radicon
An Elecon Group Company

Speed Reducers

SERIES M
Helical In-Line

SERIES C
Helical Worm

SERIES F
Shaft Mounted Helical

SERIES K
Helical Bevel

SERIES Ajr
Worm Gear

PRODUCTS IN THIS CATALOG

SERIES **K**

Right angle helical bevel
geared motors and reducers

SERIES **F**

Parallel angle helical
geared motors and reducers

SERIES **M**

In-line helical
geared motors and reducers

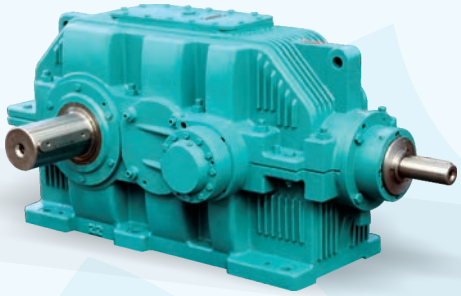
SERIES **C**

Right angle helical worm
geared motors and reducers

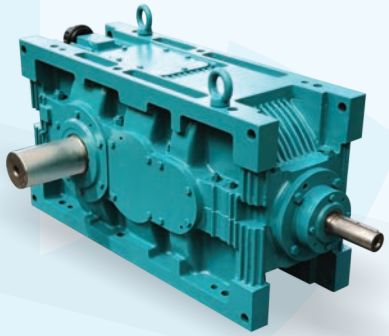
SERIES **AJ**

Worm Gear Units

OTHER PRODUCTS



EON SERIES



EOS SERIES

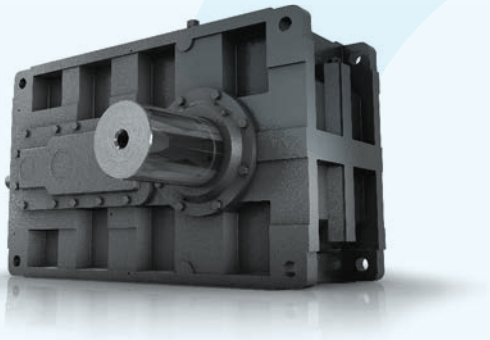
Helical/Bevel helical gear units with solid/hollow output

ET SERIES

Helical/Bevel helical modular gear units with solid/hollow output shaft

ET SERIES

Spiral bevel helical gear box for travel drive



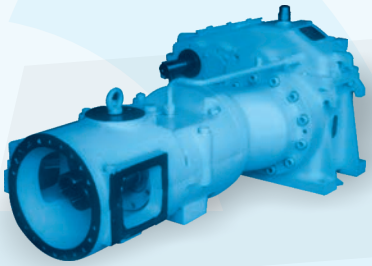
SERIES G

Industrial reducer

HEAVY DUTY PLANETARY

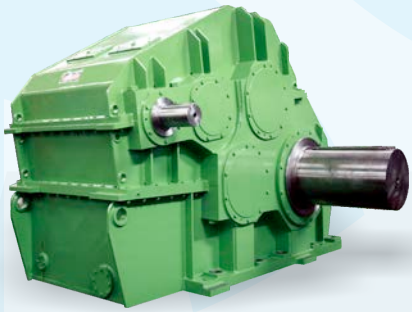
Gear box for sugar mill direct drive

OTHER PRODUCTS



EXTRUDER GEAR UNITS
(A) Single screw extruder gear units
(B) Twin series extruder gear box

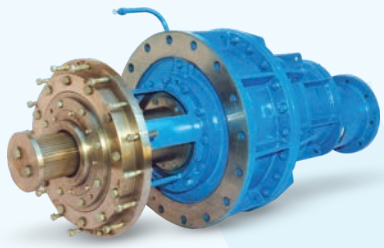
VRM (Vertical Roller Mill)
for Cement and Power



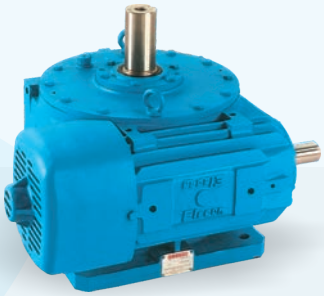
HIGH SPEED
Gear box

DUAL TANDEM
Gear unit for high output torque

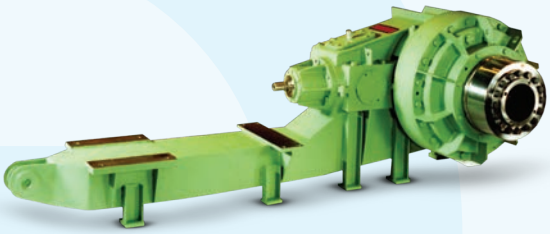
OTHER PRODUCTS



PLANETARY GEAR BOX
For slewing drive of Stacker/ Reclaimer



VERTICAL OUTPUT SHAFT
Up/down (fvm), hollow output shaft (ssm) heavy duty split housing worm gear units



PLANETARY GEAR
For bucket wheel drive of Stacker/Reclaimer with integral motor base frame

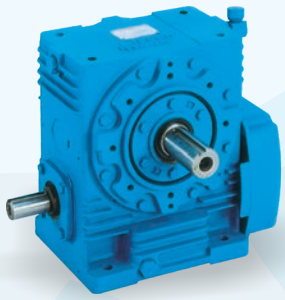
WIND MILL
Gear boxes for power generation

COOLING TOWER
Fan drive gear unit

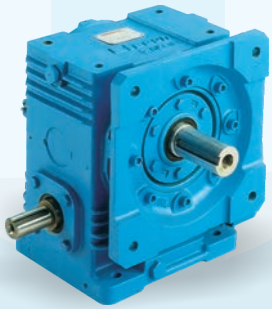
ET SERIES
Spiral bevel helical gearbox with vertically upward output shaft for cooling towers

HEAVY DUTY STIRRER UNITS

WORM GEAR PRODUCTS



UNDER DRIVEN (SNU-U)
OVER DRIVEN (SNU-O)
Mono -Block

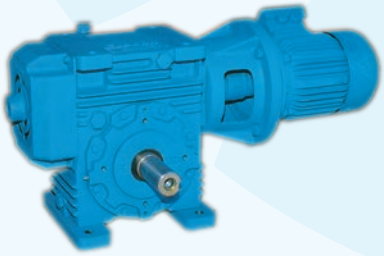


VERTICAL OUTPUT SHAFT
UP/DOWN (SNU-V)

HOLLOW OUTPUT SHAFT
(SNUSM)

DOUBLE Reduction

UNDER DRIVEN (SFU)
OVER DRIVEN (SFO)
Split case



WORM GEAR MOTOR
Electric motor mounting
with/without coupling

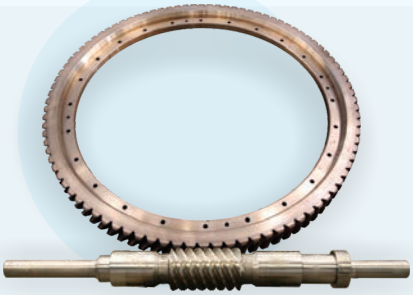
COUPLINGS

ELFLEX
Flexible coupling

ELIGN
Geared coupling

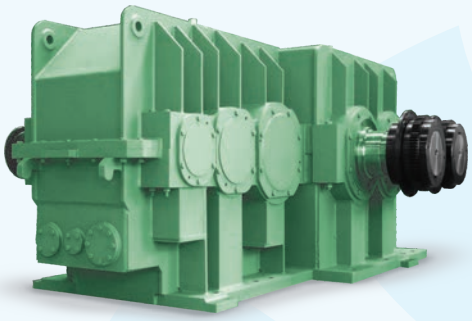
FLUID
Coupling

SCOOP CONTROLLED
Variable speed fluid coupling

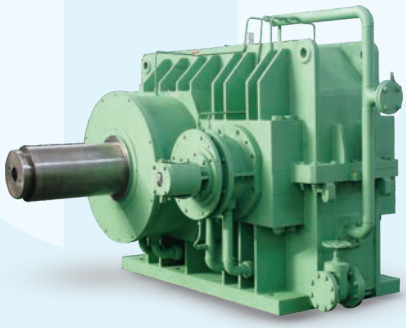


LARGE Worm pair

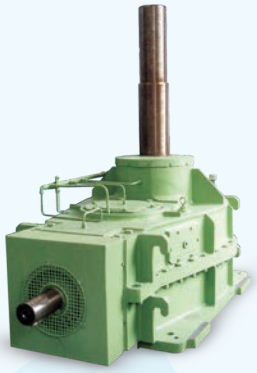
SPECIAL PRODUCTS



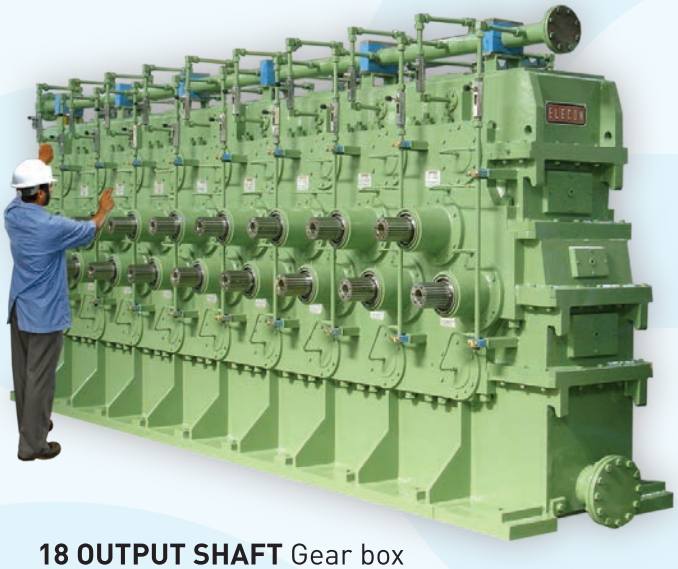
RUBBER MIXER DRIVE Gear box



HYDEL Gear box

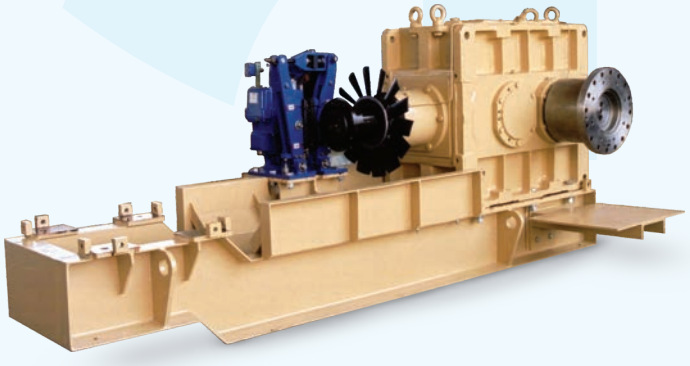


PULPER DRIVE Gear box



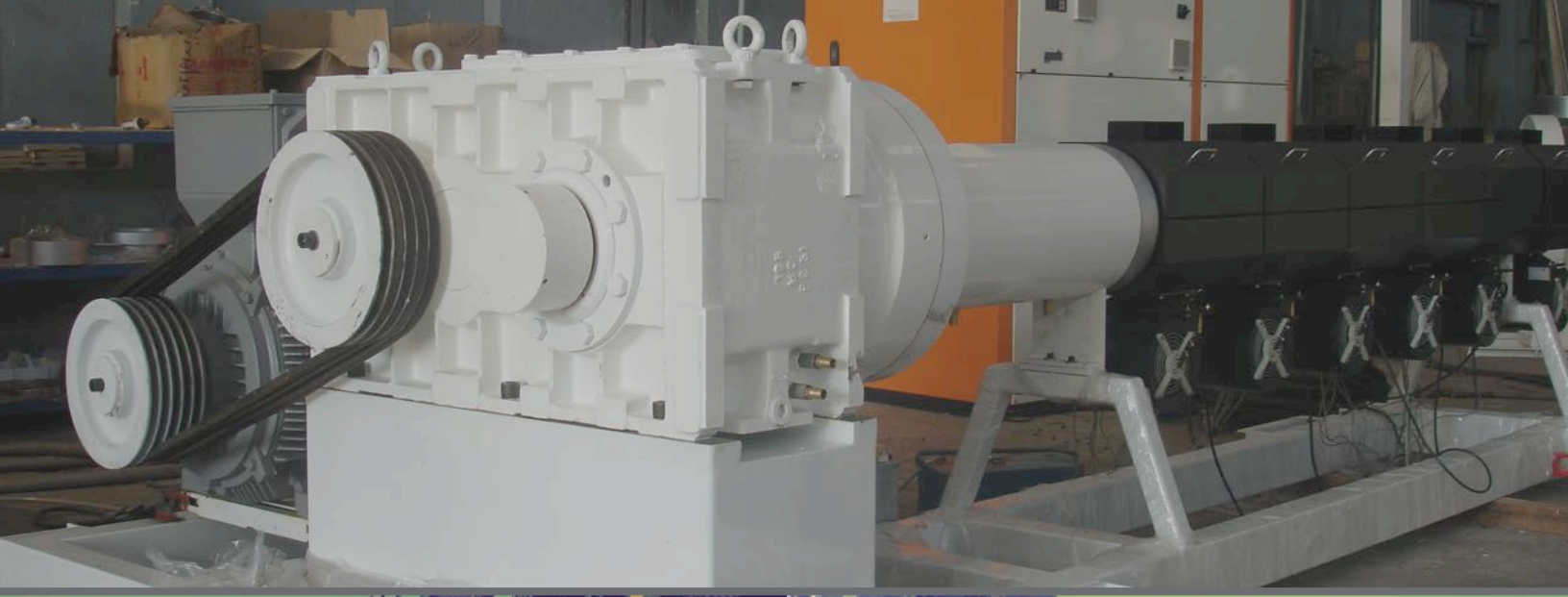
18 OUTPUT SHAFT Gear box

MARINE REDUCTION
Gear boxes

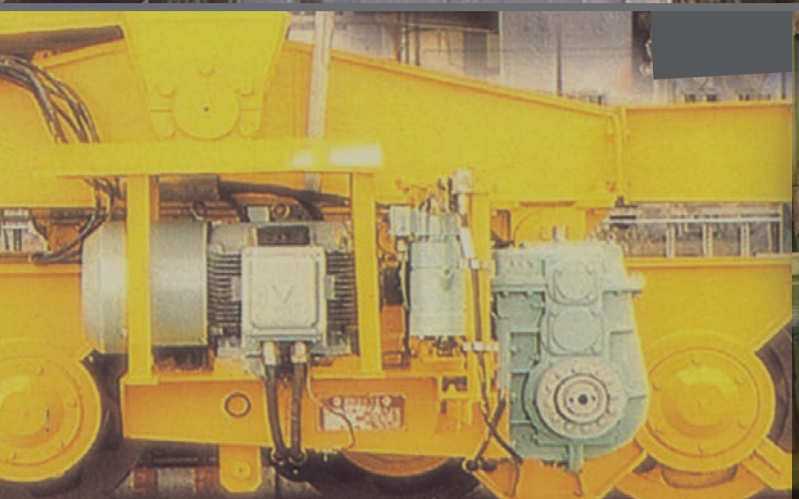


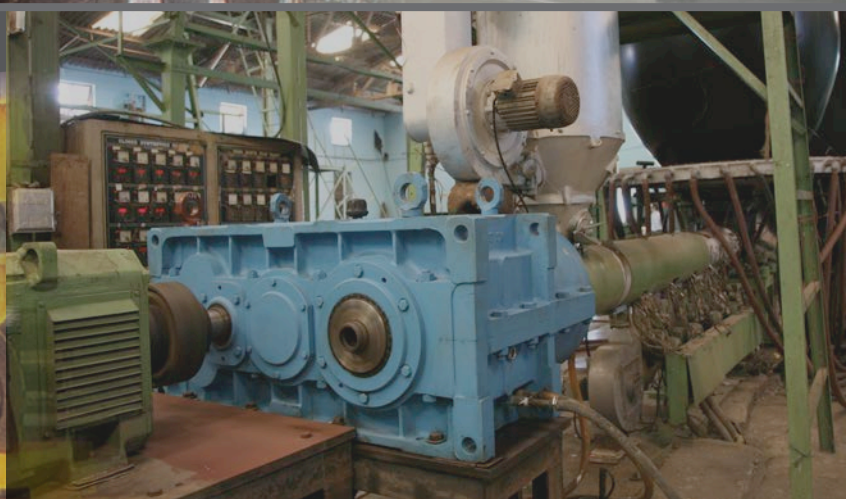
COMPLETE DRIVE System

PINION STAND Gear box

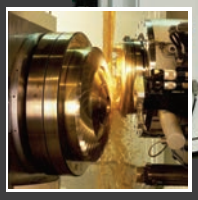


Power Transmission Solutions @ Work

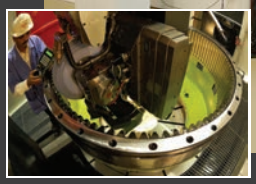




Gear Hobbing Machine
(Internal / External – 2500 mm Dia)



Spiral Bevel 'Hard Cut' Machine
(1100 mm Dia)

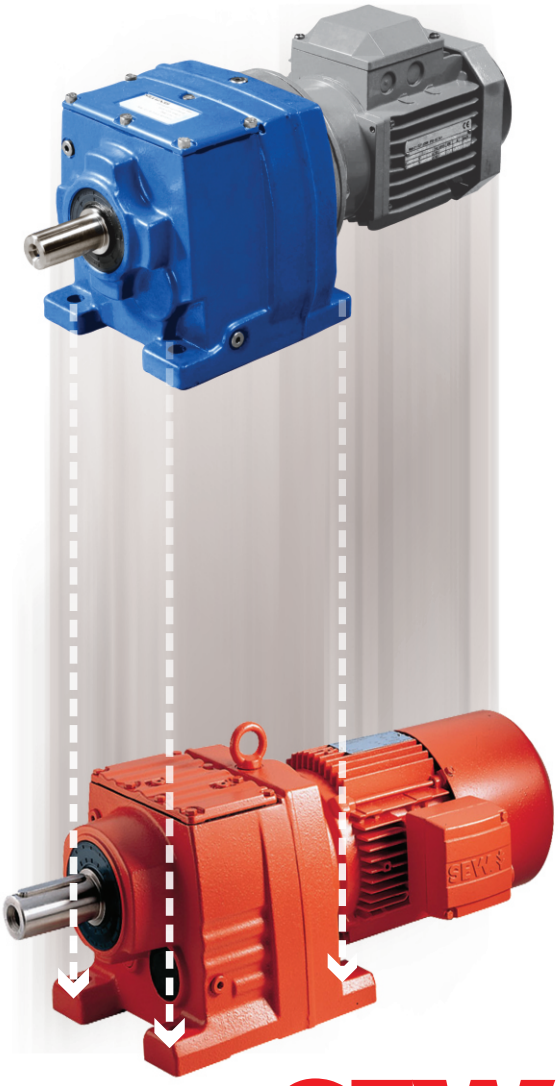


Profile Grinding Machine
(Internal / External – 3000 mm Dia)

Three Stage Planetary Gearbox Under Assembly

Drop-in Replacement

radicon



SEW EURODRIVE

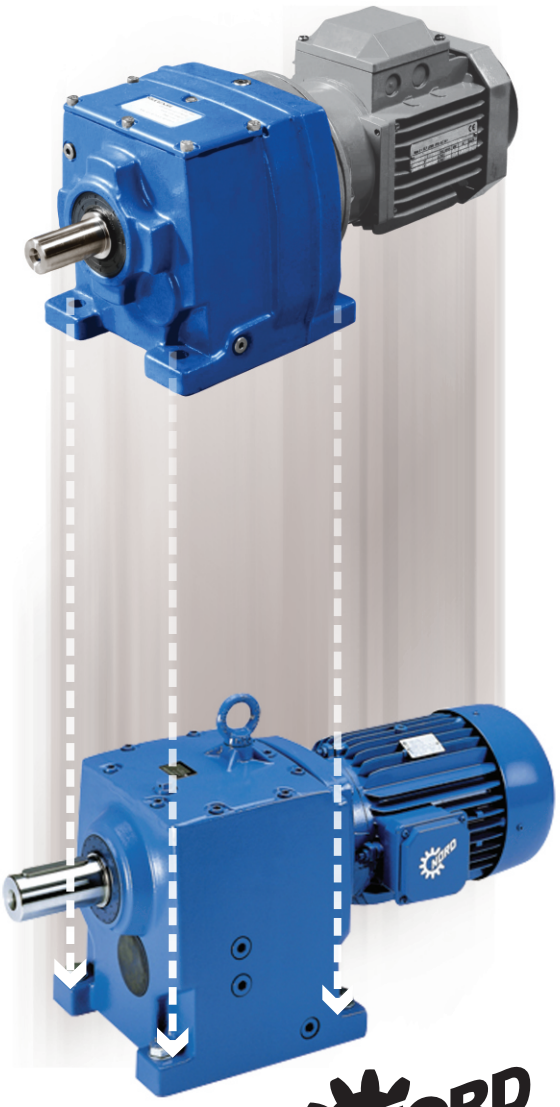
For most European-style geared motors

Perforate and use to mark your spot | Bookmark | Perforate and use to mark your spot | Bookmark | Perforate and use to mark your spot | Bookmark |

MARK YOUR SPOT!

Drop-in Replacement

radicon



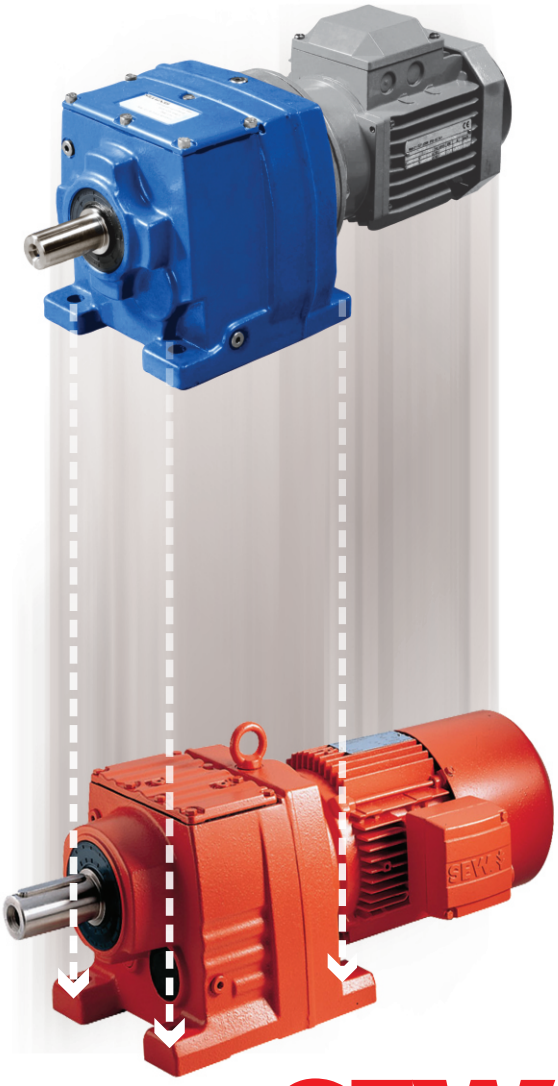
NORD DRIVESYSTEMS

For most European-style geared motors

MARK YOUR SPOT!

Drop-in Replacement

radicon



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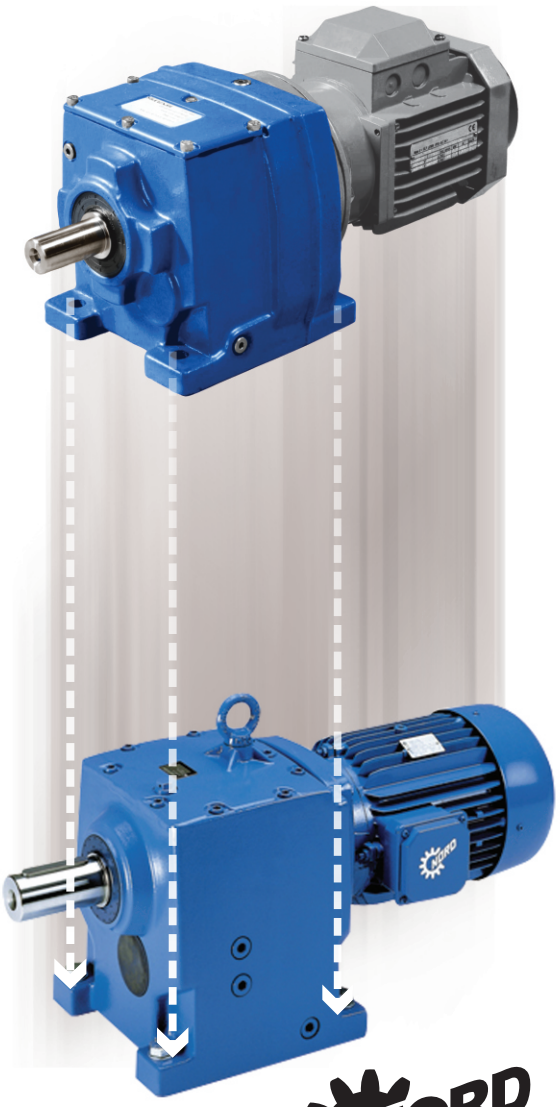
Drop-in Replacement

radicon



NORD DRIVESYSTEMS

For most European-style geared motors

radicon

An Elecon Group Company

M

Series M Helical In-Line

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REDUCER

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GENERAL DESCRIPTION

Series M inline geared motors and reducers provide a very efficient and compact drive solution to meet most requirements up to 150HP with maximum output torque capacity of 183000 lb-in.

The range takes advantage of many years of accumulated design expertise, together with the use of high quality materials and components. The end result is a series of speed reducing and geared motors offering high load carrying capacity, high efficiency, quiet running and reliability.

The Range Includes

13 sizes of unit with a ratio coverage of 3.6/1 to 56/1 in double reduction and up to 225/1 in triple reduction and 10000/1 in combined units.

Unit Versions Available

Base or Flange Mounted

Unit type M - Motorized with IEC standard motor
Unit type D - Motorized with Compact motor
Unit type N - Motorized with NEMA standard motor
Unit type G - Unit to allow fitting of a standard IEC motor
Unit type A - Unit to allow fitting of NEMA motor
Unit type R - Reducer unit
Unit type S - Reducer unit with fan kit
Unit type W - Reducer unit with backstop CCW rotation
Unit type X - Reducer unit with backstop CW rotation
Unit type Y - Reducer unit with fan and backstop CW rotation
Unit type Z - Reducer unit with fan and backstop CCW rotation

Design Features Include

Standard motor connection (IEC or NEMA).

Ability to fit double oil seal input and output as required.

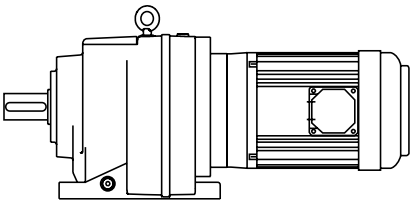
All units being suitable to fit IEC or NEMA standard motors.

All units are dimensionally interchangeable with other major manufacturers.

Brake geared motors are available.

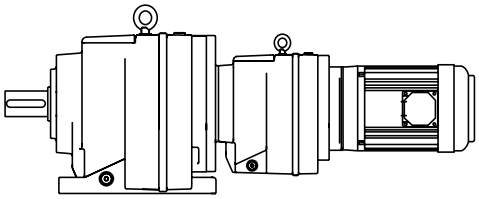
Motorized units can be fitted with a backstop module and reducer units can be fitted with a backstop and fan.

As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.



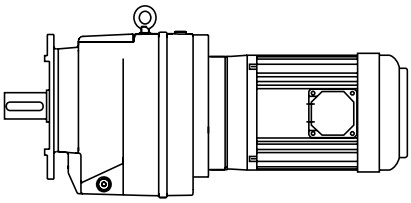
Two stage base mounted motorized

* M 0 3 2 2 8 . 0 B N N - 1 A . 7 5 B - -



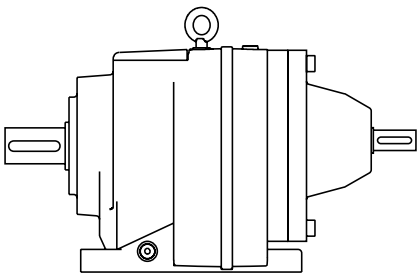
Four stage base mounted motorized

* M 0 6 4 2 2 5 0 B N N - 1 A . 2 5 B - -



Three stage flange mounted motorised

* M 0 6 3 2 1 2 5 L N N - 1 A . 7 5 B - -



Two stage base mounted reducer

* M 0 7 2 2 7 1 . B R N - 1 - - - - - - -

* Typical unit designations

UNIT DESIGNATION

M

Series	Size of Unit		No of Reductions	Revision Version	Nominal Overall Ratio			Unit Version	Type of Unit	Output Shaft	Motor Adaptor	Mounting Position		Geared Motor Power			No of Motor Poles	Additional Motor Features	Additional Gearbox Features
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
M																			
Example*	M	0	3	2	2	8	.	0	B	N	N	-	1	A	.	7	5	B	-	-

1 - Series M

Range [M]

2, 3 - Size of Unit

[0][1] Through [1][6]

4 - No of Reductions

[2] Through [5]

5 - Revision Version

[2]

6, 7, 8 - Nominal Overall Ratio

eg [8][.][0] (See Page 19-20)

9 - Unit Version

- [B] - Base Mounted
- [?] - B5 (D) Flange Mounted (See Page 7)
- [E] - B14 (C) Flange Mounting (See Page 81)
- [V] - Base and B14 (C) Flange Mounting (Special Orders Only)

10 - Type of Unit

- [M] - Motorized with IEC standard motor
- [D] - Motorized with Compact Motor
- [N] - Motorized with NEMA standard motor
- [G] - Unit to allow fitting of IEC motor (customer own motor)
- [A] - Unit to allow fitting of NEMA motor (customer own motor)
- [R] - Reducer unit
- [S] - Reducer unit with fan kit
- [W] - Reducer unit with backstop CCW rotation
- [X] - Reducer unit with backstop CW rotation
- [Y] - Reducer unit with fan and backstop CW rotation
- [Z] - Reducer unit with fan and backstop CCW rotation

20 - Additional Gearbox Features

Double Oil Seal, Motorized Backstop Etc

eg [-][F] (See Page 18)

19 - Additional Motor Features

eg [-][A] (See Page 17)

For Types Without Motor

Enter [-]

18 - No of Motor Poles

[-] No motor

		60 Hz		50 Hz
4 Pole (Std)	1800 rpm	[B]	1500 rpm	[A]
6 Pole (Std)	1200 rpm	[D]	1000 rpm	[C]
2 Pole	3600 rpm	[F]	3000 rpm	[E]
8 Pole	900 rpm	[H]	750 rpm	[G]

[S] Dual speed or special motor

15, 16, 17 - Geared Motor Powers

Motor Power Required

eg [.][7][5]

For reducer and non standard motor types enter [-][-][-]

13, 14 - Mounting Position

eg [2][B] (See Page 14)

12 - Motor Adapter For Unit Types Column 10 Entries M, N, H, E, G or A

(See Page 9 - 12)

For All Other Types Enter [-]

11 - Output Shaft (See Page 8)

- [C] - Metric
- [N] - Inch

* This Page May Be Photocopied Allowing The Customer To Enter Their Order.

EXPLANATION & USE OF RATINGS & SERVICE FACTORS

A gear unit selection is made by comparing actual loads with catalogue ratings. Catalogue ratings are based on a standard set of loading conditions, whereas actual load conditions vary according to type of application. Service Factors are therefore used to calculate an equivalent load to compare with catalogue ratings.

i.e. Equivalent Load = Actual Load x Service Factor

Mechanical Ratings and Service Factors Fm and Fs

Mechanical ratings measure capacity in terms of life and/or strength, assuming 10 hr/day continuous running under uniform load conditions.

Catalogue ratings allow 100% overload at starting, braking or momentarily during operation up to 10 hours per day. The unit selected must therefore have a catalogue rating at least equal to half maximum overload.

Mechanical Service Factor Fm (Table 1) is used to modify the actual load according to daily operating time, and type of loading.

Load characteristics for a wide range of applications are detailed in Table 3 opposite, which are used in deciding the appropriate Service Factor Fm from Table 1.

If overloads can be calculated, or accurately assessed, actual loads should be used instead of Fm.

For units subjected to frequent stop/starts overloads in excess of 10 times/day multiply factor Fm x Factor Fs (table 2).

For applications where units are to operate in extremely dusty or moist/humid atmospheres unit selection should be referred to application engineering.

Table 1. Mechanical Service Factor (Fm)

Prime Mover	Duration of Service Hours per day	Load Classification-Driven Machine		
		Uniform mass acceleration factor ≤ 0.2	**Moderate** mass acceleration factor ≤ 3	**Heavy** mass acceleration factor ≤ 10
Electric Motor, Steam Turbine or Hydraulic Motor	< 3	0.80	1.00	1.50
	3 - 10	1.00	1.25	1.75
	> 10	1.25	1.50	2.00
Multi-cylinder Internal Combustion Engine	< 3	1.00	1.25	1.75
	3 - 10	1.25	1.50	2.00
	> 10	1.50	1.75	2.25
Single-cylinder Internal Combustion Engine	< 3	1.25	1.50	2.00
	3 - 10	1.50	1.75	2.25
	> 10	1.75	2.00	2.50

Mass acceleration factor = $\frac{\text{all external moments of inertia *}}{\text{moment of inertia of driving motor}}$

* calculated with reference to the motor speed

Table 2. Number of Starts Factor (Fs)

Start / Stops per hour (1)	1	5	10	40	60	≥ 200
Factor Fs	1.00	1.03	1.06	1.10	1.15	1.20

Note: Intermediate values are obtained by linear interpolation

LOAD CLASSIFICATION BY APPLICATION

Load Classifications - **U =**Uniform Load **M =**Moderate Shock Load **H =**Heavy Shock Load **† =**Consult our Engineers

Agitators	
Pure liquids	U
Liquids and solids	M
Liquids variable density	M
Blowers	
Centrifugal	U
Lobe	M
Vane	U
Brewing & distilling	
Bottling machinery	M
Brew Kettles	M
Cookers	M
Mash tubs	M
Scale hopper	M
Can filling machinery	M
Crane knife	M
Car dumper	M
Car puller	M
Clarifier	U
Classifier	M
Clay wokring machinery	
Brick press	H
Briquette machine	H
Clay working machinery	M
Plug mill	M
Compressors	
Centrifugal	U
Lobe	M
Reciprocating	
Multi cylinder	M
Single cylinder	H
Conveyors- Light duty uniform load	
Apron	U
Assembly	U
Belt	U
Bucket	U
Chain	U
Flight	U
Oven	U
Screw	U
Conveyors - Heavy duty uniform load	
Apron	M
Assembly	M
Belt	M
Bucket	M
Chain	M
Flight	M
Live roll	†
Oven	M
Reciprocating	M
Screw	M
Shaker	M
Cranes	†
Crusher	
Ore	H
Stone	H
Sugar	H
Dredger	M
Cable reals	M
Conveyors	M
Cutter head drive	H
Pumps	M
Screen drive	H
Stackers	M
Winches	M

Elevators	
Bucket - Uniform load	U
Bucket - Heavy load	M
Bucket - Continuous	U
Centrifugal discharge	U
Escalators	U
Freight	M
Gravity discharge	U
Passenger lifts	†
Fans	
Centrifugal	U
Cooling towers	
Induced draft	†
Forced draft	†
Fan - Large diameter induced draft	M
Fan - Light, small diameter	M
Feeders	
Apron	M
Belt	M
Disc	U
Reciprocating	H
Screw	M
Food industry	
Cereal cooker	U
Dough mixer	M
Meat grinder	M
Meat slicer	M
Generators - not welding	U
Hammer mills	H
Hoists	
Heavy duty	H
Medium duty	M
Skip hoist	M
Laundry	
Tumbler	M
Washer	M
Line shafts	
Heavy duty	M
Light duty	U
Lumber industry	
Barkers	M
Burner conveyor	H
Chain/ Drag saw	H
Chain transfer	H
Chain way transfer	H
De- barking drum	H
Edger feed	M
Gang feed	M
Green chain	M
Live roll	H
Log deck	H
Log haul	H
Log turning	H
Log converyor	H
Of bearing roll	M
Planer feed chaines	M
Planer hoist	M
Re-saw conveyor	M
Roll cases	H
Slab conveyor	H
Sorting table - triple hoist	M
Triple hoist - Drive /conveyor	M
Transfer converor	M
Transfer roll	M
Tray drive	M
Trimmer feed	M
Waster conveyor	M
Small waste conveyor (belt)	U
Small waste conveyor (chain)	U

Machine Tools	
Bending roll	M
Punch press	H
Notching press	H
Plate planer	H
Other machine tools	
Main drive	M
Aux drive	U
Metal mills	
Carriage/main drive	M
Draw bench	M
Dryer	M
Flattening machinery	M
Pinch drive	M
Reversing slitters	M
Scrubber rolls	M
Table conveyors	
Group drives	H
Individual drives	H
Table conveyors- reversing	H
Wire draw	M
Wire roll	M
Mills	
Cement kiln	H
Dryer, Cooler	H
Kiln (other)	H
Rod plain	H
Rod wedge bar	H
Rotary/ Ball	H
Tumbling barrel	H
Mixers	
Concrete	M
Cons density	U
Variable density	M
Oil industry	
Chiller's	M
Oil well pump	M
Filter press	M
Rotary kiln	M
Paper industry	
Agitator (mixer)	M
Barker (hydraulic)	M
Barker (mechanical)	H
Barking drum	H
Beater & Pulper	M
Bleacher	U
Calednders	M
Calenders- super	H
Converting machine	M
Conveyors	U
Couch	M
Cutters - plates	H
Cylinders	M
Dryers	M
Felt stretcher	M
Felt whipper	H
Jordans	M
Log haul	H
Machine real	M
Presses	M
Stock chest	M
Suction roll	M
Washers & thickeners	M
Winders	M
Printing presses	†
Pullers	
Barge haul	H

Pumps	
Centrifugal proportioning	U
Proportioning	M
Reciprocating	
Single acting 3+ cylinders	M
Double acting 2+ cylinders	M
Single acting 1 & 2 cylinders	†
Double acting 1 cylinder	†
Rotary- gear type	U
Rotary- lobe type/ vane	U
Sand muller	M
Sewage treatment	
Bar screen	U
Chemical feeder	U
Collector	U
Dewatering screw	M
Mixers	M
Scum breaker	M
Thickness	M
Vacuum filters	M
Screens	
Air washing	U
Rotary, stone or gravel	M
Traveling water intake	U
Slab pushers	M
Slewing	H
Steering gear	†
Stokers	U
Sugar industry	
Can knife	M
Crusher	M
Mills	M
Textile industry	
Batchers	M
Calenders	M
Cards	M
Dry cans	M
Dryers	M
Dyeing machinery	M
Knitting machinery	M
Looms	M
Mangles	M
Nappers	M
Pads	M
Range drive	M
Slashers	M
Soapers	M
Spinners	M
Tenter frame	M
Washers	M
Winders	M
Windlass	†

SELECTION PROCEDURE FOR MOTORIZED UNITS

EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine = 0.95 HP
Output speed of gearbox or Input speed of machine = 54 rev/min
Application = Uniformly loaded belt conveyor
Duration of service (hours per day) = 24hrs
Mounting position = 1
Ambient temperature = 70°F
Running time (%) = 100%

1 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application, table 3, page 4
Application = Uniformly loaded belt conveyor

Conveyors-uniformly loaded or fed	
apron	U
assembly	U
belt	U
bucket	U
chain	U

U = Uniform load

Refer to mechanical service factor (Fm), table 1, page 3
Duration of service (hours per day) = 24hrs

Prime mover	Duration of service- hrs per day	Load classification-drive	
		Uniform	Moderate
Electric motor, steam turbine or hydraulic motor	< 3	0.80	1.00
	3 - 10	1.00	1.25
	>10	1.25	1.50

Therefore mechanical service factor (Fm) = 1.25
If the unit is subject to frequent start/stops Fm must be multiplied by factor Fs (see table 2 page 3)

2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUT SHAFT

$$\frac{\text{Absorbed}}{\text{output torque}} = \frac{\text{Absorbed power x 63025}}{\text{Gearbox output speed}}$$

$$\frac{0.95 \times 63025}{54} = 1109 \text{ lb.in}$$

3 SELECT GEARED MOTOR

Refer to selection table one motor size larger than absorbed power.
Absorbed power = 0.95 HP therefore refer to 1.0 HP selection table.

Always select from 4 POLE selection table in the first instance as this offers a more economical solution.

Required output speed of gearbox = 54 rev/min - Choose the nearest speed = 55 rev/ min

1.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	UNIT DESIGNATION	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
157	11.15	394	3.18	767	M0222 11. _N_-__1.0B--	59	143TC
141	12.37	437	2.91	776	M0222 12. _N_-__1.0B--	59	143TC
125	14.05	496	2.62	812	M0222 14. _N_-__1.0B--	59	143TC
110	15.97	564	2.41	832	M0222 16. _N_-__1.0B--	59	143TC
100	17.58	620	2.21	873	M0222 18. _N_-__1.0B--	59	143TC
87	20.23	714	1.97	900	M0222 20. _N_-__1.0B--	59	143TC
80	21.99	776	1.82	900	M0222 22. _N_-__1.0B--	59	143TC
66	26.40	932	1.51	900	M0222 28. _N_-__1.0B--	59	143TC
55	31.68	1118	1.26	900	M0222 32. _N_-__1.0B--	59	143TC
49	35.69	1260	1.12	900	M0222 36. _N_-__1.0B--	59	143TC

4 CHECK OUTPUT TORQUE

Output torque (M2) of selected unit must be equal or more than required output torque at gearbox output shaft.

Required output torque at gearbox output shaft = 1109 lb.in

1.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	UNIT DESIGNATION	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
157	11.15	394	3.18	767	M0222 11. _N_-__1.0B--	59	143TC
141	12.37	437	2.91	776	M0222 12. _N_-__1.0B--	59	143TC
125	14.05	496	2.62	812	M0222 14. _N_-__1.0B--	59	143TC
110	15.97	564	2.41	832	M0222 16. _N_-__1.0B--	59	143TC
100	17.58	620	2.21	873	M0222 18. _N_-__1.0B--	59	143TC
87	20.23	714	1.97	900	M0222 20. _N_-__1.0B--	59	143TC
80	21.99	776	1.82	900	M0222 22. _N_-__1.0B--	59	143TC
66	26.40	932	1.51	900	M0222 28. _N_-__1.0B--	59	143TC
55	31.68	1118	1.26	900	M0222 32. _N_-__1.0B--	59	143TC
49	35.69	1260	1.12	900	M0222 36. _N_-__1.0B--	59	143TC

Go to point 5

M

5 CHECK SERVICE FACTOR

Service factor (Fm) of selected unit must be equal or more than required service factor.

Required service factor of gearbox = 1.25

1.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	UNIT DESIGNATION	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
157	11.15	394	3.18	767	M0222 11. _N_-__1.0B--	59	143TC
141	12.37	437	2.91	776	M0222 12. _N_-__1.0B--	59	143TC
125	14.05	496	2.62	812	M0222 14. _N_-__1.0B--	59	143TC
110	15.97	564	2.41	832	M0222 16. _N_-__1.0B--	59	143TC
100	17.58	620	2.21	873	M0222 18. _N_-__1.0B--	59	143TC
87	20.23	714	1.97	900	M0222 20. _N_-__1.0B--	59	143TC
80	21.99	776	1.82	900	M0222 22. _N_-__1.0B--	59	143TC
66	26.40	932	1.51	900	M0222 28. _N_-__1.0B--	59	143TC
55	31.68	1118	1.26	900	M0222 32. _N_-__1.0B--	59	143TC
49	35.69	1260	1.12	900	M0222 36. _N_-__1.0B--	59	143TC

Selected unit's service factor (Fm) = 1.26 therefore unit is acceptable.

Alternatively a M03 unit could be selected which has a greater service factor

1.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	UNIT DESIGNATION	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
141	12.37	437	3.57	552	M0322 12. _N_-__1.0B--	59	143TC
125	14.05	496	3.27	570	M0322 14. _N_-__1.0B--	59	143TC
110	15.97	564	3.05	560	M0322 16. _N_-__1.0B--	59	143TC
100	17.58	620	2.80	588	M0322 18. _N_-__1.0B--	59	143TC
87	20.23	714	2.56	599	M0322 20. _N_-__1.0B--	59	143TC
80	21.99	776	2.38	627	M0322 22. _N_-__1.0B--	59	143TC
66	26.40	932	1.99	680	M0322 28. _N_-__1.0B--	59	143TC
55	31.68	1118	1.65	680	M0322 32. _N_-__1.0B--	59	143TC
49	35.69	1260	1.47	680	M0322 36. _N_-__1.0B--	59	143TC

Selected unit's service factor (Fm) = 1.65 therefore unit is acceptable.

6 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the output shaft then refer to the Overhung Loads Procedure and compare with the allowable overhung load (lbf) of the selected unit (the overhung loads proceedure is listed in the reducer section of the catalogue)

Allowable overhung load (lbf) must be equal or more than calculated overhung load (P)

1.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	UNIT DESIGNATION	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
157	11.15	394	3.18	767	M0222 11. _N_-__1.0B--	59	143TC
141	12.37	437	2.91	776	M0222 12. _N_-__1.0B--	59	143TC
125	14.05	496	2.62	812	M0222 14. _N_-__1.0B--	59	143TC
110	15.97	564	2.41	832	M0222 16. _N_-__1.0B--	59	143TC
100	17.58	620	2.21	873	M0222 18. _N_-__1.0B--	59	143TC
87	20.23	714	1.97	900	M0222 20. _N_-__1.0B--	59	143TC
80	21.99	776	1.82	900	M0222 22. _N_-__1.0B--	59	143TC
66	26.40	932	1.51	900	M0222 28. _N_-__1.0B--	59	143TC
55	31.68	1118	1.26	900	M0222 32. _N_-__1.0B--	59	143TC
49	35.69	1260	1.12	900	M0222 36. _N_-__1.0B--	59	143TC

NOTE: If any of the following conditions occur then consult Application Engineering:-

a) inertia of the Driven Machine (Referred to motor speed) / Inertia of Gear Unit plus Motor >10

b) Ambient temperature is above 100 deg °F

M

Unit Versions Column 9 Entry

B - Base Mounted

E - Flange mount with B14 (C) Flange Mounting (See Page 81)

Flange Mounted

Letter Entry Depends on Flange Diameter See tables below

Flange Diameter	Column 9 Entry
120 mm (4.72”)	H
140 mm (5.51”)	J
160 mm (6.30”)	K
200 mm (7.87”)	L
250 mm (9.84”)	N

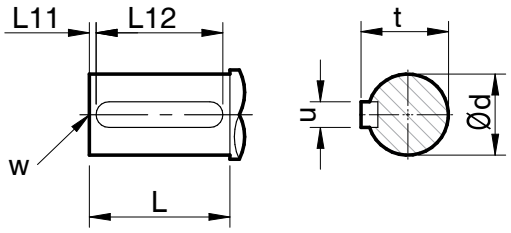
Flange Diameter	Column 9 Entry
300 mm (11.81”)	P
350 mm (13.78”)	R
450 mm (17.72”)	S
550 mm (21.65”)	T
660 mm (25.98”)	U

Size				Flange Diameter		Column 9 Entry
Double	Triple	Quadruple	Quintuple			
M0122	M0132	-	-	120 mm	4.72”	H
				140 mm	5.51”	J
				160 mm	6.30”	K
				200 mm	7.87”	L
M0222	M0232	-	-	120 mm	4.72”	H
				140 mm	5.51”	J
				160 mm	6.30”	K
				200 mm	7.87”	L
M0322	M0332	M0342	M0352	120 mm	4.72”	H
				140 mm	5.51”	J
				160 mm	6.30”	K
				200 mm	7.87”	L
M0422	M0432	M0442	M0452	140 mm	5.51”	J
				160 mm	6.30”	K
				200 mm	7.87”	L
				250 mm	9.84”	N
M0522	M0532	M0542	M0552	140 mm	5.51”	J
				160 mm	6.30”	K
				200 mm	7.87”	L
				250 mm	9.84”	N
M0622	M0632	M0642	M0652	200 mm	7.87”	L
				250 mm	9.84”	N
				300 mm	11.81”	P
M0722	M0732	M0742	M0752	200 mm	7.87”	L
				250 mm	9.84”	N
				300 mm	11.81”	P
M0822	M0832	M0842	M0852	300 mm	11.81”	P
				350 mm	13.78”	R
M0922	M0932	M0942	M0952	350 mm	13.78”	R
				450 mm	17.72”	S
M1022	M1032	M1042	M1052	350 mm	13.78”	R
				450 mm	17.72”	S
M1322	M1322	M1342	M1352	450 mm	17.72”	S
				550 mm	21.65”	T
M1422	M1422	M1342	M1452	450 mm	17.72”	S
				550 mm	21.65”	T
M1622	M1632	M1642	M1652	550 mm	21.65”	T
				660 mm	25.98”	U

OUTPUT SHAFT OPTIONS

Output Shaft Options

* Inch shaft has an open ended keyway, therefore no 'L11' dimension is required.



Column 11 Entry

C Metric

N Inch

Outputshaft options - double, triple, quadruple and quintuple reduction

Size	Output shaft	Column 11 entry	Dimensions in mm (inch shaft in inches)						
			ød	L	L11	L12	t	u	w
M**01**	Metric	C	20.015 / 20.002	40	4	32	22.5	6	M6 x 16
	Inch *	N	0.7500"/0.7495"	1.575"	-	1.38"	0.829"	0.19"	0.25" UNF x 0.63"
M**02**	Metric	C	25.015 / 25.002	50	4	40	28	8	M10 x 22
	Inch	N	1.0000"/0.9995"	1.969"	-	1.68"	1.106"	0.25"	0.25" UNF x 0.71"
M**03**	Metric	C	25.015 / 25.002	50	4	40	28	8	M10 x 22
	Inch *	N	1.0000"/0.9995"	1.969"	-	1.68"	1.106"	0.25"	0.25" UNF x 0.71"
M**04**	Metric	C	30.015 / 30.002	60	4	50	33	8	M10 x 22
	Inch *	N	1.2500"/1.2495"	2.362"	-	2.12"	1.359"	0.25"	0.375" UNF x 0.86"
M**05**	Metric	C	35.018 / 35.002	70	7	60	38	10	M12 x 28
	Inch *	N	1.3750"/1.3745"	2.756"	-	2.53"	1.507"	0.31"	0.375" UNF x 0.75"
M**06**	Metric	C	35.018 / 35.002	70	7	60	38	10	M12 x 28
	Inch *	N	1.3750"/1.3745"	2.756"	-	2.53"	1.507"	0.31"	0.375" UNF x 0.75"
M**07**	Metric	C	40.018 / 40.002	80	5	70	43	12	M16 x 36
	Inch *	N	1.6250"/1.6240"	3.150"	-	2.53"	1.784"	0.38"	0.625" UNF x 1.25"
M08	Metric	C	50.018 / 50.002	100	10	80	53.5	14	M16 x 36
	Inch *	N	2.1250"/2.1240"	3.937"	-	3.00"	2.338"	0.5"	0.75" UNF x 1.50"
M**09**	Metric	C	60.030 / 60.011	120	5	100	64	18	M20 x 42
	Inch *	N	2.3750" / 2.3740"	4.72"	-	4.00"	2.65"	0.625"	0.75" UNF 1.65"
M**10**	Metric	C	70.030 / 70.011	140	7	110	74.5	20	M20 x 42
	Inch *	N	2.875" / 2.874"	5.51"	-	5.00"	3.20"	0.75"	0.75" UNF 1.65"
M**13**	Metric	C	90.035 / 90.013	170	5	140	95	25	M24 x 50
	Inch *	N	3.625" / 3.624"	6.69"	-	6.30"	4.01"	0.875"	1.0" UNF 1.97"
M**14**	Metric	C	110.035 / 110.013	210	10	180	116	28	M24 x 3.0, 50
	Inch *	N	4.000" / 3.999"	8.27"	-	8.00"	4.44"	1.00"	1.0" UNF 1.97"
M**16**	Metric	C	120.035 / 120.13	210	5	200	127	32	M24 x 50
	Inch *	N	5.000" / 4.999"	8.27"	-	8.00"	5.50"	1.25"	1.0" UNF x 1.97"

M

Double Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822		M0922		M1022		M1322			M1422			M1622		
	3.6 - 9.0	*11. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 11.*	*12. - 56.*	*3.6 - 11.*	*12. - 56.*	*5.0 - 12.*	*14. - 63.*	*3.6 - 9.0*	*11. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 36.*	*40. - 56.*	*3.6 - 14.*	*16. - 36.*	*40. - 56.*	*5.0 - 8.0*	*9.0 - 12.*	*14. - 45.*
56C	T	U	T	U	T	U	-	*Q*	-	*Q*	-	*Q*	-	*Q*	-	M	-	-	-	-	-	-	-	-	-	-	-	-	-
143/145TC	V	W	V	W	V	W	-	R	-	R	-	R	-	R	-	N	-	-	-	-	-	-	-	-	-	-	-	-	-
182/184TC	X	-	X	-	X	-	S	T	S	T	S	T	S	T	J	P	-	S	-	P	-	N	A	-	W	X	-	-	-
213/215TC	-	-	-	-	-	-	U	-	U	-	U	-	U	V	K	Q	-	T	-	Q	-	P	B	-	N	A	-	-	-
254/256TC	-	-	-	-	-	-	-	-	-	-	-	-	W	-	L	U	P	U	L	R	F	Q	C	E	P	B	-	-	-
284/286TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Q	V	M	S	G	R	D	F	Q	C	-	-	Q
324/326TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	W	N	T	H	S	E	G	R	D	-	-	R
364/365TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	J	T	-	H	S	-	-	-	S
404/405TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	K	U	-	J	T	-	-	T	U
444/445TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	W	X

Standard Motor IEC B5- Column 12 entry

Motor	M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822		M0922		M1022		M1322			M1422			M1622		
	3.6 - 9.0	*11. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 11.*	*12. - 56.*	*3.6 - 11.*	*12. - 56.*	*5.0 - 12.*	*14. - 63.*	*3.6 - 9.0*	*11. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 36.*	*40. - 56.*	*3.6 - 14.*	*16. - 36.*	*40. - 56.*	*3.6 - 8.0*	*9.0 - 12.*	*14. - 45.*
63	F	F	-	F	-	F	-	V	-	V	-	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	G	G	-	G	-	G	-	D	-	D	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	A	J	A	J	A	J	W	F	W	F	W	F	-	F	-	D	-	E	-	-	-	-	-	-	-	-	-	-	-
90	C	Q	C	Q	C	Q	Y	H	Y	H	Y	H	-	H	-	E	-	F	-	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	A	K	A	K	A	K	A	K	A	F	-	G	-	E	-	G	N	-	S	W	-	-	-
112	-	-	-	-	-	-	A	K	A	K	A	K	A	K	A	F	-	G	-	E	-	G	N	-	S	W	-	-	-
132	-	-	-	-	-	-	N	P	N	P	N	P	C	M	B	G	-	H	-	F	-	H	P	-	T	X	-	-	-
160	-	-	-	-	-	-	-	-	-	-	-	-	E	P	C	H	A	J	A	G	A	J	Q	A	G	N	-	-	-
180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	K	B	H	B	K	R	B	H	P	-	-	A
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	L	C	J	C	L	S	C	J	Q	-	-	B
225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	M	D	K	D	M	T	D	K	R	-	-	C
250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	U	-	E	L	-	-	D	E
280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	W	-	F	M	-	-	F	G
315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	J	K

Standard Motor IEC B14- Column 12 entry

Motor	M0122		M0222		M0322		M0422		M0522		M0622		M0722	
	3.6 - 9.0	*11. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 11.*	*12. - 56.*	*3.6 - 11.*	*12. - 56.*	*5.0 - 12.*	*14. - 63.*	*3.6 - 9.0*	*11. - 56.*
71	H	H	-	H	-	H	-	-	-	-	-	-	-	-
80	B	K	B	K	B	K	-	G	-	G	-	G	-	G
90	D	R	D	R	D	R	Z	J	Z	J	Z	J	-	J
100	E	S	E	S	E	S	B	L	B	L	B	L	B	L
112	E	S	E	S	E	S	B	L	B	L	B	L	B	L
132	-	-	-	-	-	-	-	-	-	-	-	-	D	N

Compact Motor 4 Pole - Column 12 Entry - D

Power	M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822	
	3.6 - 9.0	*11. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 14.*	*16. - 56.*	*3.6 - 11.*	*12. - 56.*	*3.6 - 11.*	*12. - 56.*	*5.0 - 12.*	*14. - 63.*	*3.6 - 9.0*	*11. - 56.*	*3.6 - 14.*	*16. - 56.*
0.33 HP	•	•	-	•	-	•	-	-	-	-	-	-	-	-	-	-
0.50 HP	•	•	-	•	-	•	-	-	-	-	-	-	-	-	-	-
0.75 HP	•	•	•	•	•	•	-	•	-	•	-	•	-	-	-	-
1.00 HP	•	•	•	•	•	•	-	•	-	•	-	•	-	-	-	-
1.50 HP	•	-	•	-	•	-	•	•	•	•	•	•	-	•	-	-
2.00 HP	•	-	•	-	•	-	•	•	•	•	•	•	-	•	-	-
3.00 HP	-	-	-	-	-	-	•	•	•	•	•	•	-	•	-	•
4.00 HP	-	-	-	-	-	-	•	•	•	•	•	•	-	•	-	•
5.50 HP	-	-	-	-	-	-	•	-	•	-	•	-	-	•	-	•
7.50 HP	-	-	-	-	-	-	•	-	•	-	•	-	-	•	-	•
10.0 HP	-	-	-	-	-	-	-	-	-	-	-	-	-	•	-	•

Triple Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	M0132	M0232	M0332	M0432	M0532	M0632	M0732	M0832	M0932	M1032	M1332		M1432		M1632	
	56. - 200	*56. - 200*	*56. - 200*	*56. - 200*	*56. - 200*	*63. - 225*	*56. - 200*	*56. - 200*	*56. - 200*	*56. - 200*	*45. - 50.*	*56. - 200*	*45. - 50.*	*56. - 200*	*40. - 125*	*160 - 200*
56C	U	U	U	U	U	U	Q	Q	M	-	-	-	-	-	-	-
143/145TC	W	W	W	W	W	W	R	R	N	-	-	-	-	-	-	-
182/184TC	-	-	-	-	-	-	T	T	P	S	-	P	-	P	W	X
213/215TC	-	-	-	-	-	-	-	V	Q	T	-	Q	-	Q	N	A
254/256TC	-	-	-	-	-	-	-	-	U	U	L	R	L	R	P	B
284/286TC	-	-	-	-	-	-	-	-	-	V	M	S	M	S	Q	C
324/326TC	-	-	-	-	-	-	-	-	-	W	N	T	N	T	R	D
364/365TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S	-
404/405TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	-

Standard Motor IEC B5- Column 12 entry

Motor	M0132	M0232	M0332	M0432	M0532	M0632	M0732	M0832	M0932	M1032	M1332		M1432		M1632	
	56. - 200	*56. - 200*	*56. - 200*	*56. - 200*	*56. - 200*	*63. - 225*	*56. - 200*	*56. - 200*	*56. - 200*	*56. - 200*	*45. - 50.*	*56. - 200*	*45. - 50.*	*56. - 200*	*40. - 125*	*160 - 200*
63	F	F	F	F	F	F	V	-	-	-	-	-	-	-	-	-
71	G	G	G	G	G	G	D	-	-	-	-	-	-	-	-	-
80	J	J	J	J	J	J	F	F	D	E	-	-	-	-	-	-
90	Q	Q	Q	Q	Q	Q	H	H	E	F	-	-	-	-	-	-
100	-	-	-	-	-	-	K	K	F	G	-	E	-	E	S	W
112	-	-	-	-	-	-	K	K	F	G	-	E	-	E	S	W
132	-	-	-	-	-	-	P	M	G	H	-	F	-	F	T	X
160	-	-	-	-	-	-	-	P	H	J	A	G	A	G	G	N
180	-	-	-	-	-	-	-	-	-	K	B	H	B	H	H	P
200	-	-	-	-	-	-	-	-	-	L	C	J	C	J	J	Q
225	-	-	-	-	-	-	-	-	-	M	D	K	D	K	K	R
250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	L	-
280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	-

Standard Motor IEC B14- Column 12 entry

Motor	M0132	M0232	M0332	M0432	M0532	M0632	M0732	M0832
	56. - 200	*56. - 200*	*56. - 200*	*56. - 200*	*56. - 200*	*63. - 225*	*56. - 200*	*56. - 200*
71	H	H	H	H	H	H	-	-
80	K	K	K	K	K	K	G	G
90	R	R	R	R	R	R	J	J
100	S	S	S	S	S	S	L	L
112	S	S	S	S	S	S	L	L
132	-	-	-	-	-	-	-	N

Compact Motor 4 Pole - Column 12 Entry - D

Power	M0132	M0232	M0332	M0432	M0532	M0632	M0732	M0832	M0932
	56. - 200	*56. - 200*	*56. - 200*	*56. - 200*	*56. - 200*	*63. - 225*	*56. - 200*	*56. - 200*	*56. - 200*
0.33 HP	•	•	•	•	•	•	-	-	-
0.50 HP	•	•	•	•	•	•	-	-	-
0.75 HP	•	•	•	•	•	•	•	-	-
1.00 HP	•	•	•	•	•	•	•	-	-
1.50 HP	-	-	-	-	-	-	•	•	-
2.00 HP	-	-	-	-	-	-	•	•	-
3.00 HP	-	-	-	-	-	-	•	•	•
4.00 HP	-	-	-	-	-	-	•	•	•
5.50 HP	-	-	-	-	-	-	-	•	•
7.50 HP	-	-	-	-	-	-	-	•	•
10.0 HP	-	-	-	-	-	-	-	•	•

M

Quadruple Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442	M1642
	All Ratios	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*
56C	U	U	U	U	U	Q	Q	Q	Q	Q	-
143/145TC	W	W	W	W	W	R	R	R	R	R	-
182/184TC	-	-	-	-	-	T	T	T	T	T	S
213/215TC	-	-	-	-	-	-	-	V	V	V	T
254/256TC	-	-	-	-	-	-	-	-	-	-	U
284/286TC	-	-	-	-	-	-	-	-	-	-	V

Standard Motor IEC B5- Column 12 entry

Motor	M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442	M1642
	All Ratios	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*
63	F	F	F	F	F	V	V	-	-	-	-
71	G	G	G	G	G	D	D	-	-	-	-
80	J	J	J	J	J	F	F	F	F	F	E
90	Q	Q	Q	Q	Q	H	H	H	H	H	F
100	-	-	-	-	-	K	K	K	K	K	G
112	-	-	-	-	-	K	K	K	K	K	G
132	-	-	-	-	-	P	P	M	M	M	H
160	-	-	-	-	-	-	-	P	P	P	J

Standard Motor IEC B14- Column 12 entry

Motor	M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442
	All Ratios	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*
71	H	H	H	H	H	-	-	-	-	-
80	K	K	K	K	K	G	G	G	G	G
90	R	R	R	R	R	J	J	J	J	J
100	S	S	S	S	S	L	L	L	L	L
112	S	S	S	S	S	L	L	L	L	L
132	-	-	-	-	-	-	-	N	N	N

Compact Motor 4 Pole - Column 12 Entry - D

Power	M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442
	All Ratios	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*
0.33 HP	•	•	•	•	•	-	-	-	-	-
0.50 HP	•	•	•	•	•	-	-	-	-	-
0.75 HP	•	•	•	•	•	•	•	-	-	-
1.00 HP	•	•	•	•	•	•	•	-	-	-
1.50 HP	-	-	-	-	-	•	•	•	•	•
2.00 HP	-	-	-	-	-	•	•	•	•	•
3.00 HP	-	-	-	-	-	•	•	•	•	•
4.00 HP	-	-	-	-	-	•	•	•	•	•
5.50 HP	-	-	-	-	-	-	-	•	•	•
7.50 HP	-	-	-	-	-	-	-	•	•	•
10.0 HP	-	-	-	-	-	-	-	•	•	•

Quintuple Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	M0352	M0442	M0552	M0652	M0752	M0852	M0952	M1052	M1352	M1452	M1652
	All Ratios	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*
56C	U	U	U	U	U	U	U	Q	Q	Q	M
143/145TC	W	W	W	W	W	W	W	R	R	R	N
182/184TC	-	-	-	-	-	-	-	T	T	T	P
213/215TC	-	-	-	-	-	-	-	-	-	-	Q
254/256TC	-	-	-	-	-	-	-	-	-	-	U

Standard Motor IEC B5- Column 12 entry

Motor	M0352	M0442	M0552	M0652	M0752	M0852	M0952	M1052	M1352	M1452	M1652
	All Ratios	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*
63	F	F	F	F	F	F	F	V	V	V	-
71	G	G	G	G	G	G	G	D	D	D	-
80	J	J	J	J	J	J	J	F	F	F	D
90	Q	Q	Q	Q	Q	Q	Q	H	H	H	E
100	-	-	-	-	-	-	-	K	K	K	F
112	-	-	-	-	-	-	-	K	K	K	F
132	-	-	-	-	-	-	-	P	P	P	G
160	-	-	-	-	-	-	-	-	-	-	H

Standard Motor IEC B14- Column 12 entry

Motor	M0352	M0442	M0552	M0652	M0752	M0852	M0952	M1052	M1352	M1452
	All Ratios	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*
71	H	H	H	H	H	H	H	H	-	-
80	K	K	K	K	K	K	K	K	G	G
90	R	R	R	R	R	R	R	R	J	J
100	S	S	S	S	S	S	S	S	L	L
112	S	S	S	S	S	S	S	S	L	L

Compact Motor 4 Pole - Column 12 Entry - D

Power	M0352	M0452	M0552	M0652	M0752	M0852	M0952	M1052	M1352	M1452	M1652
	All Ratios	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*	*All Ratios*
0.33 HP	•	•	•	•	•	•	•	-	-	-	-
0.50 HP	•	•	•	•	•	•	•	-	-	-	-
0.75 HP	•	•	•	•	•	•	•	•	•	•	-
1.00 HP	•	•	•	•	•	•	•	•	•	•	-
1.50 HP	-	-	-	-	-	-	-	•	•	•	-
2.00 HP	-	-	-	-	-	-	-	•	•	•	-
3.00 HP	-	-	-	-	-	-	-	•	•	•	•
4.00 HP	-	-	-	-	-	-	-	•	•	•	•

LUBRICATION

All M-Series Units, are supplied factory filled with EP mineral oil (Grade 6E) appropriate to the intended mounting position. If the unit is supplied without lubricant the unit must be filled with the correct lubricant and quantity as listed below.

Lubricant quantities are approximate fill until oil escapes from the level plug hole, fit ventilator plug (when supplied) in the appropriate position for the required mounting position (see installation and maintenance instructions).

Temperature Limitations

The standard lubricant is suitable for operation in ambient temperatures of 0° to 95°F, outside of this range consult table 1 or our application engineers.

Table 1 Oil Grades

Lubricant	Ambient temperature range		
	23°F - 68°F (E) -22°F - 68°F (H)	32°F - 95°F	68°F - 122°F
EP Mineral oil (type E)	5E (VG 220)	6E (VG 320)	7E (VG 460)
Polyalphaolefin based synthetic (type H)	5H (VG 220)	5H (VG 220)	6H (VG 320)

Table 2 Lubricant Quantity (gallons)

1 gallon (US) = 3.79 Liter

Double reduction & final stage quadruple or quintuple reduction														
Size		M0122	M0222	M0322	M0422	M0522	M0622	M0722	M0822	M0922	M1022	M1322	M1422	M1622
Mounting Position	1	0.13	0.21	0.21	0.40	0.40	0.53	0.69	1.1	2.4	3.6	4.7	6.1	13.7
	2	0.21	0.32	0.32	0.47	0.47	0.53	0.77	1.7	2.8	4.5	6.1	10.8	17.4
	3	0.16	0.18	0.18	0.42	0.42	0.50	0.71	1.4	3.0	5.0	6.3	11.6	18.5
	4	0.21	0.32	0.32	0.47	0.47	0.45	0.79	1.9	3.6	5.8	9.2	14.0	21.6
	5	0.18	0.29	0.29	0.53	0.53	0.58	0.84	1.8	4.6	7.9	10.6	14.2	24.8
	6	0.26	0.37	0.37	0.69	0.69	0.74	1.2	2.5	4.6	8.6	10.8	15.8	29.6

Size		M0132	M0232	M0332	M0432	M0532	M0632	M0732	M0832	M0932	M1032	M1332	M1432	M1632
Mounting Position	1	0.16	0.21	0.21	0.42	0.42	0.55	0.71	1.2	2.6	4.0	5.0	6.3	14.2
	2	0.24	0.34	0.34	0.50	0.50	0.55	0.79	1.7	2.9	5.0	6.6	11.3	17.9
	3	0.18	0.18	0.18	0.45	0.45	0.53	0.74	1.5	3.2	5.5	6.9	12.4	19.0
	4	0.24	0.32	0.32	0.50	0.50	0.47	0.82	2.0	3.7	6.6	9.9	14.8	25.6
	5	0.18	0.29	0.29	0.55	0.55	0.61	0.87	1.8	4.6	7.9	10.6	14.2	24.8
	6	0.29	0.42	0.42	0.71	0.71	0.77	1.3	2.6	4.7	9.2	11.6	16.6	30.3

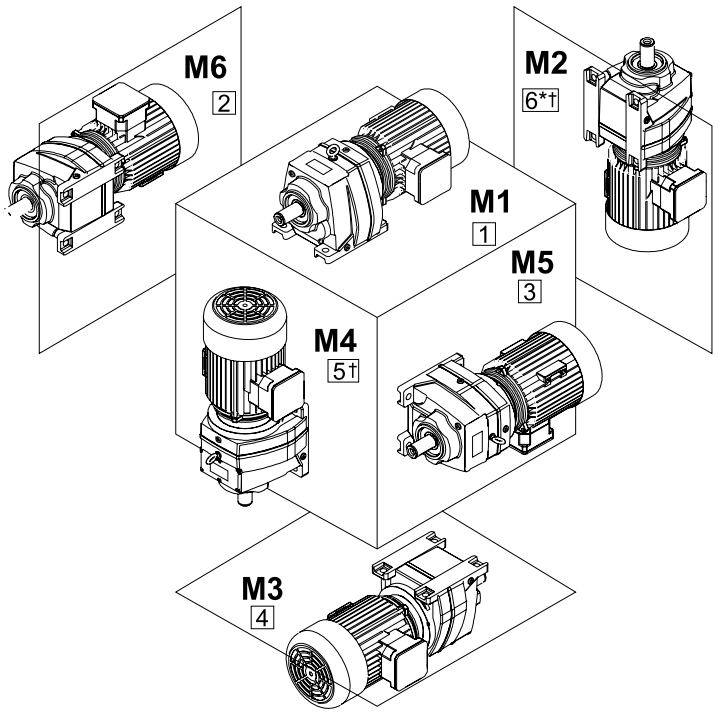
Primary stage quadruple reduction (Quantities obtained from above double and triple sizes indicated)											
Unit Size	M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442	M1642
Primary Unit Size	M0122	M0322	M0322	M0322	M0322	M0522	M0522	M0722	M0722	M0722	M0922
Secondary Unit Size	M0322	M0422	M0522	M0622	M0722	M0822	M0922	M1022	M1322	M1422	M1622

Primary stage quintuple reduction (Quantities obtained from above double and triple sizes indicated)											
Unit Size	M0352	M0452	M0552	M0652	M0752	M0852	M0952	M1052	M1352	M1452	M1652
Primary Unit Size	M0132	M0332	M0332	M0332	M0332	M0532	M0532	M0732	M0732	M0732	M0932
Secondary Unit Size	M0322	M0422	M0522	M0622	M0722	M0822	M0922	M1022	M1322	M1422	M1622

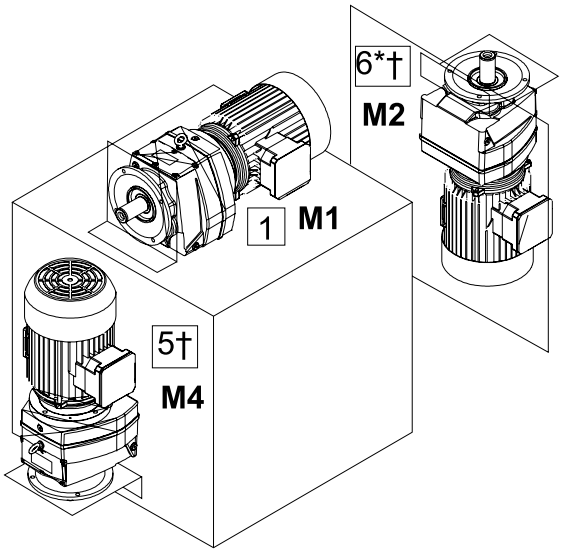
MOUNTING POSITIONS

COLUMN 13 ENTRY

Base Mounted Units



Flange Mounted Units



*Mounting Position 6 is not recommended for Geared Motors - Consult Application Engineering
† Gear Units selected for use in mounting positions 5 and 6 should only be used with overall ratios greater or equal to those shown in the table below

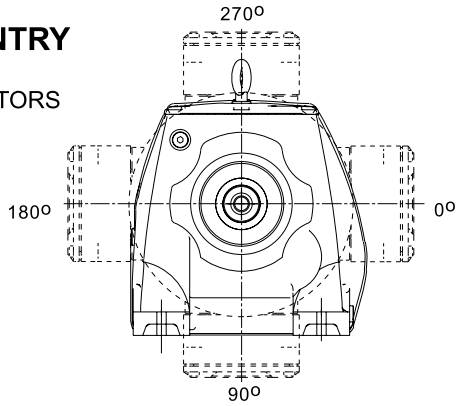
Unit Size	Input Speed (rpm)			
	< 1000	< 1500	< 1800	> 1800
M01 - M08	3.6	3.6	3.6	Consult Application Engineering
M09	2.0	4.0	4.5	
M10	4.0	8.0	9.0	
M13	6.3	11.0	14.0	
M14, M16	12.0	18.0	22.0	

Base Mounting Position		Flange Mounting Position	
New Position	Previous Base Mount	New Position	Previous Flange Mount
M1	B3	M1	B5
M2	V6	M2	V3
M3	B8	-	-
M4	V5	M4	V1
M5	B6	-	-
M6	B7	-	-

MOUNTING POSITIONS - SHOWN AS MOTORISED - APPLIES ALSO FOR REDUCERS

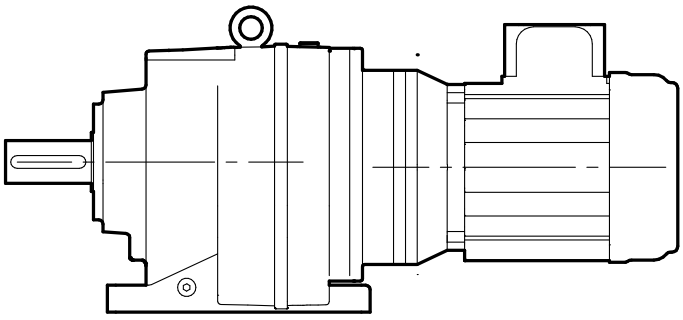
COLUMN 14 ENTRY

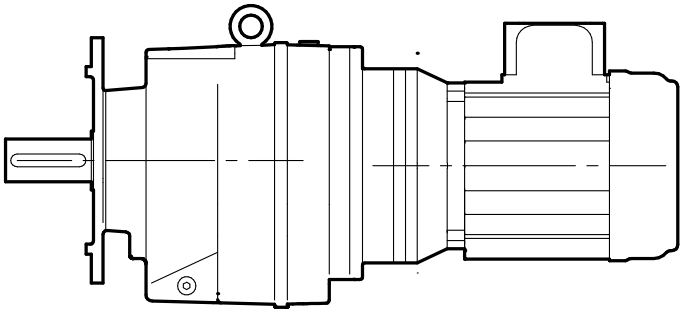
ALL MOTORS



Column 14 Entry	Terminal Box Position
A	0°
B	90°
C	180°
D	270°
-	Reducer or no motor fitted

M



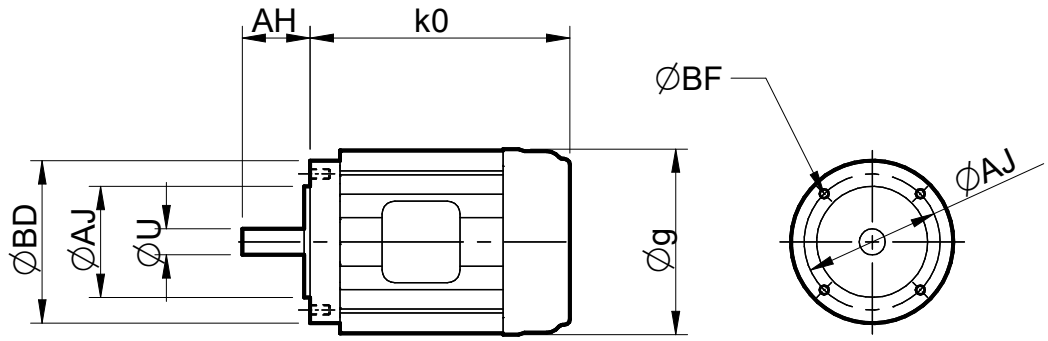


MOTORIZED

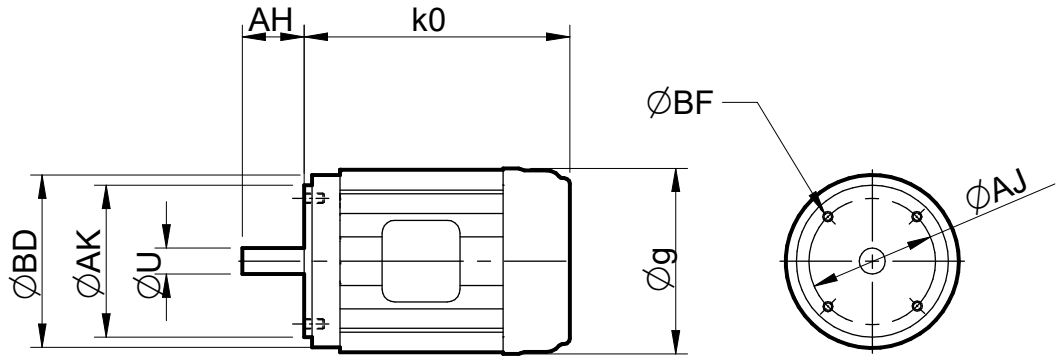
SERIES M

NEMA MOTOR DETAILS

NEMA Standard Motors



MOTOR FRAME SIZE	Ø BD	Ø AJ	Ø AK	Ø U	AH	ko max	Ø g	BF TAP UNC
56C	6.50	5.875	4.5	0.625	2.062	12.00	6.13	3/8 - 16
143TC/145TC	6.50	5.875	4.5	0.875	2.125	12.00	7.19	3/8 - 16



MOTOR FRAME SIZE	Ø BD	Ø AJ	Ø AK	Ø U	AH	ko * max	Øg	BF TAP UNC
182TC/184TC	9.00	7.25	8.5	1.125	2.625	15.50	8.50	1/2 - 13
213TC/215TC	9.00	7.25	8.5	1.375	3.125	16.50	10.19	1/2 - 13
254TC/256TC	10.00	7.25	8.5	1.625	3.75	20.00	12.50	1/2 - 13
284TC/286TC	11.25	9.00	10.5	1.875	4.375	23.25	15.56	1/2 - 13
324TC/326TC	13.875	11.00	12.5	2.125	5.00	25.25	16.94	5/8 - 11
364TC/365TC	13.875	11.00	12.5	2.375	5.625	27.00	19.00	5/8 - 11
404TC/405TC	13.875	11.00	12.5	2.875	7.00	30.00	20.63	5/8 - 11
444TC/445TC	16.75	14.00	16.0	3.375	8.25	38.00	22.38	5/8 - 11

* Motor lengths for own brand standard motors. These lengths may vary if alternative motor is fitted.

M

Additional Motor Features - Column 19 Entry

Column 19 entry	Brake Motor	Hand Release on brake	Forced ventilation/ Constant blower (TECB)	Thermistors	Special
-					
A	•				
B	•	•			
C			•		
D	•		•		
E	•	•	•		
F				•	
G	•			•	
H	•	•		•	
K			•	•	
L	•		•	•	
M	•	•	•	•	
S					•

Please refer to Application Engineering for details of the following additional motor features

- PGF encoder flange
- Wash down
- Customised brake torque
- Separate brake supply
- Aluminium fan
- Anti condensation heater
- Bi-metal temperature detectors, thermostat
- EExEIIT3
- Ex nA II T3
- IP56
- IP65
- Metal fan cover
- Rain cowl
- Separate terminal box

M

Additional Gearbox Features - Column 20 Entry

Column 20 entry	Double output shaft oil seals*	Oil Level Glass * * M07- M16	Motorised Backstop ***		Special
			CW Rotation	CCW Rotation	
-					
A	•				
B		•			
C	•	•			
D			•		
E	•		•		
F		•	•		
G	•	•	•		
H				•	
I	•			•	
J		•		•	
K	•	•		•	
L					•

Please refer to Application Engineering for details of the following additional gearbox features

- Prime paint only
- Wash down
- BISSC compatible
- Special oil (food compatible, bio-degradable, different viscosities etc)

* Double Oil Seals for output shafts sizes M08 to M16 only

** Oil level glass is NOT AVAILABLE for M01 to M06 units

*** IEC frame sizes 100 - 200 and NEMA frame sizes 182TC - 326TC

Exact Ratios - Double Reduction

Column Entry 6 7 8	M0122	M0222	M0322	M0422	M0522	M0622	M0722	M0822	M0922	M1022	M1322	M1422	M1622
3.6	3.750	3.589	3.589	3.585	3.585	-	3.678	3.678	3.685	3.535	3.793	3.754	-
5.0	5.07	5.03	5.03	5.04	5.04	4.44	5.09	5.21	5.07	4.94	5.26	5.24	4.95
5.6	5.76	5.55	5.55	5.65	5.65	6.24	5.72	5.79	5.69	5.37	5.77	5.90	5.35
6.3	6.53	6.30	6.30	6.34	6.34	6.99	6.29	6.44	6.38	6.10	6.35	6.63	6.26
8.0	8.35	8.00	8.00	8.05	8.05	7.85	8.22	8.33	8.22	7.95	8.11	8.51	8.19
9.0	9.00	9.09	9.09	9.13	9.13	9.97	9.34	9.35	9.19	8.58	8.99	9.45	9.35
11.	11.36	11.15	11.15	10.89	10.89	11.30	11.35	11.47	11.47	11.02	11.81	11.80	11.17
12.	12.88	12.37	12.37	12.54	12.54	13.48	12.48	12.92	12.74	12.51	12.92	13.08	12.67
14.	14.71	14.05	14.05	14.58	14.58	15.52	14.34	15.04	14.53	14.16	14.63	14.86	14.01
16.	16.37	15.97	15.97	16.31	16.31	18.05	16.26	16.69	16.34	15.98	16.12	17.02	16.19
18.	18.05	17.58	17.58	17.39	17.39	20.20	17.94	18.26	18.50	17.75	18.02	18.30	17.49
20.	19.86	20.23	20.23	20.61	20.61	21.53	20.54	20.66	20.59	19.41	20.86	21.36	20.39
22.	23.27	21.99	21.99	22.00	22.00	25.51	23.23	23.32	22.87	21.57	23.51	23.55	23.51
28.	27.92	26.40	26.40	27.30	27.30	27.24	26.93	28.27	27.98	25.49	27.08	28.24	27.26
32.	32.54	31.68	31.68	32.19	32.19	33.80	32.12	32.97	32.31	30.76	33.25	33.89	31.41
36.	36.16	35.69	35.69	35.25	35.25	39.86	35.17	36.21	35.67	35.44	37.03	36.72	37.54
45.	43.54	41.49	41.49	43.20	43.20	43.64	42.21	44.38	43.35	41.12	43.25	42.95	45.05
50.	49.91	47.09	47.09	48.15	48.15	53.49	48.56	48.46	49.07	47.93	50.70	50.36	-
56.	56.72	53.54	53.54	54.00	54.00	59.61	53.96	55.80	55.18	51.49	53.94	56.49	-
63.	-	-	-	-	-	66.86	-	-	-	-	-	-	-

Exact Ratios - Triple Reduction

Column Entry 6 7 8	M0132	M0232	M0332	M0432	M0532	M0632	M0732	M0832	M0932	M1032	M1332	M1432	M1632
40.	-	-	-	-	-	-	-	-	-	-	-	-	41.16
45.	-	-	-	-	-	-	-	-	-	-	46.79	48.24	45.64
50.	-	-	-	-	-	-	-	-	-	-	52.97	54.61	51.82
56.	58.46	57.03	57.03	58.38	58.38	-	58.95	60.33	59.07	57.63	59.76	61.61	59.38
63.	64.45	62.87	62.87	64.29	64.29	72.28	62.83	66.02	64.64	65.24	66.40	68.46	63.82
71.	70.93	69.19	69.19	73.95	73.95	79.60	74.47	74.69	73.13	72.62	72.60	74.85	74.49
80.	83.10	81.07	81.07	80.40	80.40	91.56	79.51	84.31	82.55	80.68	80.68	83.17	82.13
100	99.70	97.26	97.26	96.52	96.52	99.54	98.66	102.2	100.1	98.68	95.34	98.30	98.51
112	116.2	113.4	113.4	115.8	115.8	119.5	116.3	119.2	116.7	114.0	115.1	118.6	118.2
125	129.1	126.0	126.0	130.5	130.5	143.4	127.4	130.9	128.2	125.8	132.6	136.7	128.1
160	155.5	151.7	151.7	151.7	151.7	161.6	156.1	160.4	157.1	152.9	153.8	158.6	149.8
180	178.2	173.9	173.9	172.2	172.2	187.8	174.0	175.2	171.6	173.1	179.3	184.8	175.6
200	202.6	197.6	197.6	195.8	195.8	213.2	195.2	201.8	197.5	194.6	192.6	198.6	197.0
225	-	-	-	-	-	242.4	-	-	-	-	-	-	-

Exact Ratios - Quadruple Reduction

Column Entry 6 7 8	M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442	M1642
225	235.0	232.8	232.8	-	229.0	228.9	231.8	220.2	224.9	228.4	228.8
250	261.4	260.5	260.5	-	259.7	259.0	258.1	254.6	258.4	262.4	264.6
280	287.8	277.6	277.6	272.9	286.5	301.2	286.7	278.4	289.2	276.9	285.8
300	317.3	305.7	305.7	313.9	315.4	337.0	300.2	309.3	323.2	337.7	323.5
360	365.0	362.3	362.3	365.1	361.2	359.2	358.0	365.6	370.1	352.5	360.1
400	401.7	416.8	416.8	396.9	415.5	425.7	397.7	398.7	418.5	405.1	400.1
450	436.7	445.0	445.0	444.1	469.8	480.5	452.9	457.2	483.0	459.3	445.4
500	511.7	483.8	483.8	533.1	510.7	513.0	503.2	500.9	546.1	506.6	504.2
650	614.2	600.3	600.3	568.2	592.1	621.9	665.8	635.7	664.2	656.0	646.7
730	736.9	720.7	720.7	681.9	710.8	771.8	736.4	728.0	729.1	754.3	718.5
860	884.3	849.8	849.8	808.1	847.8	900.0	882.1	844.7	860.0	852.9	858.7
10C	1031	1020	1020	972.2	1017	1061	1040	987.8	997.1	997.5	1015
11C	1161	1117	1117	1130	1114	1166	1139	1107	1068	1156	1120
13C	1291	1258	1258	1402	1255	1277	1257	1321	1302	1292	1338
15C	1500	1542	1542	1592	1506	1564	1528	1496	1521	1511	1504
18C	1807	1792	1792	1877	1751	1917	1873	1736	1798	1813	1842
20C	2051	1998	1998	2055	2015	2094	2087	1997	1798	1981	1953
24C	2350	2268	2268	2337	2287	2333	2341	2327	2334	2445	2486
27C	2671	2578	2578	2519	2600	2617	2650	2778	2911	2717	-

Exact Ratios - Quintuple Reduction

Column Entry 6 7 8	M0352	M0452	M0552	M0652	M0752	M0852	M0952	M1052	M1352	M1452	M1652
27C	2632	2655	2655	2649	2619	2728	2700	2748	2735	2739	2744
32C	3068	3095	3095	3088	3053	3274	3240	3247	3150	3286	3181
36C	3681	3650	3650	3832	3641	3818	3651	3578	3670	3598	3494
40C	4091	4055	4055	4258	4046	4302	4131	3979	4091	3943	3666
46C	4609	4440	4440	5021	4431	4726	4655	4515	4588	4678	4812
55C	5550	5347	5347	6046	5335	5494	5563	5533	6443	5471	5775
65C	6452	6553	6553	6620	6403	6733	6577	6420	7226	6390	6440
74C	7396	7511	7511	7588	7339	7641	7444	7483	7527	7473	7728
84C	8394	8372	8372	8624	8443	8344	8449	8340	8441	8381	8899
95C	9540	9514	9514	9300	9596	9486	9605	9353	9895	9827	-
10K	10845	10670	10670	10569	10662	10924	10801	10049	10527	11024	-

0.25 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
467	3.75	33.1	14.90	343	M0122 3.6 _N_-__.25B--	45	56C
345	5.07	44.7	12.57	343	M0122 5.0 _N_-__.25B--	45	56C
304	5.76	50.8	11.68	347	M0122 5.6 _N_-__.25B--	45	56C
268	6.53	57.6	10.82	351	M0122 6.3 _N_-__.25B--	45	56C
210	8.35	73.7	9.27	358	M0122 8.0 _N_-__.25B--	45	56C
195	9.00	79.4	8.72	355	M0122 9.0 _N_-__.25B--	45	56C
154	11.36	100	7.22	373	M0122 11. _N_-__.25B--	45	56C
136	12.88	114	6.53	393	M0122 12. _N_-__.25B--	45	56C
119	14.71	130	5.88	407	M0122 14. _N_-__.25B--	45	56C
107	16.37	144	5.42	420	M0122 16. _N_-__.25B--	45	56C
97	18.05	159	4.99	420	M0122 18. _N_-__.25B--	45	56C
88	19.86	175	4.57	420	M0122 20. _N_-__.25B--	45	56C
75	23.27	205	3.90	420	M0122 22. _N_-__.25B--	45	56C
63	27.92	246	3.25	420	M0122 28. _N_-__.25B--	45	56C
54	32.54	287	2.79	420	M0122 32. _N_-__.25B--	45	56C
48	36.16	319	2.51	420	M0122 36. _N_-__.25B--	45	56C
40	43.54	384	1.93	420	M0122 45. _N_-__.25B--	45	56C
35	49.91	440	1.44	420	M0122 50. _N_-__.25B--	45	56C
31	56.72	500	1.25	420	M0122 56. _N_-__.25B--	45	56C
30	58.46	511	1.57	420	M0132 56. _N_-__.25B--	46	56C
27	64.45	563	1.42	420	M0132 63. _N_-__.25B--	46	56C
25	70.93	619	1.29	420	M0132 71. _N_-__.25B--	46	56C
21	83.10	726	1.10	420	M0132 80. _N_-__.25B--	46	56C
18	99.70	871	0.92	420	M0132 100 _N_-__.25B--	46	56C
42	41.49	366	3.85	900	M0222 45. _N_-__.25B--	54	56C
37	47.09	415	3.39	900	M0222 50. _N_-__.25B--	54	56C
33	53.54	472	2.98	900	M0222 56. _N_-__.25B--	54	56C
31	57.03	498	2.83	900	M0232 56. _N_-__.25B--	57	56C
28	62.87	549	2.57	900	M0232 63. _N_-__.25B--	57	56C
25	69.19	604	2.33	900	M0232 71. _N_-__.25B--	57	56C
22	81.07	708	1.99	900	M0232 80. _N_-__.25B--	57	56C
18	97.26	849	1.66	900	M0232 100 _N_-__.25B--	57	56C
15	113.40	990	1.42	900	M0232 112 _N_-__.25B--	57	56C
14	126.00	1100	1.28	900	M0232 125 _N_-__.25B--	57	56C
12	151.70	1325	1.06	900	M0232 160 _N_-__.25B--	57	56C
10	173.90	1519	0.93	900	M0232 180 _N_-__.25B--	57	56C
8.9	197.60	1726	0.82	900	M0232 200 _N_-__.25B--	57	56C
33	53.54	472	3.85	680	M0322 56. _N_-__.25B--	54	56C
31	57.03	498	3.71	680	M0332 56. _N_-__.25B--	57	56C
28	62.87	549	3.37	680	M0332 63. _N_-__.25B--	57	56C
25	69.19	604	3.06	680	M0332 71. _N_-__.25B--	57	56C
22	81.07	708	2.61	680	M0332 80. _N_-__.25B--	57	56C
18	97.26	849	2.18	680	M0332 100 _N_-__.25B--	57	56C
15	113.40	990	1.87	680	M0332 112 _N_-__.25B--	57	56C
14	126.00	1100	1.68	680	M0332 125 _N_-__.25B--	57	56C
12	151.70	1325	1.40	680	M0332 160 _N_-__.25B--	57	56C
10	173.90	1519	1.22	680	M0332 180 _N_-__.25B--	57	56C
8.9	197.60	1726	1.07	680	M0332 200 _N_-__.25B--	57	56C 56C
7.4	234.96	2010	0.92	680	M0342 225 _N_-__.25B--	75	56C
6.7	261.37	2236	0.83	680	M0342 250 _N_-__.25B--	75	56C
18	96.52	843	3.56	1610	M0432 100 _N_-__.25B--	74	56C
15	115.80	1011	2.97	1610	M0432 112 _N_-__.25B--	74	56C
13	130.50	1140	2.63	1610	M0432 125 _N_-__.25B--	74	56C
12	151.70	1325	2.26	1610	M0432 160 _N_-__.25B--	74	56C
10	172.20	1504	1.99	1610	M0432 180 _N_-__.25B--	74	56C
8.9	195.80	1710	1.75	1610	M0432 200 _N_-__.25B--	74	56C
7.5	232.81	1991	1.51	1610	M0442 225 _N_-__.25B--	97	56C
6.7	260.47	2228	1.35	1610	M0442 250 _N_-__.25B--	97	56C
6.3	277.62	2375	1.26	1610	M0442 280 _N_-__.25B--	97	56C
5.7	305.72	2615	1.15	1610	M0442 300 _N_-__.25B--	97	56C
4.8	362.32	3099	0.97	1610	M0442 360 _N_-__.25B--	97	56C
4.2	416.75	3565	0.84	1610	M0442 400 _N_-__.25B--	97	56C
15	115.80	1011	3.94	1620	M0532 112 _N_-__.25B--	74	56C
13	130.50	1140	3.49	1620	M0532 125 _N_-__.25B--	74	56C
12	151.70	1325	3.00	1620	M0532 160 _N_-__.25B--	74	56C
10	172.20	1504	2.65	1620	M0532 180 _N_-__.25B--	74	56C
8.9	195.80	1710	2.33	1620	M0532 200 _N_-__.25B--	74	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

0.25 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
7.5	232.81	1991	2.00	1620	M0542 225 _N_-__.25B--	97	56C
6.7	260.47	2228	1.79	1620	M0542 250 _N_-__.25B--	97	56C
6.3	277.62	2375	1.68	1620	M0542 280 _N_-__.25B--	97	56C
5.7	305.72	2615	1.52	1620	M0542 300 _N_-__.25B--	97	56C
4.8	362.32	3099	1.28	1620	M0542 360 _N_-__.25B--	97	56C
4.2	416.75	3565	1.12	1620	M0542 400 _N_-__.25B--	97	56C
3.9	444.96	3806	1.05	1620	M0542 450 _N_-__.25B--	97	56C
3.6	483.76	4138	0.96	1620	M0542 500 _N_-__.25B--	97	56C
10.8	161.60	1411	3.93	1620	M0632 160 _N_-__.25B--	84	56C
9.3	187.80	1640	3.38	1620	M0632 180 _N_-__.25B--	84	56C
8.2	213.20	1862	2.98	1620	M0632 200 _N_-__.25B--	84	56C
7.2	242.40	2117	2.62	1620	M0632 225 _N_-__.25B--	84	56C
6.4	272.91	2334	2.37	1620	M0642 280 _N_-__.25B--	112	56C
5.6	313.91	2685	2.06	1620	M0642 300 _N_-__.25B--	112	56C
4.8	365.10	3123	1.77	1620	M0642 360 _N_-__.25B--	112	56C
4.4	396.93	3395	1.63	1620	M0642 400 _N_-__.25B--	112	56C
3.9	444.10	3799	1.46	1620	M0642 450 _N_-__.25B--	112	56C
3.3	533.13	4560	1.21	1620	M0642 500 _N_-__.25B--	112	56C
3.1	568.23	4860	1.14	1620	M0642 650 _N_-__.25B--	112	56C
2.6	681.88	5832	0.95	1620	M0642 730 _N_-__.25B--	112	56C
7.6	229.03	1959	3.98	2250	M0742 225 _N_-__.25B--	133	56C
6.7	259.72	2221	3.51	2250	M0742 250 _N_-__.25B--	133	56C
6.1	286.47	2450	3.18	2250	M0742 280 _N_-__.25B--	133	56C
5.5	315.41	2698	2.89	2250	M0742 300 _N_-__.25B--	133	56C
4.8	361.21	3090	2.52	2250	M0742 360 _N_-__.25B--	133	56C
4.2	415.49	3554	2.19	2250	M0742 400 _N_-__.25B--	133	56C
3.7	469.77	4018	1.94	2250	M0742 450 _N_-__.25B--	133	56C
3.4	510.72	4368	1.79	2250	M0742 500 _N_-__.25B--	133	56C
3.0	592.12	5065	1.54	2250	M0742 650 _N_-__.25B--	133	56C
2.5	710.84	6080	1.28	2250	M0742 730 _N_-__.25B--	133	56C
2.1	847.84	7252	1.08	2250	M0742 860 _N_-__.25B--	133	56C
1.7	1017.4	8702	0.90	2250	M0742 10C _N_-__.25B--	133	56C
1.6	1114.2	9530	0.82	2250	M0742 11C _N_-__.25B--	133	56C
4.1	425.69	3641	4.12	3640	M0842 400 _N_-__.25B--	235	56C
3.6	480.51	4110	3.65	3640	M0842 450 _N_-__.25B--	235	56C
3.4	513.04	4388	3.42	3640	M0842 500 _N_-__.25B--	235	56C
2.8	621.92	5320	2.82	3640	M0842 650 _N_-__.25B--	235	56C
2.3	771.75	6601	2.27	3640	M0842 730 _N_-__.25B--	235	56C
1.9	900.00	7698	1.95	3640	M0842 860 _N_-__.25B--	235	56C
1.6	1061.3	9078	1.65	3640	M0842 10C _N_-__.25B--	235	56C
1.5	1165.8	9971	1.50	3640	M0842 11C _N_-__.25B--	235	56C
1.4	1276.5	10918	1.37	3640	M0842 13C _N_-__.25B--	235	56C
1.1	1564.3	13380	1.12	3640	M0842 15C _N_-__.25B--	235	56C
0.9	1917.2	16398	0.91	3640	M0842 18C _N_-__.25B--	235	56C
0.8	2093.5	17907	0.84	3640	M0842 20C _N_-__.25B--	235	56C
2.0	882.1	7783	3.53	4610	M0942 860 _N_-__.25B--	355	56C
1.7	1040.1	9178	3.00	4610	M0942 10C _N_-__.25B--	355	56C
1.5	1138.9	10049	2.74	4610	M0942 11C _N_-__.25B--	355	56C
1.4	1257.3	11094	2.48	4610	M0942 13C _N_-__.25B--	355	56C
1.1	1528.2	13484	2.04	4610	M0942 15C _N_-__.25B--	355	56C
0.93	1872.8	16525	1.66	4610	M0942 18C _N_-__.25B--	355	56C
0.84	2087.4	18419	1.49	4610	M0942 20C _N_-__.25B--	355	56C
0.75	2341.1	20656	1.33	4610	M0942 24C _N_-__.25B--	355	56C
0.66	2649.7	23380	1.18	4610	M0942 27C _N_-__.25B--	355	56C
0.65	2700.1	23824	1.15	4610	M0952 27C _N_-__.25B--	379	56C
0.54	3240.1	28589	0.96	4610	M0952 32C _N_-__.25B--	379	56C
0.48	3650.8	32213	0.85	4610	M0952 36C _N_-__.25B--	379	56C
1.3	1320.7	11653	3.63	6740	M1042 13C _N_-__.25B--	471	56C
1.2	1495.8	13198	3.21	6740	M1042 15C _N_-__.25B--	471	56C
1.0	1735.6	15314	2.76	6740	M1042 18C _N_-__.25B--	471	56C
0.88	1996.9	17619	2.40	6740	M1042 20C _N_-__.25B--	471	56C
0.75	2327.5	20537	2.06	6740	M1042 24C _N_-__.25B--	471	56C
0.63	2778.4	24516	1.73	6740	M1042 27C _N_-__.25B--	471	56C
0.64	2747.6	24243	1.74	6740	M1052 27C _N_-__.25B--	507	56C
0.54	3247.1	28651	1.48	6740	M1052 32C _N_-__.25B--	507	56C
0.49	3578.2	31573	1.34	6740	M1052 36C _N_-__.25B--	507	56C
0.44	3979.5	35113	1.20	6740	M1052 40C _N_-__.25B--	507	56C
0.39	4514.5	39834	1.06	6740	M1052 46C _N_-__.25B--	507	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

0.25 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
0.64	2735.2	24134	3.56	12300	M1352 27C _N_-__.25B--	707	56C
0.56	3150.2	27796	3.09	12300	M1352 32C _N_-__.25B--	707	56C
0.48	3670.5	32387	2.65	12300	M1352 36C _N_-__.25B--	707	56C
0.43	4091.1	36097	2.38	12300	M1352 40C _N_-__.25B--	707	56C
0.38	4588.1	40483	2.12	12300	M1352 46C _N_-__.25B--	707	56C
0.27	6443.4	56854	1.51	12300	M1352 55C _N_-__.25B--	707	56C
0.24	7226.3	63761	1.35	12300	M1352 65C _N_-__.25B--	707	56C
0.23	7526.5	66410	1.29	12300	M1352 74C _N_-__.25B--	707	56C
0.21	8440.9	74479	1.15	12300	M1352 84C _N_-__.25B--	707	56C
0.18	9894.6	87305	0.98	12300	M1352 95C _N_-__.25B--	707	56C
0.17	10527.2	92886	0.92	12300	M1352 10K _N_-__.25B--	707	56C
0.53	3286	28994	3.97	15300	M1452 32C _N_-__.25B--	923	56C
0.49	3598	31748	3.62	15300	M1452 36C _N_-__.25B--	923	56C
0.44	3943	34792	3.31	15300	M1452 40C _N_-__.25B--	923	56C
0.37	4678	41276	2.79	15300	M1452 46C _N_-__.25B--	923	56C
0.32	5471	48274	2.38	15300	M1452 55C _N_-__.25B--	923	56C
0.27	6390	56381	2.04	15300	M1452 65C _N_-__.25B--	923	56C
0.23	7473	65940	1.74	15300	M1452 74C _N_-__.25B--	923	56C
0.21	8381	73951	1.56	15300	M1452 84C _N_-__.25B--	923	56C
0.18	9827	86712	1.33	15300	M1452 95C _N_-__.25B--	923	56C
0.16	11024	97269	1.18	15300	M1452 10K _N_-__.25B--	923	56C
0.30	5775	50954	3.59	22000	M1652 55C _N_-__.25B--	1760	56C
0.27	6440	56824	3.22	22000	M1652 65C _N_-__.25B--	1760	56C
0.23	7728	68189	2.68	22000	M1652 74C _N_-__.25B--	1760	56C
0.20	8899	78520	2.33	22000	M1652 84C _N_-__.25B--	1760	56C

0.33 HP

4 Pole 1750 rpm nominal input speed

467	3.75	43.7	11.29	333	M0122 3.6 _N_-__.33B--	45	56C
345	5.07	59.0	9.52	333	M0122 5.0 _N_-__.33B--	45	56C
304	5.76	67.1	8.85	337	M0122 5.6 _N_-__.33B--	45	56C
268	6.53	76.0	8.19	340	M0122 6.3 _N_-__.33B--	45	56C
210	8.35	97.2	7.02	347	M0122 8.0 _N_-__.33B--	45	56C
195	9.00	105	6.60	345	M0122 9.0 _N_-__.33B--	45	56C
154	11.36	132	5.47	362	M0122 11. _N_-__.33B--	45	56C
136	12.88	150	4.95	382	M0122 12. _N_-__.33B--	45	56C
119	14.71	171	4.45	395	M0122 14. _N_-__.33B--	45	56C
107	16.37	191	4.11	409	M0122 16. _N_-__.33B--	45	56C
97	18.05	210	3.78	420	M0122 18. _N_-__.33B--	45	56C
88	19.86	231	3.46	420	M0122 20. _N_-__.33B--	45	56C
75	23.27	271	2.95	420	M0122 22. _N_-__.33B--	45	56C
63	27.92	325	2.46	420	M0122 28. _N_-__.33B--	45	56C
54	32.54	379	2.11	420	M0122 32. _N_-__.33B--	45	56C
48	36.16	421	1.90	420	M0122 36. _N_-__.33B--	45	56C
40	43.54	507	1.46	420	M0122 45. _N_-__.33B--	45	56C
35	49.91	581	1.09	420	M0122 50. _N_-__.33B--	45	56C
31	56.72	661	0.95	420	M0122 56. _N_-__.33B--	45	56C
30	58.46	674	1.19	420	M0132 56. _N_-__.33B--	46	56C
27	64.45	743	1.08	420	M0132 63. _N_-__.33B--	46	56C
25	70.93	818	0.98	420	M0132 71. _N_-__.33B--	46	56C
21	83.10	958	0.84	420	M0132 80. _N_-__.33B--	46	56C
55	31.68	369	3.82	900	M0222 32. _N_-__.33B--	54	56C
49	35.69	416	3.39	900	M0222 36. _N_-__.33B--	54	56C
42	41.49	483	2.92	900	M0222 45. _N_-__.33B--	54	56C
37	47.09	548	2.57	900	M0222 50. _N_-__.33B--	54	56C
33	53.54	624	2.26	900	M0222 56. _N_-__.33B--	54	56C
31	57.03	657	2.14	900	M0232 56. _N_-__.33B--	57	56C
28	62.87	725	1.95	900	M0232 63. _N_-__.33B--	57	56C
25	69.19	798	1.77	900	M0232 71. _N_-__.33B--	57	56C
22	81.07	935	1.51	900	M0232 80. _N_-__.33B--	57	56C
18	97.26	1121	1.26	900	M0232 100 _N_-__.33B--	57	56C
15	113.4	1307	1.08	900	M0232 112 _N_-__.33B--	57	56C
14	126.0	1453	0.97	900	M0232 125 _N_-__.33B--	57	56C
12	151.7	1749	0.81	900	M0232 160 _N_-__.33B--	57	56C
42	41.49	483	3.58	680	M0322 45. _N_-__.33B--	54	56C
37	47.09	548	3.23	680	M0322 50. _N_-__.33B--	54	56C
33	53.54	624	2.92	680	M0322 56. _N_-__.33B--	54	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

0.33 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
31	57.03	657	2.81	680	M0332 56. _N_-__.33B--	57	56C
28	62.87	725	2.55	680	M0332 63. _N_-__.33B--	57	56C
25	69.19	798	2.32	680	M0332 71. _N_-__.33B--	57	56C
22	81.07	935	1.98	680	M0332 80. _N_-__.33B--	57	56C
18	97.26	1121	1.65	680	M0332 100 _N_-__.33B--	57	56C
15	113.40	1307	1.42	680	M0332 112 _N_-__.33B--	57	56C
14	126.00	1453	1.27	680	M0332 125 _N_-__.33B--	57	56C
12	151.70	1749	1.06	680	M0332 160 _N_-__.33B--	57	56C
10	173.90	2005	0.92	680	M0332 180 _N_-__.33B--	57	56C
8.9	197.60	2278	0.81	680	M0332 200 _N_-__.33B--	57	56C
30	58.38	673	4.26	1610	M0432 56. _N_-__.33B--	74	56C
27	64.29	741	3.99	1610	M0432 63. _N_-__.33B--	74	56C
24	73.95	853	3.52	1610	M0432 71. _N_-__.33B--	74	56C
22	80.40	927	3.24	1610	M0432 80. _N_-__.33B--	74	56C
18	96.52	1113	2.70	1610	M0432 100 _N_-__.33B--	74	56C
15	115.80	1335	2.25	1610	M0432 112 _N_-__.33B--	74	56C
13	130.50	1504	1.99	1610	M0432 125 _N_-__.33B--	74	56C
12	151.70	1749	1.72	1610	M0432 160 _N_-__.33B--	74	56C
10	172.20	1985	1.51	1610	M0432 180 _N_-__.33B--	74	56C
8.9	195.80	2257	1.33	1610	M0432 200 _N_-__.33B--	74	56C
7.5	232.81	2629	1.14	1610	M0442 225 _N_-__.33B--	97	56C
6.7	260.47	2941	1.02	1610	M0442 250 _N_-__.33B--	97	56C
6.3	277.62	3134	0.96	1602	M0442 280 _N_-__.33B--	97	56C
5.7	305.72	3452	0.87	1610	M0442 300 _N_-__.33B--	97	56C
18	96.52	1113	3.58	1620	M0532 100 _N_-__.33B--	74	56C
15	115.80	1335	2.98	1620	M0532 112 _N_-__.33B--	74	56C
13	130.50	1504	2.65	1620	M0532 125 _N_-__.33B--	74	56C
12	151.70	1749	2.28	1620	M0532 160 _N_-__.33B--	74	56C
10	172.20	1985	2.00	1620	M0532 180 _N_-__.33B--	74	56C
8.9	195.80	2257	1.76	1620	M0532 200 _N_-__.33B--	74	56C
7.5	232.81	2629	1.51	1620	M0542 225 _N_-__.33B--	97	56C
6.7	260.47	2941	1.35	1620	M0542 250 _N_-__.33B--	97	56C
6.3	277.62	3134	1.27	1620	M0542 280 _N_-__.33B--	97	56C
5.7	305.72	3452	1.15	1620	M0542 300 _N_-__.33B--	97	56C
4.8	362.32	4091	0.97	1615	M0542 360 _N_-__.33B--	97	56C
4.2	416.75	4705	0.85	1620	M0542 400 _N_-__.33B--	97	56C
3.9	444.96	4997	0.80	1620	M0542 450 _N_-__.33B--	97	56C
12	143.40	1653	3.35	1620	M0632 125 _N_-__.33B--	84	56C
11	161.60	1863	2.97	1620	M0632 160 _N_-__.33B--	84	56C
9.3	187.80	2165	2.56	1620	M0632 180 _N_-__.33B--	84	56C
8.2	213.20	2458	2.25	1620	M0632 200 _N_-__.33B--	84	56C
7.2	242.40	2794	1.98	1620	M0632 225 _N_-__.33B--	84	56C
6.4	272.91	3081	1.80	1620	M0642 280 _N_-__.33B--	112	56C
5.6	313.91	3544	1.56	1620	M0642 300 _N_-__.33B--	112	56C
4.8	365.10	4122	1.34	1620	M0642 360 _N_-__.33B--	112	56C
4.4	396.93	4482	1.24	1620	M0632 400 _N_-__.33B--	112	56C
3.9	444.10	5014	1.10	1620	M0632 450 _N_-__.33B--	112	56C
3.3	533.13	6019	0.92	1605	M0632 500 _N_-__.33B--	112	56C
3.1	568.23	6416	0.86	1620	M0632 650 _N_-__.33B--	112	56C
10	174.00	2006	3.83	2250	M0732 180 _N_-__.33B--	113	56C
9.0	195.20	2250	3.41	2250	M0732 200 _N_-__.33B--	113	56C
7.6	229.03	2586	3.02	2250	M0742 225 _N_-__.33B--	133	56C
6.7	259.72	2932	2.66	2250	M0742 250 _N_-__.33B--	133	56C
6.1	286.47	3234	2.41	2250	M0742 280 _N_-__.33B--	133	56C
5.5	315.41	3561	2.19	2250	M0742 300 _N_-__.33B--	133	56C
4.8	361.21	4078	1.91	2250	M0742 360 _N_-__.33B--	133	56C
4.2	415.49	4691	1.66	2250	M0742 400 _N_-__.33B--	133	56C
3.7	469.77	5304	1.47	2250	M0742 450 _N_-__.33B--	133	56C
3.4	510.72	5766	1.35	2250	M0742 500 _N_-__.33B--	133	56C
3.0	592.12	6685	1.17	2250	M0742 650 _N_-__.33B--	133	56C
2.5	710.84	8026	0.97	2250	M0742 730 _N_-__.33B--	133	56C
2.1	847.84	9573	0.81	2250	M0742 860 _N_-__.33B--	133	56C
5.8	301.21	3401	4.41	3640	M0842 280 _N_-__.33B--	235	56C
5.2	337.01	3805	3.94	3640	M0842 300 _N_-__.33B--	235	56C
4.9	359.19	4055	3.70	3640	M0842 360 _N_-__.33B--	235	56C
4.1	425.69	4806	3.12	3640	M0842 400 _N_-__.33B--	235	56C
3.6	480.51	5425	2.76	3640	M0842 450 _N_-__.33B--	235	56C
3.4	513.04	5792	2.59	3640	M0842 500 _N_-__.33B--	235	56C
2.8	621.92	7022	2.14	3640	M0842 650 _N_-__.33B--	235	56C
2.3	771.75	8713	1.72	3640	M0842 730 _N_-__.33B--	235	56C
1.9	900.00	10161	1.48	3640	M0842 860 _N_-__.33B--	235	56C
1.6	1061.3	11982	1.25	3640	M0842 10C _N_-__.33B--	235	56C
1.5	1165.8	13162	1.14	3640	M0842 11C _N_-__.33B--	235	56C
1.4	1276.5	14412	1.04	3640	M0842 13C _N_-__.33B--	235	56C
1.1	1564.3	17662	0.85	3640	M0842 15C _N_-__.33B--	235	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

0.33 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
2.6	665.75	7517	3.66	4610	M0942 650 _N_-__.33B--	355	56C
2.4	736.35	8314	3.31	4610	M0942 730 _N_-__.33B--	355	56C
2.0	882.06	9959	2.76	4610	M0942 860 _N_-__.33B--	355	56C
1.7	1040.1	11744	2.34	4610	M0942 10C _N_-__.33B--	355	56C
1.5	1138.9	12859	2.14	4610	M0942 11C _N_-__.33B--	355	56C
1.4	1257.3	14196	1.94	4610	M0942 13C _N_-__.33B--	355	56C
1.1	1528.2	17254	1.59	4610	M0942 15C _N_-__.33B--	355	56C
0.93	1872.8	21145	1.30	4610	M0942 18C _N_-__.33B--	355	56C
0.84	2087.4	23568	1.17	4610	M0942 20C _N_-__.33B--	355	56C
0.75	2341.1	26432	1.04	4610	M0942 24C _N_-__.33B--	355	56C
0.66	2649.7	29916	0.92	4610	M0942 27C _N_-__.33B--	355	56C
0.65	2700.1	30165	0.91	4610	M0952 27C _N_-__.33B--	379	56C
1.8	987.84	11153	3.79	6740	M1042 10C _N_-__.33B--	471	56C
1.6	1107.3	12502	3.38	6740	M1042 11C _N_-__.33B--	471	56C
1.3	1320.7	14912	2.84	6740	M1042 13C _N_-__.33B--	471	56C
1.2	1495.8	16888	2.50	6740	M1042 15C _N_-__.33B--	471	56C
1.0	1735.6	19596	2.16	6740	M1042 18C _N_-__.33B--	471	56C
0.88	1996.9	22546	1.88	6740	M1042 20C _N_-__.33B--	471	56C
0.75	2327.5	26278	1.61	6740	M1042 24C _N_-__.33B--	471	56C
0.63	2778.4	31370	1.35	6740	M1052 27C _N_-__.33B--	507	56C
0.64	2747.6	31021	1.36	6740	M1052 27C _N_-__.33B--	507	56C
0.54	3247.1	36662	1.15	6740	M1052 32C _N_-__.33B--	507	56C
0.49	3578.2	40400	1.05	6740	M1052 36C _N_-__.33B--	507	56C
0.44	3979.5	44930	0.94	6740	M1052 40C _N_-__.33B--	507	56C
0.39	4514.5	50971	0.83	6740	M1052 46C _N_-__.33B--	507	56C
0.75	2333.8	26350	3.26	12300	M1342 24C _N_-__.33B--	705	56C
0.60	2910.6	32862	2.61	12300	M1342 27C _N_-__.33B--	705	56C
0.64	2735.2	30882	2.78	12300	M1352 27C _N_-__.33B--	707	56C
0.56	3150.2	35567	2.42	12300	M1352 32C _N_-__.33B--	707	56C
0.48	3670.5	41442	2.07	12300	M1352 36C _N_-__.33B--	707	56C
0.43	4091.1	46190	1.86	12300	M1352 40C _N_-__.33B--	707	56C
0.38	4588.1	51802	1.66	12300	M1352 46C _N_-__.33B--	707	56C
0.27	6443.4	72749	1.18	12300	M1352 55C _N_-__.33B--	707	56C
0.24	7226.3	81588	1.05	12300	M1352 65C _N_-__.33B--	707	56C
0.23	7526.5	84978	1.01	12300	M1352 74C _N_-__.33B--	707	56C
0.21	8440.9	95302	0.90	12300	M1352 84C _N_-__.33B--	707	56C
0.64	2739.4	31906	3.60	15300	M1452 27C _N_-__.33B--	923	56C
0.53	3286.0	38272	3.00	15300	M1452 32C _N_-__.33B--	923	56C
0.49	3598.1	41907	2.74	15300	M1452 36C _N_-__.33B--	923	56C
0.44	3943.2	45926	2.50	15300	M1452 40C _N_-__.33B--	923	56C
0.37	4677.9	54484	2.11	15300	M1452 46C _N_-__.33B--	923	56C
0.32	5471.0	63721	1.80	15300	M1452 55C _N_-__.33B--	923	56C
0.27	6389.9	74423	1.55	15300	M1452 65C _N_-__.33B--	923	56C
0.23	7473.2	87041	1.32	15300	M1452 74C _N_-__.33B--	923	56C
0.21	8381.2	97616	1.18	15300	M1452 84C _N_-__.33B--	923	56C
0.18	9827.4	114460	1.00	15300	M1452 95C _N_-__.33B--	923	56C
0.16	11024	128395	0.90	15300	M1452 10K _N_-__.33B--	923	56C
0.50	3494.5	40700	4.50	22000	M1652 36C _N_-__.33B--	1760	56C
0.48	3665.8	42696	4.29	22000	M1652 40C _N_-__.33B--	1760	56C
0.36	4812.4	56050	3.26	22000	M1652 46C _N_-__.33B--	1760	56C
0.30	5774.8	67259	2.72	22000	M1652 55C _N_-__.33B--	1760	56C
0.27	6440.1	75008	2.44	22000	M1652 65C _N_-__.33B--	1760	56C
0.23	7728.1	90009	2.03	22000	M1652 74C _N_-__.33B--	1760	56C
0.20	8899.0	103647	1.77	22000	M1652 84C _N_-__.33B--	1760	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

0.50 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
467	3.75	66.2	7.45	318	M0122 3.6 _N_-__.50B--	45	56C
345	5.07	89.4	6.29	318	M0122 5.0 _N_-__.50B--	45	56C
304	5.76	102	5.84	322	M0122 5.6 _N_-__.50B--	45	56C
268	6.53	115	5.41	325	M0122 6.3 _N_-__.50B--	45	56C
210	8.35	147	4.64	331	M0122 8.0 _N_-__.50B--	45	56C
195	9.00	159	4.36	329	M0122 9.0 _N_-__.50B--	45	56C
154	11.36	200	3.61	346	M0122 11. _N_-__.50B--	45	56C
136	12.88	227	3.26	364	M0122 12. _N_-__.50B--	45	56C
119	14.71	260	2.94	377	M0122 14. _N_-__.50B--	45	56C
107	16.37	289	2.71	391	M0122 16. _N_-__.50B--	45	56C
97	18.05	319	2.49	420	M0122 18. _N_-__.50B--	45	56C
88	19.86	350	2.28	420	M0122 20. _N_-__.50B--	45	56C
75	23.27	411	1.95	420	M0122 22. _N_-__.50B--	45	56C
63	27.92	493	1.62	420	M0122 28. _N_-__.50B--	45	56C
54	32.54	574	1.39	420	M0122 32. _N_-__.50B--	45	56C
48	36.16	638	1.25	420	M0122 36. _N_-__.50B--	45	56C
40	43.54	768	0.96	420	M0122 45. _N_-__.50B--	45	56C
87	20.23	357	3.95	900	M0222 20. _N_-__.50B--	54	56C
80	21.99	388	3.63	900	M0222 22. _N_-__.50B--	54	56C
66	26.40	466	3.03	900	M0222 28. _N_-__.50B--	54	56C
55	31.68	559	2.52	900	M0222 32. _N_-__.50B--	54	56C
49	35.69	630	2.24	900	M0222 36. _N_-__.50B--	54	56C
42	41.49	732	1.93	900	M0222 45. _N_-__.50B--	54	56C
37	47.09	831	1.70	900	M0222 50. _N_-__.50B--	54	56C
33	53.54	945	1.49	900	M0222 56. _N_-__.50B--	54	56C
31	57.03	1006	1.40	900	M0222 56. _N_-__.50B--	54	56C
28	62.87	1098	1.28	900	M0232 63. _N_-__.50B--	57	56C
25	69.19	1209	1.17	900	M0232 71. _N_-__.50B--	57	56C
22	81.07	1416	1.00	900	M0232 80. _N_-__.50B--	57	56C
18	97.26	1699	0.83	900	M0232 100 _N_-__.50B--	57	56C
66	26.40	466	3.97	680	M0322 28. _N_-__.50B--	54	56C
55	31.68	559	3.31	680	M0322 32. _N_-__.50B--	54	56C
49	35.69	630	2.94	680	M0322 36. _N_-__.50B--	54	56C
42	41.49	732	2.36	680	M0322 45. _N_-__.50B--	54	56C
37	47.09	831	2.13	680	M0322 50. _N_-__.50B--	54	56C
33	53.54	945	1.93	680	M0322 56. _N_-__.50B--	54	56C
31	57.03	996	1.86	680	M0332 56. _N_-__.50B--	57	56C
28	62.87	1098	1.68	680	M0322 63. _N_-__.50B--	57	56C
25	69.19	1209	1.53	680	M0322 71. _N_-__.50B--	57	56C
22	81.07	1416	1.31	680	M0322 80. _N_-__.50B--	57	56C
18	97.26	1699	1.09	680	M0322 100 _N_-__.50B--	57	56C
15	113.4	1981	0.93	680	M0322 112 _N_-__.50B--	57	56C
14	126.0	2201	0.84	680	M0322 125 _N_-__.50B--	57	56C
41	43.20	762	3.94	1610	M0422 45. _N_-__.50B--	73	56C
36	48.15	850	3.53	1610	M0422 50. _N_-__.50B--	73	56C
32	54.00	953	2.51	1610	M0422 56. _N_-__.50B--	73	56C
30	58.38	1020	2.81	1610	M0432 56. _N_-__.50B--	74	56C
27	64.29	1123	2.64	1610	M0432 63. _N_-__.50B--	74	56C
24	73.95	1292	2.32	1610	M0432 71. _N_-__.50B--	74	56C
22	80.40	1404	2.14	1610	M0432 80. _N_-__.50B--	74	56C
18	96.52	1686	1.78	1610	M0432 100 _N_-__.50B--	74	56C
15	115.80	2023	1.48	1610	M0432 112 _N_-__.50B--	74	56C
13	130.50	2279	1.32	1610	M0432 125 _N_-__.50B--	74	56C
12	151.70	2650	1.13	1610	M0432 160 _N_-__.50B--	74	56C
10	172.20	3008	1.00	1610	M0432 180 _N_-__.50B--	74	56C
8.9	195.80	3420	0.88	1610	M0432 200 _N_-__.50B--	74	56C
36	48.15	850	3.95	1620	M0522 50. _N_-__.50B--	73	56C
32	54.00	953	2.51	1620	M0522 56. _N_-__.50B--	73	56C
30	58.38	1020	3.90	1620	M0532 56. _N_-__.50B--	74	56C
27	64.29	1123	3.54	1620	M0532 63. _N_-__.50B--	74	56C
24	73.95	1292	3.08	1620	M0532 71. _N_-__.50B--	74	56C
22	80.40	1404	2.83	1620	M0532 80. _N_-__.50B--	74	56C
18	96.52	1686	2.36	1620	M0532 100 _N_-__.50B--	74	56C
15	115.80	2023	1.97	1620	M0532 112 _N_-__.50B--	74	56C
13	130.50	2279	1.75	1620	M0532 125 _N_-__.50B--	74	56C
12	151.70	2650	1.50	1620	M0532 160 _N_-__.50B--	74	56C
10	172.20	3008	1.32	1620	M0532 180 _N_-__.50B--	74	56C
8.9	195.80	3420	1.16	1620	M0532 200 _N_-__.50B--	74	56C
7.5	232.81	3983	1.00	1620	M0542 225 _N_-__.50B--	97	56C
6.7	260.47	4456	0.89	1620	M0542 250 _N_-__.50B--	97	56C
6.3	277.62	4749	0.84	1620	M0542 280 _N_-__.50B--	97	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

0.50 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
22	79.60	1390	3.78	1620	M0632 71. _N_-__.50B--	84	56C
19	91.56	1599	3.41	1620	M0632 80. _N_-__.50B--	84	56C
18	99.54	1739	3.19	1620	M0632 100 _N_-__.50B--	84	56C
15	119.50	2087	2.65	1620	M0632 112 _N_-__.50B--	84	56C
12	143.40	2505	2.21	1620	M0632 125 _N_-__.50B--	84	56C
11	161.60	2823	1.96	1620	M0632 160 _N_-__.50B--	84	56C
9.3	187.80	3280	1.69	1620	M0632 180 _N_-__.50B--	84	56C
8.2	213.20	3724	1.49	1620	M0632 200 _N_-__.50B--	84	56C
7.2	242.40	4147	1.34	1620	M0642 225 _N_-__.50B--	112	56C
6.4	272.91	4669	1.19	1620	M0642 280 _N_-__.50B--	112	56C
5.6	313.91	5370	1.03	1620	M0642 300 _N_-__.50B--	112	56C
4.8	365.10	6246	0.89	1620	M0642 360 _N_-__.50B--	112	56C
4.4	396.93	6790	0.82	1620	M0642 400 _N_-__.50B--	112	56C
15	116.3	2031	3.78	2250	M0732 112 _N_-__.50B--	113	56C
14	127.4	2225	3.45	2250	M0732 125 _N_-__.50B--	113	56C
11	156.1	2727	2.82	2250	M0732 160 _N_-__.50B--	113	56C
10	174.0	3039	2.53	2250	M0732 180 _N_-__.50B--	113	56C
9.0	195.2	3410	2.25	2250	M0732 200 _N_-__.50B--	113	56C
7.6	229.0	3918	1.99	2250	M0742 225 _N_-__.50B--	133	56C
6.7	259.7	4443	1.76	2250	M0742 250 _N_-__.50B--	133	56C
6.1	286.5	4901	1.59	2250	M0742 280 _N_-__.50B--	133	56C
5.5	315.4	5396	1.45	2250	M0742 300 _N_-__.50B--	133	56C
4.8	361.2	6179	1.26	2250	M0742 360 _N_-__.50B--	133	56C
4.2	415.5	7108	1.10	2250	M0742 400 _N_-__.50B--	133	56C
3.7	469.8	8036	0.97	2250	M0742 450 _N_-__.50B--	133	56C
3.4	510.7	8737	0.89	2250	M0742 500 _N_-__.50B--	133	56C
7.6	228.9	3916	3.83	3640	M0842 225 _N_-__.50B--	235	56C
6.8	259.0	4430	3.39	3640	M0842 250 _N_-__.50B--	235	56C
5.8	301.2	5153	2.91	3640	M0842 280 _N_-__.50B--	235	56C
5.2	337.0	5765	2.60	3640	M0842 300 _N_-__.50B--	235	56C
4.9	359.2	6145	2.44	3640	M0842 360 _N_-__.50B--	235	56C
4.1	425.7	7282	2.06	3640	M0842 400 _N_-__.50B--	235	56C
3.6	480.5	8220	1.82	3640	M0842 450 _N_-__.50B--	235	56C
3.4	513.0	8776	1.71	3640	M0842 500 _N_-__.50B--	235	56C
2.8	621.9	10639	1.41	3640	M0842 650 _N_-__.50B--	235	56C
2.3	771.8	13202	1.14	3640	M0842 730 _N_-__.50B--	235	56C
1.9	900.0	15396	0.97	3640	M0842 860 _N_-__.50B--	235	56C
1.6	1061.3	18155	0.83	3640	M0842 10C _N_-__.50B--	235	56C
3.9	452.9	7748	3.55	4610	M0942 450 _N_-__.50B--	355	56C
3.5	503.2	8608	3.19	4610	M0942 500 _N_-__.50B--	355	56C
2.6	665.8	11389	2.41	4610	M0942 650 _N_-__.50B--	355	56C
2.4	736.4	12597	2.18	4610	M0942 730 _N_-__.50B--	355	56C
2.0	882.1	15089	1.82	4610	M0942 860 _N_-__.50B--	355	56C
1.7	1040.1	17793	1.55	4610	M0942 10C _N_-__.50B--	355	56C
1.5	1138.9	19483	1.41	4610	M0942 11C _N_-__.50B--	355	56C
1.4	1257.3	21509	1.28	4610	M0942 13C _N_-__.50B--	355	56C
1.1	1528.2	26142	1.05	4610	M0942 15C _N_-__.50B--	355	56C
0.93	1872.8	32038	0.86	4610	M0942 18C _N_-__.50B--	355	56C
2.8	635.7	10874	3.89	6740	M1042 650 _N_-__.50B--	471	56C
2.4	728.0	12454	3.40	6740	M1042 730 _N_-__.50B--	471	56C
2.1	844.7	14450	2.93	6740	M1042 860 _N_-__.50B--	471	56C
1.8	987.8	16899	2.50	6740	M1042 10C _N_-__.50B--	471	56C
1.6	1107.3	18942	2.23	6740	M1042 11C _N_-__.50B--	471	56C
1.3	1320.7	22593	1.87	6740	M1042 13C _N_-__.50B--	471	56C
1.2	1495.8	25588	1.65	6740	M1042 15C _N_-__.50B--	471	56C
1.0	1735.6	29691	1.42	6740	M1042 18C _N_-__.50B--	471	56C
0.88	1996.9	34160	1.24	6740	M1042 20C _N_-__.50B--	471	56C
0.75	2327.5	39816	1.06	6740	M1042 24C _N_-__.50B--	471	56C
0.63	2778.4	47530	0.89	6740	M1042 27C _N_-__.50B--	471	56C
1.3	1302.4	22280	3.86	12300	M1342 13C _N_-__.50B--	705	56C
1.2	1521.3	26025	3.30	12300	M1342 15C _N_-__.50B--	705	56C
1.0	1798.2	30761	2.79	12300	M1342 18C _N_-__.50B--	705	56C
1.0	1798.2	30761	2.79	12300	M1342 20C _N_-__.50B--	705	56C
0.75	2333.8	39924	2.15	12300	M1342 24C _N_-__.50B--	705	56C
0.60	2910.6	49791	1.73	12300	M1342 27C _N_-__.50B--	705	56C
0.64	2735.2	46298	1.86	12300	M1352 27C _N_-__.50B--	707	56C
0.56	3150.2	53322	1.61	12300	M1352 32C _N_-__.50B--	707	56C
0.48	3670.5	62129	1.38	12300	M1352 36C _N_-__.50B--	707	56C
0.43	4091.1	69248	1.24	12300	M1352 40C _N_-__.50B--	707	56C
0.38	4588.1	77662	1.11	12300	M1352 46C _N_-__.50B--	707	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

0.50 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
1.0	1812.7	31009	3.71	15300	M1442 18C _N_-__.50B--	920	56C
0.88	1981.4	33895	3.39	15300	M1442 20C _N_-__.50B--	920	56C
0.72	2445.4	41833	2.75	15300	M1442 24C _N_-__.50B--	920	56C
0.64	2717.1	46481	2.47	15300	M1442 27C _N_-__.50B--	920	56C
0.64	2739.4	46369	2.48	15300	M1452 27C _N_-__.50B--	923	56C
0.53	3286.0	55621	2.07	15300	M1452 32C _N_-__.50B--	923	56C
0.49	3598.1	60903	1.89	15300	M1452 36C _N_-__.50B--	923	56C
0.44	3943.2	66745	1.72	15300	M1452 40C _N_-__.50B--	923	56C
0.37	4677.9	79182	1.45	15300	M1452 46C _N_-__.50B--	923	56C
0.32	5471.0	92607	1.24	15300	M1452 55C _N_-__.50B--	923	56C
0.27	6389.9	108159	1.06	15300	M1452 65C _N_-__.50B--	923	56C
0.23	7473.2	126497	0.91	15300	M1452 74C _N_-__.50B--	923	56C
0.21	8381.2	141866	0.81	15300	M1452 84C _N_-__.50B--	923	56C
0.64	2744.2	46945	3.90	22000	M1652 27C _N_-__.50B--	1760	56C
0.55	3181.2	54421	3.36	22000	M1652 32C _N_-__.50B--	1760	56C
0.50	3494.5	59779	3.06	22000	M1652 36C _N_-__.50B--	1760	56C
0.48	3665.8	62710	2.92	22000	M1652 40C _N_-__.50B--	1760	56C
0.36	4812.4	82324	2.22	22000	M1652 46C _N_-__.50B--	1760	56C
0.30	5774.8	98789	1.85	22000	M1652 55C _N_-__.50B--	1760	56C
0.27	6440.1	110169	1.66	22000	M1652 65C _N_-__.50B--	1760	56C
0.23	7728.1	132202	1.38	22000	M1652 74C _N_-__.50B--	1760	56C
0.20	8899.0	152233	1.20	22000	M1652 84C _N_-__.50B--	1760	56C

0.75 HP

4 Pole 1750 rpm nominal input speed

467	3.75	99.3	4.97	304	M0122 3.6 _N_-__.75B--	45	56C
345	5.07	134	4.19	304	M0122 5.0 _N_-__.75B--	45	56C
304	5.76	153	3.89	308	M0122 5.6 _N_-__.75B--	45	56C
268	6.53	173	3.61	311	M0122 6.3 _N_-__.75B--	45	56C
210	8.35	221	3.09	317	M0122 8.0 _N_-__.75B--	45	56C
195	9.00	238	2.91	315	M0122 9.0 _N_-__.75B--	45	56C
154	11.36	301	2.41	330	M0122 11. _N_-__.75B--	45	56C
136	12.88	341	2.18	349	M0122 12. _N_-__.75B--	45	56C
119	14.71	389	1.96	361	M0122 14. _N_-__.75B--	45	56C
107	16.37	433	1.81	374	M0122 16. _N_-__.75B--	45	56C
97	18.05	478	1.66	412	M0122 18. _N_-__.75B--	45	56C
88	19.86	526	1.52	420	M0122 20. _N_-__.75B--	45	56C
75	23.27	616	1.30	420	M0122 22. _N_-__.75B--	45	56C
63	27.92	739	1.08	420	M0122 28. _N_-__.75B--	45	56C
54	32.54	861	0.93	420	M0122 32. _N_-__.75B--	45	56C
48	36.16	957	0.84	420	M0122 36. _N_-__.75B--	45	56C
141	12.37	327	3.88	801	M0222 12. _N_-__.75B--	54	56C
125	14.05	372	3.50	838	M0222 14. _N_-__.75B--	54	56C
110	15.97	423	3.22	859	M0222 16. _N_-__.75B--	54	56C
100	17.58	465	2.94	900	M0222 18. _N_-__.75B--	54	56C
87	20.23	535	2.63	900	M0222 20. _N_-__.75B--	54	56C
80	21.99	582	2.42	900	M0222 22. _N_-__.75B--	54	56C
66	26.40	699	2.02	900	M0222 28. _N_-__.75B--	54	56C
55	31.68	839	1.68	900	M0222 32. _N_-__.75B--	54	56C
49	35.69	945	1.49	900	M0222 36. _N_-__.75B--	54	56C
42	41.49	1098	1.28	900	M0222 45. _N_-__.75B--	54	56C
37	47.09	1246	1.13	900	M0222 50. _N_-__.75B--	54	56C
33	53.54	1417	0.99	900	M0222 56. _N_-__.75B--	54	56C
31	57.03	1494	0.94	900	M0232 56. _N_-__.75B--	56	56C
28	62.87	1647	0.86	900	M0232 63. _N_-__.75B--	56	56C
100	17.58	465	3.74	607	M0322 18. _N_-__.75B--	54	56C
87	20.23	535	3.42	618	M0322 20. _N_-__.75B--	54	56C
80	21.99	582	3.18	647	M0322 22. _N_-__.75B--	54	56C
66	26.40	699	2.65	680	M0322 28. _N_-__.75B--	54	56C
55	31.68	839	2.21	680	M0322 32. _N_-__.75B--	54	56C
49	35.69	945	1.96	680	M0322 36. _N_-__.75B--	54	56C
42	41.49	1098	1.58	680	M0322 45. _N_-__.75B--	54	56C
37	47.09	1246	1.42	680	M0322 50. _N_-__.75B--	54	56C
33	53.54	1417	1.28	680	M0322 56. _N_-__.75B--	54	56C
31	57.03	1494	1.24	680	M0332 56. _N_-__.75B--	56	56C
28	62.87	1647	1.12	680	M0332 63. _N_-__.75B--	56	56C
25	69.19	1813	1.02	680	M0332 71. _N_-__.75B--	56	56C
22	81.07	2124	0.87	680	M0332 80. _N_-__.75B--	56	56C
54	32.19	852	3.52	1596	M0422 32. _N_-__.75B--	73	56C
50	35.25	933	3.22	1610	M0422 36. _N_-__.75B--	73	56C
41	43.20	1144	2.62	1610	M0422 45. _N_-__.75B--	73	56C
36	48.15	1275	2.35	1610	M0422 50. _N_-__.75B--	73	56C
32	54.00	1429	1.67	1610	M0422 56. _N_-__.75B--	73	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

0.75 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
30	58.38	1530	1.88	1610	M0432 56. _N_-__.75B--	74	56C
27	64.29	1684	1.76	1610	M0432 63. _N_-__.75B--	74	56C
24	73.95	1938	1.55	1610	M0432 71. _N_-__.75B--	74	56C
22	80.40	2107	1.42	1610	M0432 80. _N_-__.75B--	74	56C
18	96.52	2529	1.19	1610	M0432 100 _N_-__.75B--	74	56C
15	115.80	3034	0.99	1608	M0432 112 _N_-__.75B--	74	56C
13	130.50	3419	0.88	1610	M0432 125 _N_-__.75B--	74	56C
41	43.20	1144	3.24	1400	M0522 45. _N_-__.75B--	73	56C
36	48.15	1275	2.64	1569	M0522 50. _N_-__.75B--	73	56C
32	54.00	1429	1.67	1620	M0522 56. _N_-__.75B--	73	56C
30	58.38	1530	2.60	1620	M0532 56. _N_-__.75B--	74	56C
27	64.29	1684	2.36	1620	M0532 63. _N_-__.75B--	74	56C
24	73.95	1938	2.05	1620	M0532 71. _N_-__.75B--	74	56C
22	80.40	2107	1.89	1620	M0532 80. _N_-__.75B--	74	56C
18	96.52	2529	1.57	1620	M0532 100 _N_-__.75B--	74	56C
15	115.80	3034	1.31	1620	M0532 112 _N_-__.75B--	74	56C
13	130.50	3419	1.16	1620	M0532 125 _N_-__.75B--	74	56C
12	151.70	3975	1.00	1620	M0532 160 _N_-__.75B--	74	56C
10	172.20	4512	0.88	1598	M0532 180 _N_-__.75B--	74	56C
33	53.49	1416	3.23	1620	M0622 50. _N_-__.75B--	83	56C
29	59.61	1578	2.64	1620	M0622 56. _N_-__.75B--	83	56C
26	66.86	1770	1.67	1620	M0622 63. _N_-__.75B--	83	56C
24	72.28	1894	2.80	1620	M0632 63. _N_-__.75B--	84	56C
22	79.60	2086	2.52	1620	M0632 71. _N_-__.75B--	84	56C
19	91.56	2399	2.28	1620	M0632 80. _N_-__.75B--	84	56C
18	99.54	2608	2.12	1620	M0632 100 _N_-__.75B--	84	56C
15	119.50	3131	1.77	1620	M0632 112 _N_-__.75B--	84	56C
12	143.40	3757	1.47	1620	M0632 125 _N_-__.75B--	84	56C
11	161.60	4234	1.31	1620	M0632 160 _N_-__.75B--	84	56C
9.3	187.80	4920	1.13	1620	M0632 180 _N_-__.75B--	84	56C
8.2	213.20	5586	0.99	1620	M0632 200 _N_-__.75B--	84	56C
7.2	242.40	6351	0.87	1620	M0632 225 _N_-__.75B--	84	56C
32.4	53.96	1428	3.69	2250	M0722 56. _N_-__.75B--	111	56C
27.9	62.83	1646	3.97	2250	M0732 63. _N_-__.75B--	113	56C
23.5	74.47	1951	3.47	2250	M0732 71. _N_-__.75B--	113	56C
22.0	79.51	2083	3.32	2250	M0732 80. _N_-__.75B--	113	56C
17.7	98.66	2585	2.88	2250	M0732 100 _N_-__.75B--	113	56C
15.0	116.30	3047	2.52	2250	M0732 112 _N_-__.75B--	113	56C
13.7	127.40	3338	2.30	2250	M0732 125 _N_-__.75B--	113	56C
11.2	156.10	4090	1.88	2250	M0732 160 _N_-__.75B--	113	56C
10.1	174.00	4559	1.68	2250	M0732 180 _N_-__.75B--	113	56C
9.0	195.20	5114	1.50	2250	M0732 200 _N_-__.75B--	113	56C
7.6	229.03	5877	1.33	2250	M0742 225 _N_-__.75B--	133	56C
6.7	259.72	6664	1.17	2250	M0742 250 _N_-__.75B--	133	56C
6.1	286.47	7351	1.06	2250	M0742 280 _N_-__.75B--	133	56C
5.5	315.41	8094	0.96	2250	M0742 300 _N_-__.75B--	133	56C
4.8	361.21	9269	0.84	2250	M0742 360 _N_-__.75B--	133	56C
10.9	160.40	4203	3.57	3640	M0832 160 _N_-__.75B--	171	56C
10.0	175.20	4590	3.27	3640	M0832 180 _N_-__.75B--	171	56C
8.7	201.80	5287	2.84	3640	M0832 200 _N_-__.75B--	171	56C
7.6	228.91	5874	2.55	3640	M0842 225 _N_-__.75B--	235	56C
6.8	258.98	6645	2.26	3640	M0842 250 _N_-__.75B--	235	56C
5.8	301.21	7729	1.94	3640	M0842 280 _N_-__.75B--	235	56C
5.2	337.01	8648	1.73	3640	M0842 300 _N_-__.75B--	235	56C
4.9	359.19	9217	1.63	3640	M0842 360 _N_-__.75B--	235	56C
4.1	425.69	10923	1.37	3640	M0842 400 _N_-__.75B--	235	56C
3.6	480.51	12330	1.22	3640	M0842 450 _N_-__.75B--	235	56C
3.4	513.04	13165	1.14	3640	M0842 500 _N_-__.75B--	235	56C
2.8	621.92	15959	0.94	3640	M0842 650 _N_-__.75B--	235	56C
6.1	286.69	7357	3.74	4610	M0942 280 _N_-__.75B--	355	56C
5.8	300.18	7703	3.57	4610	M0942 300 _N_-__.75B--	355	56C
4.9	357.95	9185	2.99	4610	M0942 360 _N_-__.75B--	355	56C
4.4	397.69	10205	2.69	4610	M0942 400 _N_-__.75B--	355	56C
3.9	452.94	11623	2.37	4610	M0942 450 _N_-__.75B--	355	56C
3.5	503.22	12913	2.13	4610	M0942 500 _N_-__.75B--	355	56C
2.6	665.75	17083	1.61	4610	M0942 650 _N_-__.75B--	355	56C
2.4	736.35	18895	1.46	4610	M0942 730 _N_-__.75B--	355	56C
2.0	882.06	22634	1.21	4610	M0942 860 _N_-__.75B--	355	56C
1.7	1040.1	26690	1.03	4610	M0942 10C _N_-__.75B--	355	56C
1.5	1138.9	29225	0.94	4610	M0942 11C _N_-__.75B--	355	56C
1.4	1257.3	32263	0.85	4610	M0942 13C _N_-__.75B--	355	56C

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

SELECTION TABLES

0.75 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
3.8	457.22	11732	3.61	6740	M1042 450 _N_-__.75B--	471	56C
3.5	500.94	12854	3.29	6740	M1042 500 _N_-__.75B--	471	56C
2.8	635.68	16312	2.59	6740	M1042 650 _N_-__.75B--	471	56C
2.4	727.99	18680	2.26	6740	M1042 730 _N_-__.75B--	471	56C
2.1	844.72	21676	1.95	6740	M1042 860 _N_-__.75B--	471	56C
1.8	987.84	25348	1.67	6740	M1042 10C _N_-__.75B--	471	56C
1.6	1107.3	28414	1.49	6740	M1042 11C _N_-__.75B--	471	56C
1.3	1320.7	33890	1.25	6740	M1042 13C _N_-__.75B--	471	56C
1.2	1495.8	38381	1.10	6740	M1042 15C _N_-__.75B--	471	56C
1.0	1735.6	44536	0.95	6740	M1042 18C _N_-__.75B--	471	56C
0.88	1996.9	51240	0.83	6740	M1042 20C _N_-__.75B--	471	56C
2.0	860.03	22069	3.89	12300	M1342 860 _N_-__.75B--	705	56C
1.8	997.11	25586	3.36	12300	M1342 10C _N_-__.75B--	705	56C
1.6	1067.8	27401	3.13	12300	M1342 11C _N_-__.75B--	705	56C
1.3	1302.4	33420	2.57	12300	M1342 13C _N_-__.75B--	705	56C
1.2	1521.3	39038	2.20	12300	M1342 15C _N_-__.75B--	705	56C
1.0	1798.2	46141	1.86	12300	M1342 18C _N_-__.75B--	705	56C
1.0	1798.2	46141	1.86	12300	M1342 20C _N_-__.75B--	705	56C
0.75	2333.8	59886	1.43	12300	M1342 24C _N_-__.75B--	705	56C
0.60	2910.6	74687	1.15	12300	M1342 27C _N_-__.75B--	705	56C
0.64	2735.2	69447	1.24	12300	M1352 27C _N_-__.75B--	707	56C
0.56	3150.2	79983	1.07	12300	M1352 32C _N_-__.75B--	707	56C
0.48	3670.5	93194	0.92	12300	M1352 36C _N_-__.75B--	707	56C
0.43	4091.1	103872	0.83	12300	M1352 40C _N_-__.75B--	707	56C
1.5	1156.47	29675	3.88	15300	M1442 11C _N_-__.75B--	920	56C
1.4	1291.58	33142	3.47	15300	M1442 13C _N_-__.75B--	920	56C
1.2	1510.56	38761	2.97	15300	M1442 15C _N_-__.75B--	920	56C
1.0	1812.67	46513	2.47	15300	M1442 18C _N_-__.75B--	920	56C
0.88	1981.35	50842	2.26	15300	M1442 20C _N_-__.75B--	920	56C
0.72	2445.42	62750	1.83	15300	M1442 24C _N_-__.75B--	920	56C
0.64	2717.13	69722	1.65	15300	M1442 27C _N_-__.75B--	920	56C
0.64	2739.37	69553	1.65	15300	M1452 27C _N_-__.75B--	923	56C
0.53	3285.96	83431	1.38	15300	M1452 32C _N_-__.75B--	923	56C
0.49	3598.07	91355	1.26	15300	M1452 36C _N_-__.75B--	923	56C
0.44	3943.15	100117	1.15	15300	M1452 40C _N_-__.75B--	923	56C
0.37	4677.94	118773	0.97	15300	M1452 46C _N_-__.75B--	923	56C
0.32	5471.04	138910	0.83	15300	M1452 55C _N_-__.75B--	923	56C
0.64	2744.21	69676	2.63	22000	M1652 27C _N_-__.75B--	1760	56C
0.55	3181.23	80772	2.27	22000	M1652 32C _N_-__.75B--	1760	56C
0.50	3494.46	88725	2.06	22000	M1652 36C _N_-__.75B--	1760	56C
0.48	3665.81	93075	1.97	22000	M1652 40C _N_-__.75B--	1760	56C
0.36	4812.35	122186	1.50	22000	M1652 46C _N_-__.75B--	1760	56C
0.30	5774.82	146623	1.25	22000	M1652 55C _N_-__.75B--	1760	56C
0.27	6440.06	163514	1.12	22000	M1652 65C _N_-__.75B--	1760	56C
0.23	7728.07	196216	0.93	22000	M1652 74C _N_-__.75B--	1760	56C
0.20	8898.99	225946	0.81	22000	M1652 84C _N_-__.75B--	1760	56C

1.00 HP

4 Pole 1750 rpm nominal input speed

467	3.75	132	3.72	295	M0122 3.6 _N_-__1.0B--	50	143TC
345	5.07	179	3.14	295	M0122 5.0 _N_-__1.0B--	50	143TC
304	5.76	203	2.92	298	M0122 5.6 _N_-__1.0B--	50	143TC
268	6.53	230	2.70	301	M0122 6.3 _N_-__1.0B--	50	143TC
210	8.35	295	2.32	307	M0122 8.0 _N_-__1.0B--	50	143TC
195	9.00	318	2.18	305	M0122 9.0 _N_-__1.0B--	50	143TC
154	11.36	401	1.81	320	M0122 11. _N_-__1.0B--	50	143TC
136	12.88	455	1.63	338	M0122 12. _N_-__1.0B--	50	143TC
119	14.71	519	1.47	349	M0122 14. _N_-__1.0B--	50	143TC
107	16.37	578	1.36	362	M0122 16. _N_-__1.0B--	50	143TC
97	18.05	637	1.25	400	M0122 18. _N_-__1.0B--	50	143TC
88	19.86	701	1.14	416	M0122 20. _N_-__1.0B--	50	143TC
75	23.27	821	0.97	419	M0122 22. _N_-__1.0B--	50	143TC
63	27.92	985	0.81	410	M0122 28. _N_-__1.0B--	50	143TC
193	9.09	321	3.74	752	M0222 9.0 _N_-__1.0B--	59	143TC
157	11.15	394	3.18	767	M0222 11. _N_-__1.0B--	59	143TC
141	12.37	437	2.91	776	M0222 12. _N_-__1.0B--	59	143TC
125	14.05	496	2.62	812	M0222 14. _N_-__1.0B--	59	143TC
110	15.97	564	2.41	832	M0222 16. _N_-__1.0B--	59	143TC
100	17.58	620	2.21	873	M0222 18. _N_-__1.0B--	59	143TC
87	20.23	714	1.97	900	M0222 20. _N_-__1.0B--	59	143TC
80	21.99	776	1.82	900	M0222 22. _N_-__1.0B--	59	143TC
66	26.40	932	1.51	900	M0222 28. _N_-__1.0B--	59	143TC
55	31.68	1118	1.26	900	M0222 32. _N_-__1.0B--	59	143TC
49	35.69	1260	1.12	900	M0222 36. _N_-__1.0B--	59	143TC
42	41.49	1464	0.96	900	M0222 45. _N_-__1.0B--	59	143TC
37	47.09	1662	0.85	900	M0222 50. _N_-__1.0B--	59	143TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

1.00 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
157	11.15	394	3.81	562	M0322 11. _N_-__1.0B--	59	143TC
141	12.37	437	3.57	552	M0322 12. _N_-__1.0B--	59	143TC
125	14.05	496	3.27	570	M0322 14. _N_-__1.0B--	59	143TC
110	15.97	564	3.05	560	M0322 16. _N_-__1.0B--	59	143TC
100	17.58	620	2.80	588	M0322 18. _N_-__1.0B--	59	143TC
87	20.23	714	2.56	599	M0322 20. _N_-__1.0B--	59	143TC
80	21.99	776	2.38	627	M0322 22. _N_-__1.0B--	59	143TC
66	26.40	932	1.99	680	M0322 28. _N_-__1.0B--	59	143TC
55	31.68	1118	1.65	680	M0322 32. _N_-__1.0B--	59	143TC
49	35.69	1260	1.47	680	M0322 36. _N_-__1.0B--	59	143TC
42	41.49	1464	1.18	680	M0322 45. _N_-__1.0B--	59	143TC
37	47.09	1662	1.06	680	M0322 50. _N_-__1.0B--	59	143TC
33	53.54	1890	0.96	680	M0322 56. _N_-__1.0B--	59	143TC
31	57.03	1992	0.93	680	M0332 56. _N_-__1.0B--	62	143TC
28	62.87	2196	0.84	680	M0332 63. _N_-__1.0B--	62	143TC
80	22.00	776	3.86	1358	M0422 22. _N_-__1.0B--	78	143TC
64	27.30	964	3.11	1462	M0422 28. _N_-__1.0B--	78	143TC
54	32.19	1136	2.64	1547	M0422 32. _N_-__1.0B--	78	143TC
50	35.25	1244	2.41	1586	M0422 36. _N_-__1.0B--	78	143TC
41	43.20	1525	1.97	1610	M0422 45. _N_-__1.0B--	78	143TC
36	48.15	1699	1.77	1610	M0422 50. _N_-__1.0B--	78	143TC
32	54.00	1906	1.25	1610	M0422 56. _N_-__1.0B--	78	143TC
30	58.38	2039	1.41	1610	M0432 56. _N_-__1.0B--	79	143TC
27	64.29	2246	1.32	1610	M0432 63. _N_-__1.0B--	79	143TC
24	73.95	2583	1.16	1610	M0432 71. _N_-__1.0B--	79	143TC
22	80.40	2809	1.07	1610	M0432 80. _N_-__1.0B--	79	143TC
18	96.52	3372	0.89	1610	M0432 100 _N_-__1.0B--	79	143TC
54	32.19	1136	3.50	1217	M0522 32. _N_-__1.0B--	78	143TC
50	35.25	1244	3.20	1227	M0522 36. _N_-__1.0B--	78	143TC
41	43.20	1525	2.43	1356	M0522 45. _N_-__1.0B--	78	143TC
36	48.15	1699	1.98	1520	M0522 50. _N_-__1.0B--	78	143TC
32	54.00	1906	1.25	1620	M0522 56. _N_-__1.0B--	78	143TC
30	58.38	2039	1.95	1620	M0532 56. _N_-__1.0B--	79	143TC
27	64.29	2246	1.77	1620	M0532 63. _N_-__1.0B--	79	143TC
24	73.95	2583	1.54	1620	M0532 71. _N_-__1.0B--	79	143TC
22	80.40	2809	1.42	1620	M0532 80. _N_-__1.0B--	79	143TC
18	96.52	3372	1.18	1620	M0532 100 _N_-__1.0B--	79	143TC
15	115.80	4045	0.98	1620	M0532 112 _N_-__1.0B--	79	143TC
13	130.50	4559	0.87	1620	M0532 125 _N_-__1.0B--	79	143TC
44	39.86	1407	3.94	1620	M0622 36. _N_-__1.0B--	88	143TC
40	43.64	1540	3.60	1620	M0622 45. _N_-__1.0B--	88	143TC
33	53.49	1888	2.43	1620	M0622 50. _N_-__1.0B--	88	143TC
29	59.61	2104	1.98	1620	M0622 56. _N_-__1.0B--	88	143TC
26	66.86	2360	1.25	1620	M0622 63. _N_-__1.0B--	88	143TC
24	72.28	2525	2.10	1620	M0632 63. _N_-__1.0B--	89	143TC
22	79.60	2781	1.89	1620	M0632 71. _N_-__1.0B--	89	143TC
19	91.56	3199	1.71	1620	M0632 80. _N_-__1.0B--	89	143TC
18	99.54	3477	1.59	1620	M0632 100 _N_-__1.0B--	89	143TC
15	119.50	4175	1.33	1620	M0632 112 _N_-__1.0B--	89	143TC
12	143.40	5010	1.11	1620	M0632 125 _N_-__1.0B--	89	143TC
11	161.60	5645	0.98	1620	M0632 160 _N_-__1.0B--	89	143TC
9.3	187.80	6561	0.84	1620	M0632 180 _N_-__1.0B--	89	143TC
36	48.56	1714	3.62	2250	M0722 50. _N_-__1.0B--	116	143TC
32	53.96	1904	2.77	2250	M0722 56. _N_-__1.0B--	116	143TC
30	58.95	2059	3.13	2250	M0732 56. _N_-__1.0B--	118	143TC
28	62.83	2195	2.98	2250	M0732 63. _N_-__1.0B--	118	143TC
23	74.47	2602	2.61	2250	M0732 71. _N_-__1.0B--	118	143TC
22	79.51	2778	2.49	2250	M0732 80. _N_-__1.0B--	118	143TC
18	98.66	3447	2.16	2250	M0732 100 _N_-__1.0B--	118	143TC
15	116.30	4063	1.89	2250	M0732 112 _N_-__1.0B--	118	143TC
14	127.40	4451	1.73	2250	M0732 125 _N_-__1.0B--	118	143TC
11	156.10	5453	1.41	2250	M0732 160 _N_-__1.0B--	118	143TC
10	174.00	6078	1.26	2250	M0732 180 _N_-__1.0B--	118	143TC
9.0	195.20	6819	1.13	2250	M0732 200 _N_-__1.0B--	118	143TC
7.6	229.03	7836	1.00	2250	M0742 225 _N_-__1.0B--	138	143TC
6.7	259.72	8886	0.88	2250	M0742 250 _N_-__1.0B--	138	143TC
6.1	286.47	9801	0.80	2250	M0742 280 _N_-__1.0B--	138	143TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

1.00 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
15	119.20	4164	3.60	3640	M0832 112 _N_-__1.0B--	190	143TC
13	130.90	4573	3.28	3640	M0832 125 _N_-__1.0B--	190	143TC
11	160.40	5603	2.68	3640	M0832 160 _N_-__1.0B--	190	143TC
10	175.20	6120	2.45	3640	M0832 180 _N_-__1.0B--	190	143TC
8.7	201.80	7050	2.13	3640	M0832 200 _N_-__1.0B--	190	143TC
7.6	228.91	7832	1.92	3640	M0842 225 _N_-__1.0B--	240	143TC
6.8	258.98	8861	1.69	3640	M0842 250 _N_-__1.0B--	240	143TC
5.8	301.21	10306	1.46	3640	M0842 280 _N_-__1.0B--	240	143TC
5.2	337.01	11530	1.30	3640	M0842 300 _N_-__1.0B--	240	143TC
4.9	359.19	12289	1.22	3640	M0842 360 _N_-__1.0B--	240	143TC
4.1	425.69	14564	1.03	3640	M0842 400 _N_-__1.0B--	240	143TC
3.6	480.51	16440	0.91	3640	M0842 450 _N_-__1.0B--	240	143TC
3.4	513.04	17553	0.85	3640	M0842 500 _N_-__1.0B--	240	143TC
7.5	231.85	7932	3.47	4610	M0942 225 _N_-__1.0B--	360	143TC
6.8	258.09	8830	3.11	4610	M0942 250 _N_-__1.0B--	360	143TC
6.1	286.69	9809	2.80	4610	M0942 280 _N_-__1.0B--	360	143TC
5.8	300.18	10270	2.68	4610	M0942 300 _N_-__1.0B--	360	143TC
4.9	357.95	12247	2.25	4610	M0942 360 _N_-__1.0B--	360	143TC
4.4	397.69	13606	2.02	4610	M0942 400 _N_-__1.0B--	360	143TC
3.9	452.94	15497	1.77	4610	M0942 450 _N_-__1.0B--	360	143TC
3.5	503.22	17217	1.60	4610	M0942 500 _N_-__1.0B--	360	143TC
2.6	665.75	22778	1.21	4610	M0942 650 _N_-__1.0B--	360	143TC
2.4	736.35	25193	1.09	4610	M0942 730 _N_-__1.0B--	360	143TC
2.0	882.06	30178	0.91	4610	M0942 860 _N_-__1.0B--	360	143TC
5.7	309.32	10583	4.00	6740	M1042 300 _N_-__1.0B--	476	143TC
4.8	365.56	12507	3.38	6740	M1042 360 _N_-__1.0B--	476	143TC
4.4	398.71	13641	3.10	6740	M1042 400 _N_-__1.0B--	476	143TC
3.8	457.22	15643	2.70	6740	M1042 450 _N_-__1.0B--	476	143TC
3.5	500.94	17139	2.47	6740	M1042 500 _N_-__1.0B--	476	143TC
2.8	635.68	21749	1.94	6740	M1042 650 _N_-__1.0B--	476	143TC
2.4	727.99	24907	1.70	6740	M1042 730 _N_-__1.0B--	476	143TC
2.1	844.72	28901	1.46	6740	M1042 860 _N_-__1.0B--	476	143TC
1.8	987.84	33798	1.25	6740	M1042 10C _N_-__1.0B--	476	143TC
1.6	1107.30	37885	1.12	6740	M1042 11C _N_-__1.0B--	476	143TC
1.3	1320.72	45187	0.94	6740	M1042 13C _N_-__1.0B--	476	143TC
1.2	1495.76	51175	0.83	6740	M1042 15C _N_-__1.0B--	476	143TC
2.6	664.21	22725	3.78	12300	M1342 650 _N_-__1.0B--	710	143TC
2.4	729.13	24946	3.44	12300	M1342 730 _N_-__1.0B--	710	143TC
2.0	860.03	29425	2.92	12300	M1342 860 _N_-__1.0B--	710	143TC
1.8	997.11	34115	2.52	12300	M1342 10C _N_-__1.0B--	710	143TC
1.6	1067.83	36534	2.35	12300	M1342 11C _N_-__1.0B--	710	143TC
1.3	1302.41	44560	1.93	12300	M1342 13C _N_-__1.0B--	710	143TC
1.2	1521.33	52050	1.65	12300	M1342 15C _N_-__1.0B--	710	143TC
1.0	1798.16	61522	1.40	12300	M1342 18C _N_-__1.0B--	710	143TC
1.0	1798.16	61522	1.40	12300	M1342 20C _N_-__1.0B--	710	143TC
0.75	2333.80	79848	1.08	12300	M1342 24C _N_-__1.0B--	710	143TC
0.60	2910.61	99582	0.86	12300	M1342 27C _N_-__1.0B--	710	143TC
2.1	852.89	29180	3.94	15300	M1442 860 _N_-__1.0B--	925	143TC
1.8	997.48	34127	3.37	15300	M1442 10C _N_-__1.0B--	925	143TC
1.5	1156.47	39567	2.91	15300	M1442 11C _N_-__1.0B--	925	143TC
1.4	1291.58	44190	2.60	15300	M1442 13C _N_-__1.0B--	925	143TC
1.2	1510.56	51682	2.23	15300	M1442 15C _N_-__1.0B--	925	143TC
1.0	1812.67	62018	1.85	15300	M1442 18C _N_-__1.0B--	925	143TC
0.88	1981.35	67789	1.70	15300	M1442 20C _N_-__1.0B--	925	143TC
0.72	2445.42	83667	1.37	15300	M1442 24C _N_-__1.0B--	925	143TC
0.64	2717.13	92963	1.24	15300	M1442 27C _N_-__1.0B--	925	143TC
0.64	2739.37	92737	1.24	15300	M1452 27C _N_-__1.0B--	928	143TC
0.53	3285.96	111241	1.03	15300	M1452 32C _N_-__1.0B--	928	143TC
0.49	3598.07	121807	0.94	15300	M1452 36C _N_-__1.0B--	928	143TC
0.44	3943.15	133489	0.86	15300	M1452 40C _N_-__1.0B--	928	143TC
0.64	2744.21	92901	1.97	22000	M1642 27C _N_-__1.0B--	1765	143TC
0.55	3181.23	107696	1.70	22000	M1642 32C _N_-__1.0B--	1765	143TC
0.50	3494.46	118299	1.55	22000	M1642 36C _N_-__1.0B--	1765	143TC
0.48	3665.81	124100	1.47	22000	M1642 40C _N_-__1.0B--	1765	143TC
0.36	4812.35	162915	1.12	22000	M1642 46C _N_-__1.0B--	1765	143TC
0.30	5774.82	195498	0.94	22000	M1642 55C _N_-__1.0B--	1765	143TC
0.27	6440.06	218018	0.84	22000	M1642 65C _N_-__1.0B--	1765	143TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

1.50 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
467	3.75	199	2.48	282	M0122 3.6 _N_-__1.5B--	60	145TC
345	5.07	268	2.10	282	M0122 5.0 _N_-__1.5B--	60	145TC
304	5.76	305	1.95	285	M0122 5.6 _N_-__1.5B--	60	145TC
268	6.53	346	1.80	288	M0122 6.3 _N_-__1.5B--	60	145TC
210	8.35	442	1.55	294	M0122 8.0 _N_-__1.5B--	60	145TC
195	9.00	476	1.45	292	M0122 9.0 _N_-__1.5B--	60	145TC
154	11.36	601	1.20	306	M0122 11. _N_-__1.5B--	60	145TC
136	12.88	682	1.09	323	M0122 12. _N_-__1.5B--	60	145TC
119	14.71	779	0.98	334	M0122 14. _N_-__1.5B--	60	145TC
107	16.37	867	0.90	346	M0122 16. _N_-__1.5B--	60	145TC
97	18.05	956	0.83	382	M0122 18. _N_-__1.5B--	60	145TC
348	5.03	267	3.61	760	M0222 5.0 _N_-__1.5B--	69	145TC
315	5.55	294	3.41	755	M0222 5.6 _N_-__1.5B--	69	145TC
278	6.30	333	3.18	738	M0222 6.3 _N_-__1.5B--	69	145TC
219	8.00	424	2.74	715	M0222 8.0 _N_-__1.5B--	69	145TC
193	9.09	481	2.49	719	M0222 9.0 _N_-__1.5B--	69	145TC
157	11.15	590	2.12	733	M0222 11. _N_-__1.5B--	69	145TC
141	12.37	655	1.94	742	M0222 12. _N_-__1.5B--	69	145TC
125	14.05	744	1.75	776	M0222 14. _N_-__1.5B--	69	145TC
110	15.97	845	1.61	796	M0222 16. _N_-__1.5B--	69	145TC
100	17.58	931	1.47	835	M0222 18. _N_-__1.5B--	69	145TC
87	20.23	1071	1.32	871	M0222 20. _N_-__1.5B--	69	145TC
80	21.99	1164	1.21	900	M0222 22. _N_-__1.5B--	69	145TC
66	26.40	1398	1.01	900	M0222 28. _N_-__1.5B--	69	145TC
55	31.68	1677	0.84	900	M0222 32. _N_-__1.5B--	69	145TC
315	5.55	294	3.98	617	M0322 5.6 _N_-__1.5B--	69	145TC
278	6.30	333	3.69	600	M0322 6.3 _N_-__1.5B--	69	145TC
219	8.00	424	3.16	573	M0322 8.0 _N_-__1.5B--	69	145TC
193	9.09	481	2.91	562	M0322 9.0 _N_-__1.5B--	69	145TC
157	11.15	590	2.54	537	M0322 11. _N_-__1.5B--	69	145TC
141	12.37	655	2.38	528	M0322 12. _N_-__1.5B--	69	145TC
125	14.05	744	2.18	545	M0322 14. _N_-__1.5B--	69	145TC
110	15.97	845	2.03	535	M0322 16. _N_-__1.5B--	69	145TC
100	17.58	931	1.87	562	M0322 18. _N_-__1.5B--	69	145TC
87	20.23	1071	1.71	573	M0322 20. _N_-__1.5B--	69	145TC
80	21.99	1164	1.59	600	M0322 22. _N_-__1.5B--	69	145TC
66	26.40	1398	1.32	680	M0322 28. _N_-__1.5B--	69	145TC
55	31.68	1677	1.10	680	M0322 32. _N_-__1.5B--	69	145TC
49	35.69	1889	0.98	680	M0322 36. _N_-__1.5B--	69	145TC
120	14.58	772	3.67	1165	M0422 14. _N_-__1.5B--	88	145TC
107	16.31	863	3.39	1178	M0422 16. _N_-__1.5B--	88	145TC
101	17.39	921	3.17	1215	M0422 18. _N_-__1.5B--	88	145TC
85	20.61	1091	2.74	1274	M0422 20. _N_-__1.5B--	88	145TC
80	22.00	1165	2.58	1298	M0422 22. _N_-__1.5B--	88	145TC
64	27.30	1445	2.08	1398	M0422 28. _N_-__1.5B--	88	145TC
54	32.19	1704	1.76	1479	M0422 32. _N_-__1.5B--	88	145TC
50	35.25	1866	1.61	1517	M0422 36. _N_-__1.5B--	88	145TC
41	43.20	2287	1.31	1610	M0422 45. _N_-__1.5B--	88	145TC
36	48.15	2549	1.18	1610	M0422 50. _N_-__1.5B--	88	145TC
32	54.00	2859	0.84	1610	M0422 56. _N_-__1.5B--	88	145TC
30	58.38	3059	0.94	1610	M0432 56. _N_-__1.5B--	89	145TC
27	64.29	3369	0.88	1610	M0432 63. _N_-__1.5B--	89	145TC
85	20.61	1091	3.65	760	M0522 20. _N_-__1.5B--	88	145TC
80	22.00	1165	3.42	817	M0522 22. _N_-__1.5B--	88	145TC
64	27.30	1445	2.75	1009	M0522 28. _N_-__1.5B--	88	145TC
54	32.19	1704	2.34	1164	M0522 32. _N_-__1.5B--	88	145TC
50	35.25	1866	2.13	1174	M0522 36. _N_-__1.5B--	88	145TC
41	43.20	2287	1.62	1297	M0522 45. _N_-__1.5B--	88	145TC
36	48.15	2549	1.32	1453	M0522 50. _N_-__1.5B--	88	145TC
32	54.00	2859	0.84	1588	M0522 56. _N_-__1.5B--	88	145TC
30	58.38	3059	1.30	1620	M0532 56. _N_-__1.5B--	89	145TC
27	64.29	3369	1.18	1620	M0532 63. _N_-__1.5B--	89	145TC
24	73.95	3875	1.03	1620	M0532 71. _N_-__1.5B--	89	145TC
22	80.40	4213	0.94	1620	M0532 80. _N_-__1.5B--	89	145TC
64	27.24	1442	3.84	1620	M0622 28. _N_-__1.5B--	98	145TC
52	33.80	1789	3.10	1620	M0622 32. _N_-__1.5B--	98	145TC
44	39.86	2110	2.63	1620	M0622 36. _N_-__1.5B--	98	145TC
40	43.64	2310	2.40	1620	M0622 45. _N_-__1.5B--	98	145TC
33	53.49	2832	1.62	1620	M0622 50. _N_-__1.5B--	98	145TC
29	59.61	3156	1.32	1620	M0622 56. _N_-__1.5B--	98	145TC
26	66.86	3540	0.84	1620	M0622 63. _N_-__1.5B--	98	145TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

1.50 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
24	72.28	3788	1.40	1620	M0632 63. _N_-__1.5B--	99	145TC
22	79.60	4171	1.26	1620	M0632 71. _N_-__1.5B--	99	145TC
19	91.56	4798	1.14	1620	M0632 80. _N_-__1.5B--	99	145TC
18	99.54	5216	1.06	1620	M0632 100 _N_-__1.5B--	99	145TC
15	119.50	6262	0.88	1620	M0632 112 _N_-__1.5B--	99	145TC
50	35.17	1862	3.95	1559	M0722 36. _N_-__1.5B--	126	145TC
41	42.21	2235	3.36	1451	M0722 45. _N_-__1.5B--	126	145TC
36	48.56	2571	2.41	2071	M0722 50. _N_-__1.5B--	126	145TC
32	53.96	2857	1.84	2250	M0722 56. _N_-__1.5B--	126	145TC
30	58.95	3089	2.08	2250	M0732 56. _N_-__1.5B--	128	145TC
28	62.83	3292	1.98	2250	M0732 63. _N_-__1.5B--	128	145TC
23	74.47	3902	1.74	2250	M0732 71. _N_-__1.5B--	128	145TC
22	79.51	4166	1.66	2250	M0732 80. _N_-__1.5B--	128	145TC
18	98.66	5170	1.44	2250	M0732 100 _N_-__1.5B--	128	145TC
15	116.30	6094	1.26	2250	M0732 112 _N_-__1.5B--	128	145TC
14	127.40	6676	1.15	2250	M0732 125 _N_-__1.5B--	128	145TC
11	156.10	8180	0.94	2250	M0732 160 _N_-__1.5B--	128	145TC
10	174.00	9118	0.84	2250	M0732 180 _N_-__1.5B--	128	145TC
26.5	66.02	3459	3.99	3640	M0832 63. _N_-__1.5B--	186	145TC
23.4	74.69	3914	3.65	3640	M0832 71. _N_-__1.5B--	186	145TC
20.8	84.31	4418	3.35	3640	M0832 80. _N_-__1.5B--	186	145TC
17.1	102.20	5355	2.80	3640	M0832 100 _N_-__1.5B--	186	145TC
14.7	119.20	6246	2.40	3640	M0832 112 _N_-__1.5B--	186	145TC
13.4	130.90	6859	2.19	3640	M0832 125 _N_-__1.5B--	186	145TC
10.9	160.40	8405	1.78	3640	M0832 160 _N_-__1.5B--	186	145TC
10.0	175.20	9181	1.63	3640	M0832 180 _N_-__1.5B--	186	145TC
8.7	201.80	10574	1.42	3640	M0832 200 _N_-__1.5B--	186	145TC
7.6	228.91	11748	1.28	3640	M0842 225 _N_-__1.5B--	250	145TC
6.8	258.98	13291	1.13	3640	M0842 250 _N_-__1.5B--	250	145TC
5.8	301.21	15458	0.97	3640	M0842 280 _N_-__1.5B--	250	145TC
5.2	337.01	17295	0.87	3640	M0842 300 _N_-__1.5B--	250	145TC
4.9	359.19	18434	0.81	3640	M0842 360 _N_-__1.5B--	250	145TC
11.1	157.10	8232	3.34	4610	M0932 160 _N_-__1.5B--	335	145TC
10.2	171.60	8992	3.06	4610	M0932 180 _N_-__1.5B--	335	145TC
8.9	197.50	10349	2.66	4610	M0932 200 _N_-__1.5B--	335	145TC
7.5	231.85	11899	2.31	4610	M0942 225 _N_-__1.5B--	370	145TC
6.8	258.09	13245	2.08	4610	M0942 250 _N_-__1.5B--	370	145TC
6.1	286.69	14713	1.87	4610	M0942 280 _N_-__1.5B--	370	145TC
5.8	300.18	15405	1.79	4610	M0942 300 _N_-__1.5B--	370	145TC
4.9	357.95	18370	1.50	4610	M0942 360 _N_-__1.5B--	370	145TC
4.4	397.69	20409	1.35	4610	M0942 400 _N_-__1.5B--	370	145TC
3.9	452.94	23245	1.18	4610	M0942 450 _N_-__1.5B--	370	145TC
3.5	503.22	25825	1.06	4610	M0942 500 _N_-__1.5B--	370	145TC
2.6	665.75	34167	0.80	4501	M0942 650 _N_-__1.5B--	370	145TC
7.9	220.22	11302	3.74	6740	M1042 225 _N_-__1.5B--	486	145TC
6.9	254.58	13065	3.24	6740	M1042 250 _N_-__1.5B--	486	145TC
6.3	278.36	14285	2.96	6740	M1042 280 _N_-__1.5B--	486	145TC
5.7	309.32	15874	2.66	6740	M1042 300 _N_-__1.5B--	486	145TC
4.8	365.56	18760	2.25	6740	M1042 360 _N_-__1.5B--	486	145TC
4.4	398.71	20462	2.07	6740	M1042 400 _N_-__1.5B--	486	145TC
3.8	457.22	23465	1.80	6740	M1042 450 _N_-__1.5B--	486	145TC
3.5	500.94	25708	1.65	6740	M1042 500 _N_-__1.5B--	486	145TC
2.8	635.68	32623	1.30	6740	M1042 650 _N_-__1.5B--	486	145TC
2.4	727.99	37361	1.13	6740	M1042 730 _N_-__1.5B--	486	145TC
2.1	844.72	43351	0.98	6740	M1042 860 _N_-__1.5B--	486	145TC
1.8	987.84	50696	0.83	6740	M1042 10C _N_-__1.5B--	486	145TC
4.2	418.46	21476	4.00	12300	M1342 400 _N_-__1.5B--	720	145TC
3.6	482.96	24786	3.47	12300	M1342 450 _N_-__1.5B--	720	145TC
3.2	546.05	28024	3.07	12300	M1342 500 _N_-__1.5B--	720	145TC
2.6	664.21	34087	2.52	12300	M1342 650 _N_-__1.5B--	720	145TC
2.4	729.13	37419	2.30	12300	M1342 730 _N_-__1.5B--	720	145TC
2.0	860.03	44137	1.95	12300	M1342 860 _N_-__1.5B--	720	145TC
1.8	997.11	51172	1.68	12300	M1342 10C _N_-__1.5B--	720	145TC
1.6	1067.83	54801	1.57	12300	M1342 11C _N_-__1.5B--	720	145TC
1.3	1302.41	66840	1.29	12300	M1342 13C _N_-__1.5B--	720	145TC
1.2	1521.33	78075	1.10	12300	M1342 15C _N_-__1.5B--	720	145TC
1.0	1798.16	92282	0.93	12300	M1342 18C _N_-__1.5B--	720	145TC
1.0	1798.16	92282	0.93	12300	M1342 20C _N_-__1.5B--	720	145TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

1.50 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
2.7	656.00	33666	3.42	15300	M1442 650 _N_-__1.5B--	935	145TC
2.3	754.34	38713	2.97	15300	M1442 730 _N_-__1.5B--	935	145TC
2.1	852.89	43770	2.63	15300	M1442 860 _N_-__1.5B--	935	145TC
1.8	997.48	51191	2.25	15300	M1442 10C _N_-__1.5B--	935	145TC
1.5	1156.47	59350	1.94	15300	M1442 11C _N_-__1.5B--	935	145TC
1.4	1291.58	66284	1.73	15300	M1442 13C _N_-__1.5B--	935	145TC
1.2	1510.56	77522	1.48	15300	M1442 15C _N_-__1.5B--	935	145TC
1.0	1812.67	93027	1.24	15300	M1442 18C _N_-__1.5B--	935	145TC
0.88	1981.35	101684	1.13	15300	M1442 20C _N_-__1.5B--	935	145TC
0.72	2445.42	125500	0.92	15300	M1442 24C _N_-__1.5B--	935	145TC
0.64	2717.13	139444	0.82	15300	M1442 27C _N_-__1.5B--	935	145TC
0.64	2744.21	139351	1.31	22000	M1652 27C _N_-__1.5B--	1775	145TC
0.55	3181.23	161543	1.13	22000	M1652 32C _N_-__1.5B--	1775	145TC
0.50	3494.46	177449	1.03	22000	M1652 36C _N_-__1.5B--	1775	145TC
0.48	3665.81	186150	0.98	22000	M1652 40C _N_-__1.5B--	1775	145TC

2.00 HP

4 Pole 1750 rpm nominal input speed

467	3.75	265	1.86	273	M0122 3.6 _N_-__2.0B--	60	145TC
345	5.07	358	1.57	273	M0122 5.0 _N_-__2.0B--	60	145TC
304	5.76	407	1.46	276	M0122 5.6 _N_-__2.0B--	60	145TC
268	6.53	461	1.35	279	M0122 6.3 _N_-__2.0B--	60	145TC
210	8.35	589	1.16	285	M0122 8.0 _N_-__2.0B--	60	145TC
195	9.00	635	1.09	283	M0122 9.0 _N_-__2.0B--	60	145TC
154	11.36	802	0.90	297	M0122 11. _N_-__2.0B--	60	145TC
136	12.88	909	0.82	313	M0122 12. _N_-__2.0B--	60	145TC
488	3.59	253	3.29	775	M0222 3.6 _N_-__2.0B--	69	145TC
348	5.03	355	2.71	736	M0222 5.0 _N_-__2.0B--	69	145TC
315	5.55	392	2.55	732	M0222 5.6 _N_-__2.0B--	69	145TC
278	6.30	445	2.38	715	M0222 6.3 _N_-__2.0B--	69	145TC
219	8.00	565	2.05	693	M0222 8.0 _N_-__2.0B--	69	145TC
193	9.09	642	1.87	696	M0222 9.0 _N_-__2.0B--	69	145TC
157	11.15	787	1.59	710	M0222 11. _N_-__2.0B--	69	145TC
141	12.37	873	1.45	719	M0222 12. _N_-__2.0B--	69	145TC
125	14.05	992	1.31	752	M0222 14. _N_-__2.0B--	69	145TC
110	15.97	1127	1.21	771	M0222 16. _N_-__2.0B--	69	145TC
100	17.58	1241	1.10	809	M0222 18. _N_-__2.0B--	69	145TC
87	20.23	1428	0.99	844	M0222 20. _N_-__2.0B--	69	145TC
80	21.99	1552	0.91	881	M0222 22. _N_-__2.0B--	69	145TC
488	3.59	253	3.91	651	M0322 3.6 _N_-__2.0B--	69	145TC
348	5.03	355	3.18	608	M0322 5.0 _N_-__2.0B--	69	145TC
315	5.55	392	2.99	598	M0322 5.6 _N_-__2.0B--	69	145TC
278	6.30	445	2.77	582	M0322 6.3 _N_-__2.0B--	69	145TC
219	8.00	565	2.37	555	M0322 8.0 _N_-__2.0B--	69	145TC
193	9.09	642	2.18	545	M0322 9.0 _N_-__2.0B--	69	145TC
157	11.15	787	1.91	521	M0322 11. _N_-__2.0B--	69	145TC
141	12.37	873	1.79	512	M0322 12. _N_-__2.0B--	69	145TC
125	14.05	992	1.63	528	M0322 14. _N_-__2.0B--	69	145TC
110	15.97	1127	1.53	519	M0322 16. _N_-__2.0B--	69	145TC
100	17.58	1241	1.40	545	M0322 18. _N_-__2.0B--	69	145TC
87	20.23	1428	1.28	555	M0322 20. _N_-__2.0B--	69	145TC
80	21.99	1552	1.19	581	M0322 22. _N_-__2.0B--	69	145TC
66	26.40	1864	0.99	679	M0322 28. _N_-__2.0B--	69	145TC
55	31.68	2236	0.83	666	M0322 32. _N_-__2.0B--	69	145TC
140	12.54	885	3.11	1104	M0422 12. _N_-__2.0B--	88	145TC
120	14.58	1029	2.75	1129	M0422 14. _N_-__2.0B--	88	145TC
107	16.31	1151	2.54	1141	M0422 16. _N_-__2.0B--	88	145TC
101	17.39	1228	2.38	1177	M0422 18. _N_-__2.0B--	88	145TC
85	20.61	1455	2.06	1234	M0422 20. _N_-__2.0B--	88	145TC
80	22.00	1553	1.93	1258	M0422 22. _N_-__2.0B--	88	145TC
64	27.30	1927	1.56	1354	M0422 28. _N_-__2.0B--	88	145TC
54	32.19	2272	1.32	1433	M0422 32. _N_-__2.0B--	88	145TC
50	35.25	2488	1.21	1470	M0422 36. _N_-__2.0B--	88	145TC
41	43.20	3049	0.98	1567	M0422 45. _N_-__2.0B--	88	145TC
36	48.15	3399	0.88	1578	M0422 50. _N_-__2.0B--	88	145TC
120	14.58	1029	3.87	449	M0522 14. _N_-__2.0B--	88	145TC
107	16.31	1151	3.46	541	M0522 16. _N_-__2.0B--	88	145TC
101	17.39	1228	3.24	594	M0522 18. _N_-__2.0B--	88	145TC
85	20.61	1455	2.74	736	M0522 20. _N_-__2.0B--	88	145TC
80	22.00	1553	2.56	792	M0522 22. _N_-__2.0B--	88	145TC
64	27.30	1927	2.07	978	M0522 28. _N_-__2.0B--	88	145TC
54	32.19	2272	1.75	1127	M0522 32. _N_-__2.0B--	88	145TC
50	35.25	2488	1.60	1137	M0522 36. _N_-__2.0B--	88	145TC
41	43.20	3049	1.21	1256	M0522 45. _N_-__2.0B--	88	145TC
36	48.15	3399	0.99	1408	M0522 50. _N_-__2.0B--	88	145TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

2.00 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
30	58.38	4079	0.98	1620	M0532 56. _N_-__2.0B--	89	145TC
27	64.29	4492	0.89	1620	M0532 63. _N_-__2.0B--	89	145TC
113	15.52	1096	4.26	1620	M0622 14. _N_-__2.0B--	98	145TC
97	18.05	1274	4.14	1602	M0622 16. _N_-__2.0B--	98	145TC
87	20.20	1426	3.89	1602	M0622 18. _N_-__2.0B--	98	145TC
81	21.53	1520	3.65	1620	M0622 20. _N_-__2.0B--	98	145TC
69	25.51	1801	3.08	1620	M0622 22. _N_-__2.0B--	98	145TC
64	27.24	1923	2.88	1620	M0622 28. _N_-__2.0B--	98	145TC
52	33.80	2386	2.32	1620	M0622 32. _N_-__2.0B--	98	145TC
44	39.86	2814	1.97	1620	M0622 36. _N_-__2.0B--	98	145TC
40	43.64	3080	1.80	1620	M0622 45. _N_-__2.0B--	98	145TC
33	53.49	3776	1.21	1620	M0622 50. _N_-__2.0B--	98	145TC
29	59.61	4208	0.99	1620	M0622 56. _N_-__2.0B--	98	145TC
24	72.28	5050	1.05	1620	M0632 63. _N_-__2.0B--	99	145TC
22	79.60	5561	0.95	1620	M0632 71. _N_-__2.0B--	99	145TC
19	91.56	6397	0.85	1620	M0632 80. _N_-__2.0B--	99	145TC
65	26.93	1901	3.77	1493	M0722 28. _N_-__2.0B--	126	145TC
54	32.12	2267	3.22	1558	M0722 32. _N_-__2.0B--	126	145TC
50	35.17	2483	2.96	1510	M0722 36. _N_-__2.0B--	126	145TC
41	42.21	2980	2.52	1406	M0722 45. _N_-__2.0B--	126	145TC
36	48.56	3428	1.81	2007	M0722 50. _N_-__2.0B--	126	145TC
32	53.96	3809	1.38	2250	M0722 56. _N_-__2.0B--	126	145TC
30	58.95	4119	1.56	2250	M0732 56. _N_-__2.0B--	128	145TC
28	62.83	4390	1.49	2250	M0732 63. _N_-__2.0B--	128	145TC
23	74.47	5203	1.30	2250	M0732 71. _N_-__2.0B--	128	145TC
22	79.51	5555	1.25	2250	M0732 80. _N_-__2.0B--	128	145TC
18	98.66	6893	1.08	2250	M0732 100 _N_-__2.0B--	128	145TC
15	116.30	8126	0.95	2250	M0732 112 _N_-__2.0B--	128	145TC
14	127.40	8901	0.86	2250	M0732 125 _N_-__2.0B--	128	145TC
31	55.80	3939	3.43	3640	M0822 56. _N_-__2.0B--	196	145TC
29	60.33	4215	3.18	3640	M0832 56. _N_-__2.0B--	186	145TC
27	66.02	4613	2.99	3640	M0832 63. _N_-__2.0B--	186	145TC
23	74.69	5218	2.74	3640	M0832 71. _N_-__2.0B--	186	145TC
21	84.31	5891	2.51	3640	M0832 80. _N_-__2.0B--	186	145TC
17	102.20	7140	2.10	3640	M0832 100 _N_-__2.0B--	186	145TC
15	119.20	8328	1.80	3640	M0832 112 _N_-__2.0B--	186	145TC
13	130.90	9146	1.64	3640	M0832 125 _N_-__2.0B--	186	145TC
11	160.40	11207	1.34	3640	M0832 160 _N_-__2.0B--	186	145TC
10	175.20	12241	1.23	3640	M0832 180 _N_-__2.0B--	186	145TC
8.7	201.80	14099	1.06	3640	M0832 200 _N_-__2.0B--	186	145TC
7.6	228.91	15664	0.96	3623	M0842 225 _N_-__2.0B--	250	145TC
6.8	258.98	17721	0.85	3574	M0842 250 _N_-__2.0B--	250	145TC
17	100.10	6994	3.93	4610	M0932 100 _N_-__2.0B--	335	145TC
15	116.70	8154	3.37	4610	M0932 112 _N_-__2.0B--	335	145TC
14	128.20	8957	3.07	4610	M0932 125 _N_-__2.0B--	335	145TC
11	157.10	10976	2.51	4610	M0932 160 _N_-__2.0B--	335	145TC
10	171.60	11989	2.29	4610	M0932 180 _N_-__2.0B--	335	145TC
8.9	197.50	13799	1.99	4610	M0932 200 _N_-__2.0B--	335	145TC
7.5	231.85	15865	1.73	4610	M0942 225 _N_-__2.0B--	370	145TC
6.8	258.09	17660	1.56	4610	M0942 250 _N_-__2.0B--	370	145TC
6.1	286.69	19617	1.40	4610	M0942 280 _N_-__2.0B--	370	145TC
5.8	300.18	20540	1.34	4610	M0942 300 _N_-__2.0B--	370	145TC
4.9	357.95	24494	1.12	4610	M0942 360 _N_-__2.0B--	370	145TC
4.4	397.69	27213	1.01	4610	M0942 400 _N_-__2.0B--	370	145TC
3.9	452.94	30993	0.89	4610	M0942 450 _N_-__2.0B--	370	145TC
3.5	503.22	34434	0.80	4610	M0942 500 _N_-__2.0B--	370	145TC
7.9	220.22	15069	2.81	6740	M1042 225 _N_-__2.0B--	486	145TC
6.9	254.58	17787	2.38	6740	M1042 250 _N_-__2.0B--	486	145TC
6.3	278.36	19448	2.18	6740	M1042 280 _N_-__2.0B--	486	145TC
5.7	309.32	21611	1.96	6740	M1042 300 _N_-__2.0B--	486	145TC
4.8	365.56	25541	1.66	6740	M1042 360 _N_-__2.0B--	486	145TC
4.4	398.71	27857	1.52	6740	M1042 400 _N_-__2.0B--	486	145TC
3.8	457.22	31945	1.32	6740	M1042 450 _N_-__2.0B--	486	145TC
3.5	500.94	35000	1.21	6740	M1042 500 _N_-__2.0B--	486	145TC
2.8	635.68	44413	0.95	6740	M1042 650 _N_-__2.0B--	486	145TC
2.4	727.99	50863	0.83	6740	M1042 730 _N_-__2.0B--	486	145TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

2.00 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
5.4	323.18	22114	3.88	12300	M1342 300 _N_-__2.0B--	720	145TC
4.7	370.11	25326	3.39	12300	M1342 360 _N_-__2.0B--	720	145TC
4.2	418.46	28634	3.00	12300	M1342 400 _N_-__2.0B--	720	145TC
3.6	482.96	33047	2.60	12300	M1342 450 _N_-__2.0B--	720	145TC
3.2	546.05	37365	2.30	12300	M1342 500 _N_-__2.0B--	720	145TC
2.6	664.21	45450	1.89	12300	M1342 650 _N_-__2.0B--	720	145TC
2.4	729.13	49892	1.72	12300	M1342 730 _N_-__2.0B--	720	145TC
2.0	860.03	58850	1.46	12300	M1342 860 _N_-__2.0B--	720	145TC
1.8	997.11	68230	1.26	12300	M1342 10C _N_-__2.0B--	720	145TC
1.6	1067.83	73069	1.18	12300	M1342 11C _N_-__2.0B--	720	145TC
1.3	1302.41	89120	0.96	12300	M1342 13C _N_-__2.0B--	720	145TC
1.2	1521.33	104100	0.83	12300	M1342 15C _N_-__2.0B--	720	145TC
3.8	459.33	31430	3.66	15300	M1442 450 _N_-__2.0B--	935	145TC
3.5	506.63	34668	3.32	15300	M1442 500 _N_-__2.0B--	935	145TC
2.7	656.00	44888	2.56	15300	M1442 650 _N_-__2.0B--	935	145TC
2.3	754.34	51617	2.23	15300	M1442 730 _N_-__2.0B--	935	145TC
2.1	852.89	58361	1.97	15300	M1442 860 _N_-__2.0B--	935	145TC
1.8	997.48	68255	1.68	15300	M1442 10C _N_-__2.0B--	935	145TC
1.5	1156.47	79134	1.45	15300	M1442 11C _N_-__2.0B--	935	145TC
1.4	1291.58	88379	1.30	15300	M1442 13C _N_-__2.0B--	935	145TC
1.2	1510.56	103363	1.11	15300	M1442 15C _N_-__2.0B--	935	145TC
1.0	1812.67	124036	0.93	15300	M1442 18C _N_-__2.0B--	935	145TC
0.88	1981.35	135578	0.85	15300	M1442 20C _N_-__2.0B--	935	145TC
0.64	2744.21	185802	0.98	22000	M1652 27C _N_-__2.0B--	1775	145TC
0.55	3181.23	215391	0.85	22000	M1652 32C _N_-__2.0B--	1775	145TC

3.00 HP

4 Pole 1750 rpm nominal input speed

467	3.75	397	1.24	261	M0122 3.6 _N_-__3.0B--	78	182TC
345	5.07	536	1.05	261	M0122 5.0 _N_-__3.0B--	78	182TC
304	5.76	610	0.97	264	M0122 5.6 _N_-__3.0B--	78	182TC
268	6.53	691	0.90	267	M0122 6.3 _N_-__3.0B--	78	182TC
488	3.59	380	2.19	741	M0222 3.6 _N_-__3.0B--	86	182TC
348	5.03	533	1.81	704	M0222 5.0 _N_-__3.0B--	86	182TC
315	5.55	587	1.70	700	M0222 5.6 _N_-__3.0B--	86	182TC
278	6.30	667	1.59	684	M0222 6.3 _N_-__3.0B--	86	182TC
219	8.00	847	1.37	663	M0222 8.0 _N_-__3.0B--	86	182TC
193	9.09	962	1.25	666	M0222 9.0 _N_-__3.0B--	86	182TC
157	11.15	1181	1.06	679	M0222 11. _N_-__3.0B--	86	182TC
141	12.37	1310	0.97	688	M0222 12. _N_-__3.0B--	86	182TC
125	14.05	1488	0.87	719	M0222 14. _N_-__3.0B--	86	182TC
488	3.59	380	2.61	622	M0322 3.6 _N_-__3.0B--	86	182TC
348	5.03	533	2.12	581	M0322 5.0 _N_-__3.0B--	86	182TC
315	5.55	587	1.99	572	M0322 5.6 _N_-__3.0B--	86	182TC
278	6.30	667	1.84	556	M0322 6.3 _N_-__3.0B--	86	182TC
219	8.00	847	1.58	531	M0322 8.0 _N_-__3.0B--	86	182TC
193	9.09	962	1.45	521	M0322 9.0 _N_-__3.0B--	86	182TC
157	11.15	1181	1.27	498	M0322 11. _N_-__3.0B--	86	182TC
141	12.37	1310	1.19	489	M0322 12. _N_-__3.0B--	86	182TC
125	14.05	1488	1.09	505	M0322 14. _N_-__3.0B--	86	182TC
347	5.04	534	3.69	976	M0422 5.0 _N_-__3.0B--	118	182TC
310	5.65	598	3.46	980	M0422 5.6 _N_-__3.0B--	118	182TC
276	6.34	671	3.25	990	M0422 6.3 _N_-__3.0B--	118	182TC
217	8.05	853	2.81	1009	M0422 8.0 _N_-__3.0B--	118	182TC
192	9.13	967	2.61	1022	M0422 9.0 _N_-__3.0B--	118	182TC
161	10.89	1153	2.32	1036	M0422 11. _N_-__3.0B--	118	182TC
140	12.54	1328	2.07	1056	M0422 12. _N_-__3.0B--	118	182TC
120	14.58	1544	1.83	1080	M0422 14. _N_-__3.0B--	118	182TC
107	16.31	1727	1.70	1092	M0422 16. _N_-__3.0B--	118	182TC
101	17.39	1841	1.59	1126	M0422 18. _N_-__3.0B--	118	182TC
85	20.61	2182	1.37	1180	M0422 20. _N_-__3.0B--	118	182TC
80	22.00	2329	1.29	1203	M0422 22. _N_-__3.0B--	118	182TC
64	27.30	2891	1.04	1295	M0422 28. _N_-__3.0B--	118	182TC
54	32.19	3408	0.88	1371	M0422 32. _N_-__3.0B--	118	182TC
50	35.25	3732	0.80	1406	M0422 36. _N_-__3.0B--	118	182TC
161	10.89	1153	3.45	280	M0522 11. _N_-__3.0B--	119	182TC
140	12.54	1328	2.84	470	M0522 12. _N_-__3.0B--	119	182TC
120	14.58	1544	2.58	429	M0522 14. _N_-__3.0B--	119	182TC
107	16.31	1727	2.30	517	M0522 16. _N_-__3.0B--	119	182TC
101	17.39	1841	2.16	568	M0522 18. _N_-__3.0B--	119	182TC
85	20.61	2182	1.82	704	M0522 20. _N_-__3.0B--	119	182TC
80	22.00	2329	1.71	757	M0522 22. _N_-__3.0B--	119	182TC
64	27.30	2891	1.38	935	M0522 28. _N_-__3.0B--	119	182TC
54	32.19	3408	1.17	1078	M0522 32. _N_-__3.0B--	119	182TC
50	35.25	3732	1.07	1088	M0522 36. _N_-__3.0B--	119	182TC
41	43.20	4574	0.81	1202	M0522 45. _N_-__3.0B--	119	182TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

3.00 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
130	13.48	1427	3.74	1214	M0622 12. _N_-__3.0B--	128	182TC
113	15.52	1643	2.84	1620	M0622 14. _N_-__3.0B--	128	182TC
97	18.05	1911	2.76	1532	M0622 16. _N_-__3.0B--	128	182TC
87	20.20	2139	2.59	1532	M0622 18. _N_-__3.0B--	128	182TC
81	21.53	2280	2.43	1610	M0622 20. _N_-__3.0B--	128	182TC
69	25.51	2701	2.05	1620	M0622 22. _N_-__3.0B--	128	182TC
64	27.24	2884	1.92	1620	M0622 28. _N_-__3.0B--	128	182TC
52	33.80	3579	1.55	1620	M0622 32. _N_-__3.0B--	128	182TC
44	39.86	4220	1.31	1620	M0622 36. _N_-__3.0B--	128	182TC
40	43.64	4621	1.20	1620	M0622 45. _N_-__3.0B--	128	182TC
33	53.49	5664	0.81	1620	M0622 50. _N_-__3.0B--	128	182TC
108	16.26	1722	3.94	983	M0722 16. _N_-__3.0B--	154	182TC
98	17.94	1900	3.60	1025	M0722 18. _N_-__3.0B--	154	182TC
85	20.54	2175	3.21	1148	M0722 20. _N_-__3.0B--	154	182TC
75	23.23	2460	2.87	1269	M0722 22. _N_-__3.0B--	154	182TC
65	26.93	2851	2.51	1428	M0722 28. _N_-__3.0B--	154	182TC
54	32.12	3401	2.14	1490	M0722 32. _N_-__3.0B--	154	182TC
50	35.17	3724	1.98	1444	M0722 36. _N_-__3.0B--	154	182TC
41	42.21	4469	1.68	1344	M0722 45. _N_-__3.0B--	154	182TC
36	48.56	5142	1.21	1919	M0722 50. _N_-__3.0B--	154	182TC
32	53.96	5713	0.92	2230	M0722 56. _N_-__3.0B--	154	182TC
30	58.95	6178	1.04	2250	M0732 56. _N_-__3.0B--	156	182TC
28	62.83	6585	0.99	2250	M0732 63. _N_-__3.0B--	156	182TC
23	74.47	7805	0.87	2250	M0732 71. _N_-__3.0B--	156	182TC
22	79.51	8333	0.83	2250	M0732 80. _N_-__3.0B--	156	182TC
53	32.97	3491	3.87	2367	M0822 32. _N_-__3.0B--	211	182TC
48	36.21	3834	3.57	2450	M0822 36. _N_-__3.0B--	211	182TC
39	44.38	4699	3.00	2787	M0822 45. _N_-__3.0B--	211	182TC
36	48.46	5131	2.77	2942	M0822 50. _N_-__3.0B--	211	182TC
31	55.80	5908	2.28	3537	M0822 56. _N_-__3.0B--	211	182TC
29	60.33	6323	2.12	3640	M0832 56. _N_-__3.0B--	214	182TC
27	66.02	6919	1.99	3640	M0832 63. _N_-__3.0B--	214	182TC
23	74.69	7828	1.83	3640	M0832 71. _N_-__3.0B--	214	182TC
21	84.31	8836	1.68	3640	M0832 80. _N_-__3.0B--	214	182TC
17	102.20	10711	1.40	3640	M0832 100 _N_-__3.0B--	214	182TC
15	119.20	12492	1.20	3640	M0832 112 _N_-__3.0B--	214	182TC
13	130.90	13719	1.09	3640	M0832 125 _N_-__3.0B--	214	182TC
11	160.40	16810	0.89	3640	M0832 160 _N_-__3.0B--	214	182TC
10	175.20	18361	0.82	3640	M0832 180 _N_-__3.0B--	214	182TC
24	73.13	7664	3.59	4610	M0932 71. _N_-__3.0B--	350	182TC
21	82.55	8651	3.18	4610	M0932 80. _N_-__3.0B--	350	182TC
17	100.10	10491	2.62	4610	M0932 100 _N_-__3.0B--	350	182TC
15	116.70	12230	2.25	4610	M0932 112 _N_-__3.0B--	350	182TC
14	128.20	13436	2.05	4610	M0932 125 _N_-__3.0B--	350	182TC
11	157.10	16464	1.67	4610	M0932 160 _N_-__3.0B--	350	182TC
10	171.60	17984	1.53	4610	M0932 180 _N_-__3.0B--	350	182TC
8.9	197.50	20698	1.33	4610	M0932 200 _N_-__3.0B--	350	182TC
7.5	231.85	23797	1.16	4610	M0942 225 _N_-__3.0B--	402	182TC
6.8	258.09	26490	1.04	4610	M0942 250 _N_-__3.0B--	402	182TC
6.1	286.69	29426	0.93	4610	M0942 280 _N_-__3.0B--	402	182TC
5.8	300.18	30810	0.89	4610	M0942 300 _N_-__3.0B--	402	182TC
15.4	114.00	11947	3.54	6740	M1032 112 _N_-__3.0B--	550	182TC
13.9	125.80	13184	3.21	6740	M1032 125 _N_-__3.0B--	550	182TC
11.4	152.90	16024	2.64	6740	M1032 160 _N_-__3.0B--	550	182TC
10.1	173.10	18141	2.33	6740	M1032 180 _N_-__3.0B--	550	182TC
9.0	194.60	20394	2.07	6740	M1032 200 _N_-__3.0B--	550	182TC
7.9	220.22	22603	1.87	6740	M1042 225 _N_-__3.0B--	589	182TC
6.9	254.58	26130	1.62	6740	M1042 250 _N_-__3.0B--	589	182TC
6.3	278.36	28571	1.48	6740	M1042 280 _N_-__3.0B--	589	182TC
5.7	309.32	31748	1.33	6740	M1042 300 _N_-__3.0B--	589	182TC
4.8	365.56	37521	1.13	6740	M1042 360 _N_-__3.0B--	589	182TC
4.4	398.71	40924	1.03	6740	M1042 400 _N_-__3.0B--	589	182TC
3.8	457.22	46929	0.90	6740	M1042 450 _N_-__3.0B--	589	182TC
3.5	500.94	51417	0.82	6740	M1042 500 _N_-__3.0B--	589	182TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

3.00 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
7.8	224.86	23080	3.72	12300	M1342 225 _N_-__3.0B--	745	182TC
6.8	258.39	26521	3.24	12300	M1342 250 _N_-__3.0B--	745	182TC
6.1	289.16	29680	2.89	12300	M1342 280 _N_-__3.0B--	745	182TC
5.4	323.18	33171	2.59	12300	M1342 300 _N_-__3.0B--	745	182TC
4.7	370.11	37988	2.26	12300	M1342 360 _N_-__3.0B--	745	182TC
4.2	418.46	42951	2.00	12300	M1342 400 _N_-__3.0B--	745	182TC
3.6	482.96	49571	1.73	12300	M1342 450 _N_-__3.0B--	745	182TC
3.2	546.05	56047	1.53	12300	M1342 500 _N_-__3.0B--	745	182TC
2.6	664.21	68175	1.26	12300	M1342 650 _N_-__3.0B--	745	182TC
2.4	729.13	74839	1.15	12300	M1342 730 _N_-__3.0B--	745	182TC
2.0	860.03	88275	0.97	12300	M1342 860 _N_-__3.0B--	745	182TC
1.8	997.11	102344	0.84	12300	M1342 10C _N_-__3.0B--	745	182TC
5.2	337.68	34660	3.32	15300	M1442 300 _N_-__3.0B--	950	182TC
5.0	352.51	36182	3.18	15300	M1442 360 _N_-__3.0B--	950	182TC
4.3	405.06	41576	2.77	15300	M1442 400 _N_-__3.0B--	950	182TC
3.8	459.33	47146	2.44	15300	M1442 450 _N_-__3.0B--	950	182TC
3.5	506.63	52001	2.21	15300	M1442 500 _N_-__3.0B--	950	182TC
2.7	656.00	67333	1.71	15300	M1442 650 _N_-__3.0B--	950	182TC
2.3	754.34	77426	1.49	15300	M1442 730 _N_-__3.0B--	950	182TC
2.1	852.89	87541	1.31	15300	M1442 860 _N_-__3.0B--	950	182TC
1.8	997.48	102382	1.12	15300	M1442 10C _N_-__3.0B--	950	182TC
1.5	1156.47	118701	0.97	15300	M1442 11C _N_-__3.0B--	950	182TC
1.4	1291.58	132569	0.87	15300	M1442 13C _N_-__3.0B--	950	182TC
3.9	445.37	45713	4.00	22000	M1642 450 _N_-__3.0B--	1755	182TC
3.5	504.17	51748	3.54	22000	M1642 500 _N_-__3.0B--	1755	182TC
2.7	646.71	66379	2.76	22000	M1642 650 _N_-__3.0B--	1755	182TC
2.4	718.50	73747	2.48	22000	M1642 730 _N_-__3.0B--	1755	182TC
2.0	858.67	88135	2.08	22000	M1642 860 _N_-__3.0B--	1755	182TC
1.7	1014.91	104171	1.76	22000	M1642 10C _N_-__3.0B--	1755	182TC
1.6	1120.43	115002	1.59	22000	M1642 11C _N_-__3.0B--	1755	182TC
1.3	1337.59	137291	1.33	22000	M1642 13C _N_-__3.0B--	1755	182TC
1.2	1504.08	154380	1.19	22000	M1642 15C _N_-__3.0B--	1755	182TC
1.0	1842.04	189068	0.97	22000	M1642 18C _N_-__3.0B--	1755	182TC
0.9	1952.97	200454	0.91	22000	M1642 20C _N_-__3.0B--	1755	182TC

5.00 HP

4 Pole 1750 rpm nominal input speed

488	3.59	633	1.32	701	M0222 3.6 _N_-__5.0B--	108	184TC
348	5.03	888	1.08	666	M0222 5.0 _N_-__5.0B--	108	184TC
315	5.55	979	1.02	662	M0222 5.6 _N_-__5.0B--	108	184TC
278	6.30	1112	0.95	647	M0222 6.3 _N_-__5.0B--	108	184TC
219	8.00	1412	0.82	626	M0222 8.0 _N_-__5.0B--	108	184TC
488	3.59	633	1.56	588	M0322 3.6 _N_-__5.0B--	109	184TC
348	5.03	888	1.27	549	M0322 5.0 _N_-__5.0B--	109	184TC
315	5.55	979	1.20	541	M0322 5.6 _N_-__5.0B--	109	184TC
278	6.30	1112	1.11	526	M0322 6.3 _N_-__5.0B--	109	184TC
219	8.00	1412	0.95	502	M0322 8.0 _N_-__5.0B--	109	184TC
193	9.09	1604	0.87	493	M0322 9.0 _N_-__5.0B--	109	184TC
488	3.59	633	2.67	919	M0422 3.6 _N_-__5.0B--	140	184TC
347	5.04	889	2.21	922	M0422 5.0 _N_-__5.0B--	140	184TC
310	5.65	997	2.08	927	M0422 5.6 _N_-__5.0B--	140	184TC
276	6.34	1119	1.95	936	M0422 6.3 _N_-__5.0B--	140	184TC
217	8.05	1421	1.69	953	M0422 8.0 _N_-__5.0B--	140	184TC
192	9.13	1611	1.56	966	M0422 9.0 _N_-__5.0B--	140	184TC
161	10.89	1922	1.39	980	M0422 11. _N_-__5.0B--	140	184TC
140	12.54	2213	1.24	999	M0422 12. _N_-__5.0B--	140	184TC
120	14.58	2573	1.10	1021	M0422 14. _N_-__5.0B--	140	184TC
107	16.31	2878	1.02	1032	M0422 16. _N_-__5.0B--	140	184TC
101	17.39	3069	0.95	1064	M0422 18. _N_-__5.0B--	140	184TC
85	20.61	3637	0.82	1116	M0422 20. _N_-__5.0B--	140	184TC
347	5.04	889	3.76	308	M0522 5.0 _N_-__5.0B--	140	184TC
310	5.65	997	3.54	240	M0522 5.6 _N_-__5.0B--	140	184TC
276	6.34	1119	3.26	213	M0522 6.3 _N_-__5.0B--	140	184TC
217	8.05	1421	2.80	128	M0522 8.0 _N_-__5.0B--	140	184TC
192	9.13	1611	2.47	184	M0522 9.0 _N_-__5.0B--	140	184TC
161	10.89	1922	2.07	264	M0522 11. _N_-__5.0B--	140	184TC
140	12.54	2213	1.70	444	M0522 12. _N_-__5.0B--	140	184TC
120	14.58	2573	1.55	406	M0522 14. _N_-__5.0B--	140	184TC
107	16.31	2878	1.38	489	M0522 16. _N_-__5.0B--	140	184TC
101	17.39	3069	1.30	537	M0522 18. _N_-__5.0B--	140	184TC
85	20.61	3637	1.09	666	M0522 20. _N_-__5.0B--	140	184TC
80	22.00	3882	1.03	716	M0522 22. _N_-__5.0B--	140	184TC
64	27.30	4818	0.83	884	M0522 28. _N_-__5.0B--	140	184TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

5.00 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
280	6.24	1101	3.75	1342	M0622 5.6 _N_-__5.0B--	150	184TC
250	6.99	1234	3.54	1276	M0622 6.3 _N_-__5.0B--	150	184TC
223	7.85	1385	3.27	1253	M0622 8.0 _N_-__5.0B--	150	184TC
176	9.97	1759	2.89	1090	M0622 9.0 _N_-__5.0B--	150	184TC
155	11.30	1994	2.64	1074	M0622 11. _N_-__5.0B--	150	184TC
130	13.48	2379	2.24	1148	M0622 12. _N_-__5.0B--	150	184TC
113	15.52	2739	1.71	1601	M0622 14. _N_-__5.0B--	150	184TC
97	18.05	3185	1.66	1448	M0622 16. _N_-__5.0B--	150	184TC
87	20.20	3565	1.55	1449	M0622 18. _N_-__5.0B--	150	184TC
81	21.53	3799	1.46	1522	M0622 20. _N_-__5.0B--	150	184TC
69	25.51	4502	1.23	1620	M0622 22. _N_-__5.0B--	150	184TC
64	27.24	4807	1.15	1620	M0622 28. _N_-__5.0B--	150	184TC
52	33.80	5965	0.93	1620	M0622 32. _N_-__5.0B--	150	184TC
213	8.22	1450	3.75	1157	M0722 8.0 _N_-__5.0B--	176	184TC
187	9.34	1649	3.47	1101	M0722 9.0 _N_-__5.0B--	176	184TC
154	11.35	2003	3.08	1007	M0722 11. _N_-__5.0B--	176	184TC
140	12.48	2202	2.89	955	M0722 12. _N_-__5.0B--	176	184TC
122	14.34	2531	2.59	872	M0722 14. _N_-__5.0B--	176	184TC
108	16.26	2869	2.37	929	M0722 16. _N_-__5.0B--	176	184TC
98	17.94	3166	2.16	969	M0722 18. _N_-__5.0B--	176	184TC
85	20.54	3625	1.93	1086	M0722 20. _N_-__5.0B--	176	184TC
75	23.23	4099	1.72	1200	M0722 22. _N_-__5.0B--	176	184TC
65	26.93	4752	1.51	1350	M0722 28. _N_-__5.0B--	176	184TC
54	32.12	5668	1.29	1408	M0722 32. _N_-__5.0B--	176	184TC
50	35.17	6206	1.19	1365	M0722 36. _N_-__5.0B--	176	184TC
41	42.21	7449	1.01	1271	M0722 45. _N_-__5.0B--	176	184TC
96	18.26	3222	3.76	1689	M0822 18. _N_-__5.0B--	233	184TC
85	20.66	3646	3.46	1650	M0822 20. _N_-__5.0B--	233	184TC
75	23.32	4115	3.13	1769	M0822 22. _N_-__5.0B--	233	184TC
62	28.27	4989	2.65	2037	M0822 28. _N_-__5.0B--	233	184TC
53	32.97	5818	2.32	2238	M0822 32. _N_-__5.0B--	233	184TC
48	36.21	6390	2.14	2316	M0822 36. _N_-__5.0B--	233	184TC
39	44.38	7832	1.80	2635	M0822 45. _N_-__5.0B--	233	184TC
36	48.46	8552	1.66	2781	M0822 50. _N_-__5.0B--	233	184TC
31	55.80	9847	1.37	3344	M0822 56. _N_-__5.0B--	233	184TC
29	60.33	10538	1.27	3460	M0832 56. _N_-__5.0B--	236	184TC
27	66.02	11532	1.20	3611	M0832 63. _N_-__5.0B--	236	184TC
23	74.69	13046	1.10	3640	M0832 71. _N_-__5.0B--	236	184TC
21	84.31	14726	1.01	3640	M0832 80. _N_-__5.0B--	236	184TC
17	102.20	17851	0.84	3640	M0832 100 _N_-__5.0B--	236	184TC
49	35.67	6295	3.92	3603	M0922 36. _N_-__5.0B--	340	184TC
40	43.35	7650	3.32	4040	M0922 45. _N_-__5.0B--	340	184TC
36	49.07	8659	2.92	4489	M0922 50. _N_-__5.0B--	340	184TC
32	55.18	9738	2.41	4610	M0922 56. _N_-__5.0B--	340	184TC
30	59.07	10318	2.66	4610	M0932 56. _N_-__5.0B--	372	184TC
27	64.64	11291	2.44	4610	M0932 63. _N_-__5.0B--	372	184TC
24	73.13	12774	2.15	4610	M0932 71. _N_-__5.0B--	372	184TC
21	82.55	14419	1.91	4610	M0932 80. _N_-__5.0B--	372	184TC
17	100.10	17484	1.57	4610	M0932 100 _N_-__5.0B--	372	184TC
15	116.70	20384	1.35	4610	M0932 112 _N_-__5.0B--	372	184TC
14	128.20	22393	1.23	4610	M0932 125 _N_-__5.0B--	372	184TC
11	157.10	27441	1.00	4610	M0932 160 _N_-__5.0B--	372	184TC
10	171.60	29973	0.92	4610	M0932 180 _N_-__5.0B--	372	184TC
8.9	197.50	34497	0.80	4610	M0932 200 _N_-__5.0B--	372	184TC
7.5	231.85	40497	0.68	4418	M0942 225 _N_-__5.0B--	424	184TC
6.8	258.09	45080	0.61	4366	M0942 250 _N_-__5.0B--	424	184TC
6.1	286.69	50076	0.55	4316	M0942 280 _N_-__5.0B--	424	184TC
5.8	300.18	52432	0.52	4294	M0942 300 _N_-__5.0B--	424	184TC
4.9	357.95	62524	0.44	4212	M0942 360 _N_-__5.0B--	424	184TC
30	57.63	10066	4.01	6740	M1032 56. _N_-__5.0B--	458	184TC
27	65.24	11395	3.68	6740	M1032 63. _N_-__5.0B--	458	184TC
24	72.62	12684	3.33	6740	M1032 71. _N_-__5.0B--	458	184TC
22	80.68	14092	3.00	6740	M1032 80. _N_-__5.0B--	458	184TC
18	98.68	17236	2.45	6740	M1032 100 _N_-__5.0B--	458	184TC
15	114.00	19912	2.12	6740	M1032 112 _N_-__5.0B--	458	184TC
14	125.80	21973	1.93	6740	M1032 125 _N_-__5.0B--	458	184TC
11	152.90	26707	1.58	6740	M1032 160 _N_-__5.0B--	458	184TC
10	173.10	30235	1.40	6740	M1032 180 _N_-__5.0B--	458	184TC
9.0	194.60	33991	1.24	6740	M1032 200 _N_-__5.0B--	458	184TC
7.9	220.22	37672	1.12	6740	M1042 225 _N_-__5.0B--	536	184TC
6.9	254.58	43551	0.97	6740	M1042 250 _N_-__5.0B--	536	184TC
6.3	278.36	47618	0.89	6740	M1042 280 _N_-__5.0B--	536	184TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

5.00 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
13	132.56	23154	3.71	12300	M1332 125 _N_-__5.0B--	657	184TC
11	153.81	26866	3.20	12300	M1332 160 _N_-__5.0B--	657	184TC
9.8	179.28	31315	2.74	12300	M1332 180 _N_-__5.0B--	657	184TC
9.1	192.61	33643	2.48	12300	M1332 200 _N_-__5.0B--	657	184TC
7.8	224.86	38467	2.23	12300	M1342 225 _N_-__5.0B--	757	184TC
6.8	258.39	44202	1.94	12300	M1342 250 _N_-__5.0B--	757	184TC
6.1	289.16	49466	1.74	12300	M1342 280 _N_-__5.0B--	757	184TC
5.4	323.18	55286	1.55	12300	M1342 300 _N_-__5.0B--	757	184TC
4.7	370.11	63314	1.36	12300	M1342 360 _N_-__5.0B--	757	184TC
4.2	418.46	71586	1.20	12300	M1342 400 _N_-__5.0B--	757	184TC
3.6	482.96	82619	1.04	12300	M1342 450 _N_-__5.0B--	757	184TC
3.2	546.05	93412	0.92	12300	M1342 500 _N_-__5.0B--	757	184TC
9.5	184.80	32279	3.56	15300	M1432 180 _N_-__5.0B--	832	184TC
8.8	198.60	34689	3.32	15300	M1432 200 _N_-__5.0B--	832	184TC
7.7	228.38	39068	2.94	15300	M1442 225 _N_-__5.0B--	972	184TC
6.7	262.43	44893	2.56	15300	M1442 250 _N_-__5.0B--	972	184TC
6.3	276.86	47361	2.43	15300	M1442 280 _N_-__5.0B--	972	184TC
5.2	337.68	57767	1.99	15300	M1442 300 _N_-__5.0B--	972	184TC
5.0	352.51	60303	1.91	15300	M1442 360 _N_-__5.0B--	972	184TC
4.3	405.06	69293	1.66	15300	M1442 400 _N_-__5.0B--	972	184TC
3.8	459.33	78576	1.46	15300	M1442 450 _N_-__5.0B--	972	184TC
3.5	506.63	86669	1.33	15300	M1442 500 _N_-__5.0B--	972	184TC
2.7	656.00	112221	1.02	15300	M1442 650 _N_-__5.0B--	972	184TC
2.3	754.34	129043	0.89	15300	M1442 730 _N_-__5.0B--	972	184TC
6.1	285.80	48891	3.74	22000	M1642 280 _N_-__5.0B--	1777	184TC
5.4	323.53	55345	3.31	22000	M1642 300 _N_-__5.0B--	1777	184TC
4.9	360.14	61609	2.97	22000	M1642 360 _N_-__5.0B--	1777	184TC
4.4	400.12	68447	2.67	22000	M1642 400 _N_-__5.0B--	1777	184TC
3.9	445.37	76189	2.40	22000	M1642 450 _N_-__5.0B--	1777	184TC
3.5	504.17	86247	2.12	22000	M1642 500 _N_-__5.0B--	1777	184TC
2.7	646.71	110632	1.65	22000	M1642 650 _N_-__5.0B--	1777	184TC
2.4	718.50	122912	1.49	22000	M1642 730 _N_-__5.0B--	1777	184TC
2.0	858.67	146892	1.25	22000	M1642 860 _N_-__5.0B--	1777	184TC
1.7	1014.91	173618	1.05	22000	M1642 10C _N_-__5.0B--	1777	184TC
1.6	1120.43	191670	0.95	22000	M1642 11C _N_-__5.0B--	1777	184TC
1.3	1337.59	228818	0.80	22000	M1642 13C _N_-__5.0B--	1777	184TC

7.50 HP

4 Pole 1750 rpm nominal input speed

488	3.59	949	1.78	879	M0422 3.6 _N_-__7.5B--	185	213TC
347	5.04	1334	1.48	882	M0422 5.0 _N_-__7.5B--	185	213TC
310	5.65	1495	1.38	886	M0422 5.6 _N_-__7.5B--	185	213TC
276	6.34	1678	1.30	895	M0422 6.3 _N_-__7.5B--	185	213TC
217	8.05	2132	1.13	912	M0422 8.0 _N_-__7.5B--	185	213TC
192	9.13	2416	1.04	924	M0422 9.0 _N_-__7.5B--	185	213TC
161	10.89	2883	0.93	937	M0422 11. _N_-__7.5B--	185	213TC
488	3.59	949	2.73	627	M0522 3.6 _N_-__7.5B--	187	213TC
347	5.04	1334	2.50	294	M0522 5.0 _N_-__7.5B--	187	213TC
310	5.65	1495	2.36	230	M0522 5.6 _N_-__7.5B--	187	213TC
276	6.34	1678	2.17	204	M0522 6.3 _N_-__7.5B--	187	213TC
217	8.05	2132	1.87	122	M0522 8.0 _N_-__7.5B--	187	213TC
192	9.13	2416	1.65	176	M0522 9.0 _N_-__7.5B--	187	213TC
161	10.89	2883	1.38	253	M0522 11. _N_-__7.5B--	187	213TC
394	4.44	1175	2.72	1620	M0622 5.0 _N_-__7.5B--	187	213TC
280	6.24	1652	2.50	1283	M0622 5.6 _N_-__7.5B--	187	213TC
250	6.99	1851	2.36	1220	M0622 6.3 _N_-__7.5B--	187	213TC
223	7.85	2078	2.18	1198	M0622 8.0 _N_-__7.5B--	187	213TC
176	9.97	2639	1.92	1042	M0622 9.0 _N_-__7.5B--	187	213TC
155	11.30	2991	1.76	1027	M0622 11. _N_-__7.5B--	187	213TC
130	13.48	3568	1.50	1098	M0622 12. _N_-__7.5B--	187	213TC
476	3.68	974	2.77	1891	M0722 3.6 _N_-__7.5B--	214	213TC
344	5.09	1348	2.79	1702	M0722 5.0 _N_-__7.5B--	214	213TC
306	5.72	1515	2.79	1511	M0722 5.6 _N_-__7.5B--	214	213TC
278	6.29	1666	2.79	1343	M0722 6.3 _N_-__7.5B--	214	213TC
213	8.22	2175	2.50	1106	M0722 8.0 _N_-__7.5B--	214	213TC
187	9.34	2473	2.32	1053	M0722 9.0 _N_-__7.5B--	214	213TC
154	11.35	3004	2.05	963	M0722 11. _N_-__7.5B--	214	213TC
140	12.48	3304	1.93	914	M0722 12. _N_-__7.5B--	214	213TC
122	14.34	3796	1.73	834	M0722 14. _N_-__7.5B--	214	213TC
108	16.26	4304	1.58	888	M0722 16. _N_-__7.5B--	214	213TC
98	17.94	4749	1.44	926	M0722 18. _N_-__7.5B--	214	213TC
85	20.54	5437	1.29	1038	M0722 20. _N_-__7.5B--	214	213TC
75	23.23	6149	1.15	1147	M0722 22. _N_-__7.5B--	214	213TC
65	26.93	7129	1.01	1291	M0722 28. _N_-__7.5B--	214	213TC
54	32.12	8502	0.86	1347	M0722 32. _N_-__7.5B--	214	213TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

7.50 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
153	11.47	3036	3.59	1600	M0822 11. _N_-__7.5B--	286	213TC
135	12.92	3420	3.27	1607	M0822 12. _N_-__7.5B--	286	213TC
116	15.04	3981	2.94	1531	M0822 14. _N_-__7.5B--	286	213TC
105	16.69	4418	2.74	1508	M0822 16. _N_-__7.5B--	286	213TC
96	18.26	4834	2.50	1615	M0822 18. _N_-__7.5B--	286	213TC
85	20.66	5469	2.30	1578	M0822 20. _N_-__7.5B--	286	213TC
75	23.32	6173	2.09	1692	M0822 22. _N_-__7.5B--	286	213TC
62	28.27	7483	1.76	1948	M0822 28. _N_-__7.5B--	286	213TC
53	32.97	8727	1.55	2140	M0822 32. _N_-__7.5B--	286	213TC
48	36.21	9585	1.43	2215	M0822 36. _N_-__7.5B--	286	213TC
39	44.38	11748	1.20	2520	M0822 45. _N_-__7.5B--	286	213TC
36	48.46	12828	1.11	2660	M0822 50. _N_-__7.5B--	286	213TC
31	55.80	14771	0.91	3198	M0822 56. _N_-__7.5B--	286	213TC
85	20.59	5450	4.00	2900	M0922 20. _N_-__7.5B--	378	213TC
77	22.87	6054	3.72	2865	M0922 22. _N_-__7.5B--	378	213TC
63	27.98	7406	3.23	2912	M0922 28. _N_-__7.5B--	378	213TC
54	32.31	8553	2.85	3210	M0922 32. _N_-__7.5B--	378	213TC
49	35.67	9442	2.62	3446	M0922 36. _N_-__7.5B--	378	213TC
40	43.35	11475	2.21	3863	M0922 45. _N_-__7.5B--	378	213TC
36	49.07	12989	1.95	4294	M0922 50. _N_-__7.5B--	378	213TC
32	55.18	14606	1.61	4610	M0922 56. _N_-__7.5B--	378	213TC
30	59.07	15477	1.77	4408	M0932 56. _N_-__7.5B--	410	213TC
27	64.64	16936	1.62	4610	M0932 63. _N_-__7.5B--	410	213TC
24	73.13	19160	1.44	4610	M0932 71. _N_-__7.5B--	410	213TC
21	82.55	21628	1.27	4610	M0932 80. _N_-__7.5B--	410	213TC
17	100.10	26227	1.05	4610	M0932 100 _N_-__7.5B--	410	213TC
15	116.70	30576	0.90	4610	M0932 112 _N_-__7.5B--	410	213TC
14	128.20	33589	0.82	4610	M0932 125 _N_-__7.5B--	410	213TC
43	41.12	10885	4.07	4178	M1022 45. _N_-__7.5B--	445	213TC
37	47.93	12687	2.97	6740	M1022 50. _N_-__7.5B--	445	213TC
34	51.49	13630	2.51	6740	M1022 56. _N_-__7.5B--	445	213TC
30	57.63	15099	2.68	6740	M1032 56. _N_-__7.5B--	496	213TC
27	65.24	17093	2.45	6740	M1032 63. _N_-__7.5B--	496	213TC
24	72.62	19027	2.22	6740	M1032 71. _N_-__7.5B--	496	213TC
22	80.68	21138	2.00	6740	M1032 80. _N_-__7.5B--	496	213TC
18	98.68	25855	1.64	6740	M1032 100 _N_-__7.5B--	496	213TC
15	114.00	29868	1.42	6740	M1032 112 _N_-__7.5B--	496	213TC
14	125.80	32960	1.28	6740	M1032 125 _N_-__7.5B--	496	213TC
11	152.90	40060	1.06	6740	M1032 160 _N_-__7.5B--	496	213TC
10	173.10	45353	0.93	6740	M1032 180 _N_-__7.5B--	496	213TC
9.0	194.60	50986	0.83	6740	M1032 200 _N_-__7.5B--	496	213TC
22	80.68	21138	3.85	12300	M1332 80. _N_-__7.5B--	695	213TC
18	95.34	24979	3.40	12300	M1332 100 _N_-__7.5B--	695	213TC
15	115.08	30151	2.85	12300	M1332 112 _N_-__7.5B--	695	213TC
13	132.56	34731	2.47	12300	M1332 125 _N_-__7.5B--	695	213TC
11	153.81	40299	2.13	12300	M1332 160 _N_-__7.5B--	695	213TC
10	179.28	46972	1.83	12300	M1332 180 _N_-__7.5B--	695	213TC
9.1	192.61	50465	1.65	12300	M1332 200 _N_-__7.5B--	695	213TC
7.8	224.86	57700	1.49	12300	M1342 225 _N_-__7.5B--	795	213TC
6.8	258.39	66303	1.30	12300	M1342 250 _N_-__7.5B--	795	213TC
6.1	289.16	74199	1.16	12300	M1342 280 _N_-__7.5B--	795	213TC
5.4	323.18	82929	1.04	12300	M1342 300 _N_-__7.5B--	795	213TC
4.7	370.11	94971	0.90	12300	M1342 360 _N_-__7.5B--	795	213TC
4.2	418.46	107378	0.80	12300	M1342 400 _N_-__7.5B--	795	213TC
15	118.60	31074	3.70	15300	M1432 112 _N_-__7.5B--	892	213TC
13	136.70	35816	3.21	15300	M1432 125 _N_-__7.5B--	892	213TC
11	158.60	41554	2.77	15300	M1432 160 _N_-__7.5B--	892	213TC
9.5	184.80	48418	2.38	15300	M1432 180 _N_-__7.5B--	892	213TC
8.8	198.60	52034	2.21	15300	M1432 200 _N_-__7.5B--	892	213TC
7.7	228.38	58602	1.96	15300	M1442 225 _N_-__7.5B--	1010	213TC
6.7	262.43	67339	1.71	15300	M1442 250 _N_-__7.5B--	1010	213TC
6.3	276.86	71042	1.62	15300	M1442 280 _N_-__7.5B--	1010	213TC
5.2	337.68	86650	1.33	15300	M1442 300 _N_-__7.5B--	1010	213TC
5.0	352.51	90454	1.27	15300	M1442 360 _N_-__7.5B--	1010	213TC
4.3	405.06	103940	1.11	15300	M1442 400 _N_-__7.5B--	1010	213TC
3.8	459.33	117864	0.98	15300	M1442 450 _N_-__7.5B--	1010	213TC
3.5	506.63	130003	0.88	15300	M1442 500 _N_-__7.5B--	1010	213TC
10	175.60	46008	3.98	22000	M1632 180 _N_-__7.5B--	1465	213TC
8.9	197.00	51615	3.55	22000	M1632 200 _N_-__7.5B--	1465	213TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

7.50 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
7.6	228.84	58720	3.12	22000	M1642 225 _N_-__7.5B--	1815	213TC
6.6	264.58	67891	2.70	22000	M1642 250 _N_-__7.5B--	1815	213TC
6.1	285.80	73337	2.50	22000	M1642 280 _N_-__7.5B--	1815	213TC
5.4	323.53	83018	2.20	22000	M1642 300 _N_-__7.5B--	1815	213TC
4.9	360.14	92413	1.98	22000	M1642 360 _N_-__7.5B--	1815	213TC
4.4	400.12	102671	1.78	22000	M1642 400 _N_-__7.5B--	1815	213TC
3.9	445.37	114283	1.60	22000	M1642 450 _N_-__7.5B--	1815	213TC
3.5	504.17	129370	1.41	22000	M1642 500 _N_-__7.5B--	1815	213TC
2.7	646.71	165948	1.10	22000	M1642 650 _N_-__7.5B--	1815	213TC
2.4	718.50	184368	0.99	22000	M1642 730 _N_-__7.5B--	1815	213TC
2.0	858.67	220337	0.83	22000	M1642 860 _N_-__7.5B--	1815	213TC

10.0 HP

4 Pole 1750 rpm nominal input speed

488	3.59	1265	1.34	852	M0422 3.6 _N_-__10.B--	200	215TC
347	5.04	1779	1.11	855	M0422 5.0 _N_-__10.B--	200	215TC
310	5.65	1994	1.04	859	M0422 5.6 _N_-__10.B--	200	215TC
276	6.34	2238	0.97	867	M0422 6.3 _N_-__10.B--	200	215TC
217	8.05	2842	0.84	883	M0422 8.0 _N_-__10.B--	200	215TC
488	3.59	1265	2.05	607	M0522 3.6 _N_-__10.B--	202	215TC
347	5.04	1779	1.88	285	M0522 5.0 _N_-__10.B--	202	215TC
310	5.65	1994	1.77	223	M0522 5.6 _N_-__10.B--	202	215TC
276	6.34	2238	1.63	197	M0522 6.3 _N_-__10.B--	202	215TC
217	8.05	2842	1.40	118	M0522 8.0 _N_-__10.B--	202	215TC
192	9.13	3222	1.24	171	M0522 9.0 _N_-__10.B--	202	215TC
161	10.89	3844	1.04	245	M0522 11. _N_-__10.B--	202	215TC
394	4.44	1566	2.04	1752	M0622 5.0 _N_-__10.B--	213	215TC
280	6.24	2202	1.88	1736	M0622 5.6 _N_-__10.B--	213	215TC
250	6.99	2468	1.77	1555	M0622 6.3 _N_-__10.B--	213	215TC
223	7.85	2771	1.63	1224	M0622 8.0 _N_-__10.B--	213	215TC
176	9.97	3519	1.44	1156	M0622 9.0 _N_-__10.B--	213	215TC
155	11.30	3988	1.32	1134	M0622 11. _N_-__10.B--	213	215TC
130	13.48	4758	1.12	982	M0622 12. _N_-__10.B--	213	215TC
476	3.68	1298	2.08	1756	M0722 3.6 _N_-__10.B--	229	215TC
344	5.09	1798	2.09	1757	M0722 5.0 _N_-__10.B--	229	215TC
306	5.72	2020	2.09	1833	M0722 5.6 _N_-__10.B--	229	215TC
278	6.29	2221	2.09	1648	M0722 6.3 _N_-__10.B--	229	215TC
213	8.22	2900	1.88	1447	M0722 8.0 _N_-__10.B--	229	215TC
187	9.34	3298	1.74	1275	M0722 9.0 _N_-__10.B--	229	215TC
154	11.35	4006	1.54	1049	M0722 11. _N_-__10.B--	229	215TC
140	12.48	4405	1.44	1000	M0722 12. _N_-__10.B--	229	215TC
122	14.34	5061	1.29	916	M0722 14. _N_-__10.B--	229	215TC
108	16.26	5739	1.18	866	M0722 16. _N_-__10.B--	229	215TC
98	17.94	6332	1.08	792	M0722 18. _N_-__10.B--	229	215TC
85	20.54	7249	0.96	842	M0722 20. _N_-__10.B--	229	215TC
75	23.23	8199	0.86	876	M0722 22. _N_-__10.B--	229	215TC
476	3.68	1298	3.23	2560	M0822 3.6 _N_-__10.B--	302	215TC
336	5.21	1840	3.24	2560	M0822 5.0 _N_-__10.B--	302	215TC
302	5.79	2044	3.24	3039	M0822 5.6 _N_-__10.B--	302	215TC
272	6.44	2274	3.25	2857	M0822 6.3 _N_-__10.B--	302	215TC
210	8.33	2940	3.25	2653	M0822 8.0 _N_-__10.B--	302	215TC
187	9.35	3301	3.09	2400	M0822 9.0 _N_-__10.B--	302	215TC
153	11.47	4048	2.69	1740	M0822 11. _N_-__10.B--	302	215TC
135	12.92	4560	2.46	1601	M0822 12. _N_-__10.B--	302	215TC
116	15.04	5308	2.20	1516	M0822 14. _N_-__10.B--	302	215TC
105	16.69	5891	2.05	1526	M0822 16. _N_-__10.B--	302	215TC
96	18.26	6445	1.88	1458	M0822 18. _N_-__10.B--	302	215TC
85	20.66	7292	1.73	1434	M0822 20. _N_-__10.B--	302	215TC
75	23.32	8231	1.57	1534	M0822 22. _N_-__10.B--	302	215TC
62	28.27	9978	1.32	1485	M0822 28. _N_-__10.B--	302	215TC
53	32.97	11636	1.16	1586	M0822 32. _N_-__10.B--	302	215TC
48	36.21	12780	1.07	1844	M0822 36. _N_-__10.B--	302	215TC
39	44.38	15663	0.90	2017	M0822 45. _N_-__10.B--	302	215TC
36	48.46	17103	0.83	2087	M0822 50. _N_-__10.B--	302	215TC
107	16.34	5767	3.55	2897	M0922 16. _N_-__10.B--	423	215TC
95	18.50	6529	3.22	2866	M0922 18. _N_-__10.B--	423	215TC
85	20.59	7267	3.00	2753	M0922 20. _N_-__10.B--	423	215TC
77	22.87	8072	2.79	2798	M0922 22. _N_-__10.B--	423	215TC
63	27.98	9875	2.42	2744	M0922 28. _N_-__10.B--	423	215TC
54	32.31	11403	2.14	2696	M0922 32. _N_-__10.B--	423	215TC
49	35.67	12589	1.96	2757	M0922 36. _N_-__10.B--	423	215TC
40	43.35	15300	1.66	3024	M0922 45. _N_-__10.B--	423	215TC
36	49.07	17319	1.46	3232	M0922 50. _N_-__10.B--	423	215TC
32	55.18	19475	1.21	4610	M0922 56. _N_-__10.B--	423	215TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

10.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
30	59.07	20635	1.33	4116	M0932 56. _N_-__10.B--	455	215TC
27	64.64	22581	1.22	4711	M0932 63. _N_-__10.B--	455	215TC
24	73.13	25547	1.08	4610	M0932 71. _N_-__10.B--	455	215TC
21	82.55	28838	0.95	4610	M0932 80. _N_-__10.B--	455	215TC
57	30.76	10856	4.01	3064	M1022 32. _N_-__10.B--	490	215TC
49	35.44	12508	3.54	2919	M1022 36. _N_-__10.B--	490	215TC
43	41.12	14513	3.05	2793	M1022 45. _N_-__10.B--	490	215TC
37	47.93	16916	2.23	3134	M1022 50. _N_-__10.B--	490	215TC
34	51.49	18173	1.88	6740	M1022 56. _N_-__10.B--	490	215TC
30	57.63	20132	2.01	6740	M1032 56. _N_-__10.B--	541	215TC
27	65.24	22791	1.84	6740	M1032 63. _N_-__10.B--	541	215TC
24	72.62	25369	1.67	6740	M1032 71. _N_-__10.B--	541	215TC
22	80.68	28185	1.50	6740	M1032 80. _N_-__10.B--	541	215TC
18	98.68	34473	1.23	6740	M1032 100 _N_-__10.B--	541	215TC
15	114.00	39825	1.06	6740	M1032 112 _N_-__10.B--	541	215TC
14	125.80	43947	0.96	6740	M1032 125 _N_-__10.B--	541	215TC
35	50.70	17894	2.92	12300	M1322 50. _N_-__10.B--	694	215TC
32	53.94	19038	2.93	12300	M1322 56. _N_-__10.B--	694	215TC
29	59.76	20876	3.74	12300	M1332 56. _N_-__10.B--	740	215TC
26	66.40	23196	3.40	12300	M1332 63. _N_-__10.B--	740	215TC
24	72.60	25362	3.18	12300	M1332 71. _N_-__10.B--	740	215TC
22	80.68	28185	2.89	12300	M1332 80. _N_-__10.B--	740	215TC
18	95.34	33306	2.55	12300	M1332 100 _N_-__10.B--	740	215TC
15	115.08	40202	2.14	12300	M1332 112 _N_-__10.B--	740	215TC
13	132.56	46308	1.85	12300	M1332 125 _N_-__10.B--	740	215TC
11	153.81	53732	1.60	12300	M1332 160 _N_-__10.B--	740	215TC
10	179.28	62629	1.37	12300	M1332 180 _N_-__10.B--	740	215TC
9.1	192.61	67286	1.24	12300	M1332 200 _N_-__10.B--	740	215TC
7.8	224.86	76934	1.12	12300	M1342 225 _N_-__10.B--	840	215TC
6.8	258.39	88404	0.97	12300	M1342 250 _N_-__10.B--	840	215TC
6.1	289.16	98933	0.87	12300	M1342 280 _N_-__10.B--	840	215TC
21	83.17	29054	3.89	15300	M1432 80. _N_-__10.B--	937	215TC
18	98.30	34340	3.35	15300	M1432 100 _N_-__10.B--	937	215TC
15	118.60	41432	2.78	15300	M1432 112 _N_-__10.B--	937	215TC
13	136.70	47755	2.41	15300	M1432 125 _N_-__10.B--	937	215TC
11	158.60	55405	2.08	15300	M1432 160 _N_-__10.B--	937	215TC
9.5	184.80	64558	1.78	15300	M1432 180 _N_-__10.B--	937	215TC
8.8	198.60	69379	1.66	15300	M1432 200 _N_-__10.B--	937	215TC
7.7	228.38	78136	1.47	15300	M1442 225 _N_-__10.B--	1055	215TC
6.7	262.43	89785	1.28	15300	M1442 250 _N_-__10.B--	1055	215TC
6.3	276.86	94722	1.21	15300	M1442 280 _N_-__10.B--	1055	215TC
5.2	337.68	115534	1.00	15300	M1442 300 _N_-__10.B--	1055	215TC
5.0	352.51	120605	0.95	15300	M1442 360 _N_-__10.B--	1055	215TC
4.3	405.06	138587	0.83	15300	M1442 400 _N_-__10.B--	1055	215TC
12	149.80	52331	3.50	22000	M1632 160 _N_-__10.B--	1510	215TC
10	175.60	61344	2.98	22000	M1632 180 _N_-__10.B--	1510	215TC
8.9	197.00	68820	2.66	22000	M1632 200 _N_-__10.B--		215TC
7.6	228.84	78293	2.34	22000	M1642 225 _N_-__10.B--	1860	215TC
6.6	264.58	90521	2.02	22000	M1642 250 _N_-__10.B--	1860	215TC
6.1	285.80	97782	1.87	22000	M1642 280 _N_-__10.B--	1860	215TC
5.4	323.53	110691	1.65	22000	M1642 300 _N_-__10.B--	1860	215TC
4.9	360.14	123218	1.49	22000	M1642 360 _N_-__10.B--	1860	215TC
4.4	400.12	136895	1.34	22000	M1642 400 _N_-__10.B--	1860	215TC
3.9	445.37	152378	1.20	22000	M1642 450 _N_-__10.B--	1860	215TC
3.5	504.17	172494	1.06	22000	M1642 500 _N_-__10.B--	1860	215TC
2.7	646.71	221264	0.83	22000	M1642 650 _N_-__10.B--	1860	215TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

15.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
479	3.68	1936	1.39	1753	M0722 3.6 _N_-__15.B--	342	254TC
346	5.09	2681	1.40	1578	M0722 5.0 _N_-__15.B--	342	254TC
308	5.72	3012	1.40	1401	M0722 5.6 _N_-__15.B--	342	254TC
280	6.29	3312	1.40	1245	M0722 6.3 _N_-__15.B--	342	254TC
214	8.22	4326	1.26	1026	M0722 8.0 _N_-__15.B--	342	254TC
188	9.34	4919	1.16	976	M0722 9.0 _N_-__15.B--	342	254TC
479	3.68	1936	2.16	2907	M0822 3.6 _N_-__15.B--	414	254TC
338	5.21	2745	2.17	2733	M0822 5.0 _N_-__15.B--	414	254TC
304	5.79	3049	2.17	2538	M0822 5.6 _N_-__15.B--	414	254TC
273	6.44	3391	2.18	2309	M0822 6.3 _N_-__15.B--	414	254TC
211	8.33	4385	2.18	1700	M0822 8.0 _N_-__15.B--	414	254TC
188	9.35	4923	2.07	1571	M0822 9.0 _N_-__15.B--	414	254TC
153	11.47	6038	1.81	1483	M0822 11. _N_-__15.B--	414	254TC
136	12.92	6801	1.65	1490	M0822 12. _N_-__15.B--	414	254TC
117	15.04	7917	1.48	1420	M0822 14. _N_-__15.B--	414	254TC
105	16.69	8786	1.38	1398	M0822 16. _N_-__15.B--	414	254TC
96	18.26	9612	1.26	1497	M0822 18. _N_-__15.B--	414	254TC
85	20.66	10875	1.16	1464	M0822 20. _N_-__15.B--	414	254TC
75	23.32	12276	1.05	1569	M0822 22. _N_-__15.B--	414	254TC
62	28.27	14881	0.89	1806	M0822 28. _N_-__15.B--	414	254TC
214	8.22	4329	3.72	2958	M0922 8.0 _N_-__15.B--	564	254TC
192	9.19	4837	3.45	2899	M0922 9.0 _N_-__15.B--	564	254TC
153	11.47	6038	2.98	2842	M0922 11. _N_-__15.B--	564	254TC
138	12.74	6706	2.77	2819	M0922 12. _N_-__15.B--	564	254TC
121	14.53	7649	2.55	2793	M0922 14. _N_-__15.B--	564	254TC
108	16.34	8601	2.38	2685	M0922 16. _N_-__15.B--	564	254TC
95	18.50	9738	2.16	2721	M0922 18. _N_-__15.B--	564	254TC
85	20.59	10839	2.01	2689	M0922 20. _N_-__15.B--	564	254TC
77	22.87	12039	1.87	2657	M0922 22. _N_-__15.B--	564	254TC
63	27.98	14729	1.62	2700	M0922 28. _N_-__15.B--	564	254TC
54	32.31	17008	1.43	2976	M0922 32. _N_-__15.B--	564	254TC
49	35.67	18777	1.32	3195	M0922 36. _N_-__15.B--	564	254TC
41	43.35	22820	1.11	3582	M0922 45. _N_-__15.B--	564	254TC
36	49.07	25831	0.98	3981	M0922 50. _N_-__15.B--	564	254TC
32	55.18	29047	0.81	4504	M0922 56. _N_-__15.B--	564	254TC
498	3.54	1861	8.38	5559	M1022 3.6 _N_-__15.B--	634	254TC
356	4.94	2599	8.39	5977	M1022 5.0 _N_-__15.B--	634	254TC
328	5.37	2827	8.42	5954	M1022 5.6 _N_-__15.B--	634	254TC
289	6.10	3211	7.88	5635	M1022 6.3 _N_-__15.B--	634	254TC
222	7.95	4182	6.65	4459	M1022 8.0 _N_-__15.B--	634	254TC
205	8.58	4515	6.33	4116	M1022 9.0 _N_-__15.B--	634	254TC
160	11.02	5801	5.38	3526	M1022 11. _N_-__15.B--	634	254TC
141	12.51	6585	4.94	3433	M1022 12. _N_-__15.B--	634	254TC
124	14.16	7454	4.55	3331	M1022 14. _N_-__15.B--	634	254TC
110	15.98	8412	3.86	4015	M1022 16. _N_-__15.B--	634	254TC
99	17.75	9344	3.87	3261	M1022 18. _N_-__15.B--	634	254TC
91	19.41	10217	3.68	3105	M1022 20. _N_-__15.B--	634	254TC
82	21.57	11354	3.43	3011	M1022 22. _N_-__15.B--	634	254TC
69	25.49	13418	3.06	2872	M1022 28. _N_-__15.B--	634	254TC
57	30.76	16192	2.69	2754	M1022 32. _N_-__15.B--	634	254TC
50	35.44	18656	2.37	3156	M1022 36. _N_-__15.B--	634	254TC
43	41.12	21646	2.05	3873	M1022 45. _N_-__15.B--	634	254TC
37	47.93	25230	1.49	6313	M1022 50. _N_-__15.B--	634	254TC
34	51.49	27104	1.26	6740	M1022 56. _N_-__15.B--	634	254TC
31	57.63	30027	1.35	6550	M1032 56. _N_-__15.B--	682	254TC
27	65.24	33992	1.23	6740	M1032 63. _N_-__15.B--	682	254TC
24	72.62	37837	1.12	6740	M1032 71. _N_-__15.B--	682	254TC
22	80.68	42037	1.01	6740	M1032 80. _N_-__15.B--	682	254TC
18	98.68	51415	0.82	6740	M1032 100 _N_-__15.B--	682	254TC
48	37.03	19493	3.92	11354	M1322 36. _N_-__15.B--	824	254TC
41	43.25	22767	3.00	12300	M1322 45. _N_-__15.B--	824	254TC
35	50.70	26689	1.96	12300	M1322 50. _N_-__15.B--	824	254TC
33	53.94	28394	1.96	12300	M1322 56. _N_-__15.B--	824	254TC
38	46.79	24380	3.21	12300	M1332 45. _N_-__15.B--	870	254TC
33	52.97	27598	2.87	12300	M1332 50. _N_-__15.B--	870	254TC
29	59.76	31137	2.51	12300	M1332 56. _N_-__15.B--	870	254TC
27	66.40	34596	2.28	12300	M1332 63. _N_-__15.B--	870	254TC
24	72.60	37827	2.13	12300	M1332 71. _N_-__15.B--	870	254TC
22	80.68	42037	1.94	12300	M1332 80. _N_-__15.B--	870	254TC
18	95.34	49675	1.71	12300	M1332 100 _N_-__15.B--	870	254TC
15	115.08	59960	1.43	12300	M1332 112 _N_-__15.B--	870	254TC
13	132.56	69068	1.24	12300	M1332 125 _N_-__15.B--	870	254TC
11	153.81	80140	1.07	12300	M1332 160 _N_-__15.B--	870	254TC
10	179.28	93410	0.92	12300	M1332 180 _N_-__15.B--	870	254TC
9.1	192.61	100356	0.83	12300	M1332 200 _N_-__15.B--	870	254TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

15.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
41	42.95	22609	2.93	15300	M1422 45. _N_-__15.B--	1020	254TC
35	50.36	26510	2.67	15300	M1422 50. _N_-__15.B--	1020	254TC
31	56.49	29736	2.48	15300	M1422 56. _N_-__15.B--	1020	254TC
36	48.24	25135	3.84	15300	M1432 45. _N_-__15.B--	1062	254TC
32	54.61	28453	3.55	15300	M1432 50. _N_-__15.B--	1062	254TC
29	61.61	32101	3.49	15300	M1432 56. _N_-__15.B--	1062	254TC
26	68.46	35670	3.08	15300	M1432 63. _N_-__15.B--	1062	254TC
24	74.85	38999	2.87	15300	M1432 71. _N_-__15.B--	1062	254TC
21	83.17	43334	2.61	15300	M1432 80. _N_-__15.B--	1062	254TC
18	98.30	51217	2.25	15300	M1432 100 _N_-__15.B--	1062	254TC
15	118.60	61794	1.86	15300	M1432 112 _N_-__15.B--	1062	254TC
13	136.70	71225	1.61	15300	M1432 125 _N_-__15.B--	1062	254TC
11	158.60	82635	1.39	15300	M1432 160 _N_-__15.B--	1062	254TC
9.5	184.80	96286	1.19	15300	M1432 180 _N_-__15.B--	1062	254TC
8.9	198.60	103477	1.11	15300	M1432 200 _N_-__15.B--	1062	254TC
17.9	98.51	51327	3.57	22000	M1632 100 _N_-__15.B--	1635	254TC
14.9	118.20	61586	2.97	22000	M1632 112 _N_-__15.B--	1635	254TC
13.7	128.10	66744	2.74	22000	M1632 125 _N_-__15.B--	1635	254TC
11.7	149.80	78050	2.34	22000	M1632 160 _N_-__15.B--	1635	254TC
10.0	175.60	91493	2.00	22000	M1632 180 _N_-__15.B--	1635	254TC
8.9	197.00	102643	1.78	22000	M1632 200 _N_-__15.B--	1635	254TC
7.7	228.84	116772	1.57	22000	M1642 225 _N_-__15.B--	1985	254TC
6.7	264.58	135011	1.36	22000	M1642 250 _N_-__15.B--	1985	254TC
6.2	285.80	145840	1.25	22000	M1642 280 _N_-__15.B--	1985	254TC
5.4	323.53	165092	1.11	22000	M1642 300 _N_-__15.B--	1985	254TC
4.9	360.14	183776	1.00	22000	M1642 360 _N_-__15.B--	1985	254TC
4.4	400.12	204176	0.90	22000	M1642 400 _N_-__15.B--	1985	254TC

20.0 HP

4 Pole 1750 rpm nominal input speed

479	3.68	2581	1.05	1698	M0722 3.6 _N_-__20.B--	342	256TC
346	5.09	3575	1.05	1528	M0722 5.0 _N_-__20.B--	342	256TC
308	5.72	4016	1.05	1357	M0722 5.6 _N_-__20.B--	342	256TC
280	6.29	4416	1.05	1207	M0722 6.3 _N_-__20.B--	369	256TC
214	8.22	5768	0.94	994	M0722 8.0 _N_-__20.B--	369	256TC
188	9.34	6558	0.87	946	M0722 9.0 _N_-__20.B--	369	256TC
479	3.68	2581	1.62	2816	M0822 3.6 _N_-__20.B--	441	256TC
338	5.21	3660	1.63	2648	M0822 5.0 _N_-__20.B--	441	256TC
304	5.79	4065	1.63	2459	M0822 5.6 _N_-__20.B--	441	256TC
273	6.44	4521	1.63	2237	M0822 6.3 _N_-__20.B--	441	256TC
211	8.33	5847	1.64	1647	M0822 8.0 _N_-__20.B--	441	256TC
188	9.35	6564	1.55	1522	M0822 9.0 _N_-__20.B--	441	256TC
153	11.47	8050	1.35	1437	M0822 11. _N_-__20.B--	441	256TC
136	12.92	9068	1.24	1443	M0822 12. _N_-__20.B--	441	256TC
117	15.04	10556	1.11	1375	M0822 14. _N_-__20.B--	441	256TC
105	16.69	11714	1.03	1355	M0822 16. _N_-__20.B--	441	256TC
96	18.26	12816	0.94	1451	M0822 18. _N_-__20.B--	441	256TC
85	20.66	14501	0.87	1418	M0822 20. _N_-__20.B--	441	256TC
347	5.07	3561	3.79	3173	M0922 5.0 _N_-__20.B--	589	256TC
310	5.69	3991	3.53	3102	M0922 5.6 _N_-__20.B--	589	256TC
276	6.38	4479	3.28	3031	M0922 6.3 _N_-__20.B--	589	256TC
214	8.22	5772	2.79	2866	M0922 8.0 _N_-__20.B--	589	256TC
192	9.19	6449	2.59	2809	M0922 9.0 _N_-__20.B--	589	256TC
153	11.47	8050	2.24	2753	M0922 11. _N_-__20.B--	589	256TC
138	12.74	8942	2.08	2731	M0922 12. _N_-__20.B--	589	256TC
121	14.53	10198	1.91	2706	M0922 14. _N_-__20.B--	589	256TC
108	16.34	11469	1.79	2601	M0922 16. _N_-__20.B--	589	256TC
95	18.50	12985	1.62	2636	M0922 18. _N_-__20.B--	589	256TC
85	20.59	14451	1.51	2605	M0922 20. _N_-__20.B--	589	256TC
77	22.87	16052	1.40	2574	M0922 22. _N_-__20.B--	589	256TC
63	27.98	19638	1.22	2616	M0922 28. _N_-__20.B--	589	256TC
54	32.31	22677	1.08	2883	M0922 32. _N_-__20.B--	589	256TC
49	35.67	25036	0.99	3095	M0922 36. _N_-__20.B--	589	256TC
41	43.35	30426	0.83	3470	M0922 45. _N_-__20.B--	589	256TC
160	11.02	7735	4.03	3416	M1022 11. _N_-__20.B--	659	256TC
141	12.51	8780	3.70	3326	M1022 12. _N_-__20.B--	659	256TC
124	14.16	9938	3.41	3227	M1022 14. _N_-__20.B--	659	256TC
110	15.98	11216	2.90	3890	M1022 16. _N_-__20.B--	659	256TC
99	17.75	12458	2.91	3160	M1022 18. _N_-__20.B--	659	256TC
91	19.41	13623	2.76	3008	M1022 20. _N_-__20.B--	659	256TC
82	21.57	15139	2.57	2918	M1022 22. _N_-__20.B--	659	256TC
69	25.49	17891	2.29	2783	M1022 28. _N_-__20.B--	659	256TC
57	30.76	21590	2.01	2668	M1022 32. _N_-__20.B--	659	256TC
50	35.44	24874	1.78	3058	M1022 36. _N_-__20.B--	659	256TC
43	41.12	28861	1.53	3753	M1022 45. _N_-__20.B--	659	256TC
37	47.93	33641	1.12	6116	M1022 50. _N_-__20.B--	659	256TC
34	51.49	36139	0.95	6699	M1022 56. _N_-__20.B--	659	256TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

20.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
31	57.63	40036	1.01	6346	M1032 56. _N_-__20.B--	707	256TC
27	65.24	45323	0.92	6593	M1032 63. _N_-__20.B--	707	256TC
24	72.62	50450	0.84	6611	M1032 71. _N_-__20.B--	707	256TC
65	27.08	19007	3.89	11497	M1322 28. _N_-__20.B--	849	256TC
53	33.25	23337	3.24	11164	M1322 32. _N_-__20.B--	849	256TC
48	37.03	25990	2.94	11000	M1322 36. _N_-__20.B--	849	256TC
41	43.25	30356	2.25	12300	M1322 45. _N_-__20.B--	849	256TC
35	50.70	35585	1.47	12300	M1322 50. _N_-__20.B--	849	256TC
33	53.94	37859	1.47	12300	M1322 56. _N_-__20.B--	849	256TC
38	46.79	32506	2.41	12300	M1332 45. _N_-__20.B--	895	256TC
33	52.97	36798	2.16	12300	M1332 50. _N_-__20.B--	895	256TC
29	59.76	41516	1.88	12300	M1332 56. _N_-__20.B--	895	256TC
27	66.40	46129	1.71	12300	M1332 63. _N_-__20.B--	895	256TC
24	72.60	50436	1.60	12300	M1332 71. _N_-__20.B--	895	256TC
22	80.68	56049	1.45	12300	M1332 80. _N_-__20.B--	895	256TC
18	95.34	66233	1.28	12300	M1332 100 _N_-__20.B--	895	256TC
15	115.08	79947	1.07	12300	M1332 112 _N_-__20.B--	895	256TC
13	132.56	92090	0.93	12300	M1332 125 _N_-__20.B--	895	256TC
11	153.81	106853	0.80	12300	M1332 160 _N_-__20.B--	895	256TC
41	42.95	30145	2.20	15300	M1422 45. _N_-__20.B--	1045	256TC
35	50.36	35346	2.01	15300	M1422 50. _N_-__20.B--	1045	256TC
31	56.49	39649	1.86	15300	M1422 56. _N_-__20.B--	1045	256TC
36	48.24	33513	2.88	15300	M1432 45. _N_-__20.B--	1087	256TC
32	54.61	37937	2.66	15300	M1432 50. _N_-__20.B--	1087	256TC
29	61.61	42801	2.62	15300	M1432 56. _N_-__20.B--	1087	256TC
26	68.46	47560	2.31	15300	M1432 63. _N_-__20.B--	1087	256TC
24	74.85	51999	2.15	15300	M1432 71. _N_-__20.B--	1087	256TC
21	83.17	57779	1.96	15300	M1432 80. _N_-__20.B--	1087	256TC
18	98.30	68290	1.68	15300	M1432 100 _N_-__20.B--	1087	256TC
15	118.60	82392	1.40	15300	M1432 112 _N_-__20.B--	1087	256TC
13	136.70	94966	1.21	15300	M1432 125 _N_-__20.B--	1087	256TC
11	158.60	110181	1.04	15300	M1432 160 _N_-__20.B--	1087	256TC
10	184.80	128382	0.90	15300	M1432 180 _N_-__20.B--	1087	256TC
8.9	198.60	137969	0.83	15300	M1432 200 _N_-__20.B--	1087	256TC
24	74.49	51749	3.54	22000	M1632 71. _N_-__20.B--	1660	256TC
21	82.13	57056	3.21	22000	M1632 80. _N_-__20.B--	1660	256TC
18	98.51	68436	2.67	22000	M1632 100 _N_-__20.B--	1660	256TC
15	118.20	82114	2.23	22000	M1632 112 _N_-__20.B--	1660	256TC
14	128.10	88992	2.06	22000	M1632 125 _N_-__20.B--	1660	256TC
12	149.80	104067	1.76	22000	M1632 160 _N_-__20.B--	1660	256TC
10	175.60	121991	1.50	22000	M1632 180 _N_-__20.B--	1660	256TC
8.9	197.00	136857	1.34	22000	M1632 200 _N_-__20.B--	1660	256TC
7.7	228.84	158974	1.15	22000	M1642 225 _N_-__20.B--	1660	256TC
6.7	264.58	183804	1.00	22000	M1642 250 _N_-__20.B--	1660	256TC
6.2	285.80	198547	0.92	22000	M1642 280 _N_-__20.B--	1660	256TC
5.4	323.53	224757	0.81	22000	M1642 300 _N_-__20.B--	1660	256TC

25.0 HP

4 Pole 1750 rpm nominal input speed

478	3.69	3233	3.68	3324	M0922 3.6 _N_-__25.B--	709	284TC
347	5.07	4451	3.03	3096	M0922 5.0 _N_-__25.B--	709	284TC
310	5.69	4989	2.83	3027	M0922 5.6 _N_-__25.B--	709	284TC
276	6.38	5599	2.63	2958	M0922 6.3 _N_-__25.B--	709	284TC
214	8.22	7215	2.23	2796	M0922 8.0 _N_-__25.B--	709	284TC
192	9.19	8061	2.07	2741	M0922 9.0 _N_-__25.B--	709	284TC
153	11.47	10063	1.79	2686	M0922 11. _N_-__25.B--	709	284TC
138	12.74	11177	1.66	2665	M0922 12. _N_-__25.B--	709	284TC
121	14.53	12748	1.53	2641	M0922 14. _N_-__25.B--	709	284TC
108	16.34	14336	1.43	2538	M0922 16. _N_-__25.B--	709	284TC
95	18.50	16231	1.29	2572	M0922 18. _N_-__25.B--	709	284TC
85	20.59	18064	1.21	2542	M0922 20. _N_-__25.B--	709	284TC
77	22.87	20065	1.12	2511	M0922 22. _N_-__25.B--	709	284TC
63	27.98	24548	0.97	2552	M0922 28. _N_-__25.B--	709	284TC
54	32.31	28347	0.86	2813	M0922 32. _N_-__25.B--	709	284TC
49	35.67	31295	0.79	3020	M0922 36. _N_-__25.B--	709	284TC
222	7.95	6970	3.99	4215	M1022 8.0 _N_-__25.B--	784	284TC
205	8.58	7526	3.80	3892	M1022 9.0 _N_-__25.B--	784	284TC
160	11.02	9668	3.23	3333	M1022 11. _N_-__25.B--	784	284TC
141	12.51	10975	2.96	3245	M1022 12. _N_-__25.B--	784	284TC
124	14.16	12423	2.73	3149	M1022 14. _N_-__25.B--	784	284TC
110	15.98	14020	2.32	3795	M1022 16. _N_-__25.B--	784	284TC
99	17.75	15573	2.32	3083	M1022 18. _N_-__25.B--	784	284TC
91	19.41	17029	2.21	2935	M1022 20. _N_-__25.B--	784	284TC
82	21.57	18924	2.06	2847	M1022 22. _N_-__25.B--	784	284TC
69	25.49	22363	1.83	2715	M1022 28. _N_-__25.B--	784	284TC
57	30.76	26987	1.61	2603	M1022 32. _N_-__25.B--	784	284TC
50	35.44	31093	1.42	2984	M1022 36. _N_-__25.B--	784	284TC
43	41.12	36076	1.23	3662	M1022 45. _N_-__25.B--	784	284TC
37	47.93	42051	0.90	5968	M1022 50. _N_-__25.B--	784	284TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

25.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
84	20.86	18301	3.94	11860	M1322 20. _N_-__25.B--	969	284TC
75	23.51	20626	3.54	11446	M1322 22. _N_-__25.B--	969	284TC
65	27.08	23758	3.11	11218	M1322 28. _N_-__25.B--	969	284TC
53	33.25	29171	2.59	10893	M1322 32. _N_-__25.B--	969	284TC
48	37.03	32488	2.35	10734	M1322 36. _N_-__25.B--	969	284TC
41	43.25	37945	1.80	12300	M1322 45. _N_-__25.B--	969	284TC
35	50.70	44481	1.18	12300	M1322 50. _N_-__25.B--	969	284TC
33	53.94	47324	1.18	12300	M1322 56. _N_-__25.B--	969	284TC
38	46.79	40633	1.92	12300	M1332 45. _N_-__25.B--	1015	284TC
33	52.97	45997	1.72	12300	M1332 50. _N_-__25.B--	1015	284TC
29	59.76	51895	1.50	12300	M1332 56. _N_-__25.B--	1015	284TC
27	66.40	57661	1.37	12300	M1332 63. _N_-__25.B--	1015	284TC
24	72.60	63045	1.28	12300	M1332 71. _N_-__25.B--	1015	284TC
22	80.68	70061	1.16	12300	M1332 80. _N_-__25.B--	1015	284TC
18	95.34	82792	1.03	12300	M1332 100 _N_-__25.B--	1015	284TC
15	115.08	99934	0.86	12300	M1332 112 _N_-__25.B--	1015	284TC
52	33.89	29733	3.87	15300	M1422 32. _N_-__25.B--	1170	284TC
48	36.72	32216	3.57	15300	M1422 36. _N_-__25.B--	1170	284TC
41	42.95	37682	1.76	15300	M1422 45. _N_-__25.B--	1170	284TC
35	50.36	44183	1.60	15300	M1422 50. _N_-__25.B--	1170	284TC
31	56.49	49561	1.49	15300	M1422 56. _N_-__25.B--	1170	284TC
36	48.24	41891	2.30	15300	M1432 45. _N_-__25.B--	1212	284TC
32	54.61	47421	2.13	15300	M1432 50. _N_-__25.B--	1212	284TC
29	61.61	53501	2.09	15300	M1432 56. _N_-__25.B--	1212	284TC
26	68.46	59450	1.85	15300	M1432 63. _N_-__25.B--	1212	284TC
24	74.85	64999	1.72	15300	M1432 71. _N_-__25.B--	1212	284TC
21	83.17	72224	1.56	15300	M1432 80. _N_-__25.B--	1212	284TC
18	98.30	85362	1.35	15300	M1432 100 _N_-__25.B--	1212	284TC
15	118.60	102990	1.12	15300	M1432 112 _N_-__25.B--	1212	284TC
13	136.70	118708	0.97	15300	M1432 125 _N_-__25.B--	1212	284TC
11	158.60	137726	0.83	15300	M1432 160 _N_-__25.B--	1212	284TC
39	45.05	39524	2.46	22000	M1622 45. _N_-__25.B--	1868	284TC
30	59.38	51565	3.55	22000	M1632 56. _N_-__25.B--	1805	284TC
28	63.82	55420	3.30	22000	M1632 63. _N_-__25.B--	1805	284TC
24	74.49	64686	2.83	22000	M1632 71. _N_-__25.B--	1805	284TC
21	82.13	71320	2.57	22000	M1632 80. _N_-__25.B--	1805	284TC
18	98.51	85545	2.14	22000	M1632 100 _N_-__25.B--	1805	284TC
15	118.20	102643	1.78	22000	M1632 112 _N_-__25.B--	1805	284TC
14	128.10	111240	1.65	22000	M1632 125 _N_-__25.B--	1805	284TC
12	149.80	130084	1.41	22000	M1632 160 _N_-__25.B--	1805	284TC
10	175.60	152488	1.20	22000	M1632 180 _N_-__25.B--	1805	284TC
8.9	197.00	171072	1.07	22000	M1632 200 _N_-__25.B--	1805	284TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

30.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
478	3.69	3880	3.07	3258	M0922 3.6 _N_-__30.B--	724	286TC
347	5.07	5341	2.53	3034	M0922 5.0 _N_-__30.B--	724	286TC
310	5.69	5986	2.36	2967	M0922 5.6 _N_-__30.B--	724	286TC
276	6.38	6719	2.19	2899	M0922 6.3 _N_-__30.B--	724	286TC
214	8.22	8658	1.86	2741	M0922 8.0 _N_-__30.B--	724	286TC
192	9.19	9673	1.73	2687	M0922 9.0 _N_-__30.B--	724	286TC
153	11.47	12076	1.49	2633	M0922 11. _N_-__30.B--	724	286TC
138	12.74	13413	1.39	2612	M0922 12. _N_-__30.B--	724	286TC
121	14.53	15297	1.27	2588	M0922 14. _N_-__30.B--	724	286TC
108	16.34	17203	1.19	2488	M0922 16. _N_-__30.B--	724	286TC
95	18.50	19477	1.08	2521	M0922 18. _N_-__30.B--	724	286TC
85	20.59	21677	1.01	2492	M0922 20. _N_-__30.B--	724	286TC
77	22.87	24078	0.93	2462	M0922 22. _N_-__30.B--	724	286TC
63	27.98	29457	0.81	2502	M0922 28. _N_-__30.B--	724	286TC
289	6.10	6422	3.94	5221	M1022 6.3 _N_-__30.B--	798	286TC
222	7.95	8365	3.32	4131	M1022 8.0 _N_-__30.B--	798	286TC
205	8.58	9031	3.17	3814	M1022 9.0 _N_-__30.B--	798	286TC
160	11.02	11602	2.69	3267	M1022 11. _N_-__30.B--	798	286TC
141	12.51	13171	2.47	3181	M1022 12. _N_-__30.B--	798	286TC
124	14.16	14908	2.27	3087	M1022 14. _N_-__30.B--	798	286TC
110	15.98	16824	1.93	3720	M1022 16. _N_-__30.B--	798	286TC
99	17.75	18687	1.94	3022	M1022 18. _N_-__30.B--	798	286TC
91	19.41	20435	1.84	2877	M1022 20. _N_-__30.B--	798	286TC
82	21.57	22709	1.71	2790	M1022 22. _N_-__30.B--	798	286TC
69	25.49	26836	1.53	2661	M1022 28. _N_-__30.B--	798	286TC
57	30.76	32384	1.34	2551	M1022 32. _N_-__30.B--	798	286TC
50	35.44	37311	1.19	2925	M1022 36. _N_-__30.B--	798	286TC
43	41.12	43291	1.02	3589	M1022 45. _N_-__30.B--	798	286TC
98	18.02	18972	3.75	6740	M1322 18. _N_-__30.B--	984	286TC
84	20.86	21961	3.28	11625	M1322 20. _N_-__30.B--	984	286TC
75	23.51	24751	2.95	11218	M1322 22. _N_-__30.B--	984	286TC
65	27.08	28510	2.60	10995	M1322 28. _N_-__30.B--	984	286TC
53	33.25	35006	2.16	10677	M1322 32. _N_-__30.B--	984	286TC
48	37.03	38985	1.96	10520	M1322 36. _N_-__30.B--	984	286TC
41	43.25	45534	1.50	6740	M1322 45. _N_-__30.B--	984	286TC
35	50.70	53377	0.98	12272	M1322 50. _N_-__30.B--	984	286TC
33	53.94	56788	0.98	12274	M1322 56. _N_-__30.B--	984	286TC
38	46.79	48760	1.60	6740	M1332 45. _N_-__30.B--	1030	286TC
33	52.97	55197	1.44	6740	M1332 50. _N_-__30.B--	1030	286TC
29	59.76	62274	1.25	6740	M1332 56. _N_-__30.B--	1030	286TC
27	66.40	69193	1.14	6740	M1332 63. _N_-__30.B--	1030	286TC
24	72.60	75654	1.07	6740	M1332 71. _N_-__30.B--	1030	286TC
22	80.68	84073	0.97	12256	M1332 80. _N_-__30.B--	1030	286TC
18	95.34	99350	0.85	12300	M1332 100 _N_-__30.B--	1030	286TC
62	28.24	29731	3.87	15300	M1422 28. _N_-__30.B--	1185	286TC
52	33.89	35680	3.22	15300	M1422 32. _N_-__30.B--	1185	286TC
48	36.72	38659	2.97	15300	M1422 36. _N_-__30.B--	1185	286TC
41	42.95	45218	1.47	15300	M1422 45. _N_-__30.B--	1185	286TC
35	50.36	53019	1.34	15300	M1422 50. _N_-__30.B--	1185	286TC
31	56.49	59473	1.24	15300	M1422 56. _N_-__30.B--	1185	286TC
36	48.24	50269	1.92	15300	M1432 45. _N_-__30.B--	1227	286TC
32	54.61	56906	1.77	15300	M1432 50. _N_-__30.B--	1227	286TC
29	61.61	64201	1.74	15300	M1432 56. _N_-__30.B--	1227	286TC
26	68.46	71340	1.54	15300	M1432 63. _N_-__30.B--	1227	286TC
24	74.85	77998	1.44	15300	M1432 71. _N_-__30.B--	1227	286TC
21	83.17	86668	1.30	15300	M1432 80. _N_-__30.B--	1227	286TC
18	98.30	102435	1.12	15300	M1432 100 _N_-__30.B--	1227	286TC
15	118.60	123588	0.93	15300	M1432 112 _N_-__30.B--	1227	286TC
13	136.70	142450	0.81	15300	M1432 125 _N_-__30.B--	1227	286TC
47	37.54	39522	3.72	22000	M1622 36. _N_-__30.B--	1883	286TC
39	45.05	47429	2.05	22000	M1622 45. _N_-__30.B--	1883	286TC
39	45.64	47557	3.72	22000	M1632 45. _N_-__30.B--	1820	286TC
34	51.82	54000	3.39	22000	M1632 50. _N_-__30.B--	1820	286TC
30	59.38	61878	2.96	22000	M1632 56. _N_-__30.B--	1820	286TC
28	63.82	66504	2.75	22000	M1632 63. _N_-__30.B--	1820	286TC
24	74.49	77623	2.36	22000	M1632 71. _N_-__30.B--	1820	286TC
21	82.13	85584	2.14	22000	M1632 80. _N_-__30.B--	1820	286TC
18	98.51	102653	1.78	22000	M1632 100 _N_-__30.B--	1820	286TC
15	118.20	123172	1.49	22000	M1632 112 _N_-__30.B--	1820	286TC
14	128.10	133488	1.37	22000	M1632 125 _N_-__30.B--	1820	286TC
12	149.80	156101	1.17	22000	M1632 160 _N_-__30.B--	1820	286TC
10	175.60	182986	1.00	22000	M1632 180 _N_-__30.B--	1820	286TC
8.9	197.00	205286	0.89	22000	M1632 200 _N_-__30.B--	1820	286TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

40.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
478	3.69	5173	2.30	3156	M0922 3.6 _N_-__40.B--	813	324TC
347	5.07	7121	1.90	2940	M0922 5.0 _N_-__40.B--	813	324TC
310	5.69	7982	1.77	2874	M0922 5.6 _N_-__40.B--	813	324TC
276	6.38	8959	1.64	2809	M0922 6.3 _N_-__40.B--	813	324TC
214	8.22	11544	1.39	2655	M0922 8.0 _N_-__40.B--	813	324TC
192	9.19	12898	1.29	2603	M0922 9.0 _N_-__40.B--	813	324TC
153	11.47	16101	1.12	2551	M0922 11. _N_-__40.B--	813	324TC
138	12.74	17884	1.04	2531	M0922 12. _N_-__40.B--	813	324TC
121	14.53	20396	0.96	2508	M0922 14. _N_-__40.B--	813	324TC
108	16.34	22937	0.89	2410	M0922 16. _N_-__40.B--	813	324TC
95	18.50	25969	0.81	2442	M0922 18. _N_-__40.B--	813	324TC
498	3.54	4962	3.14	13952	M1022 3.6 _N_-__40.B--	883	324TC
356	4.94	6932	3.14	13952	M1022 5.0 _N_-__40.B--	883	324TC
328	5.37	7538	3.16	13958	M1022 5.6 _N_-__40.B--	883	324TC
289	6.10	8563	2.95	13857	M1022 6.3 _N_-__40.B--	883	324TC
222	7.95	11153	2.49	13600	M1022 8.0 _N_-__40.B--	883	324TC
205	8.58	12041	2.38	13528	M1022 9.0 _N_-__40.B--	883	324TC
160	11.02	15469	2.02	13287	M1022 11. _N_-__40.B--	883	324TC
141	12.51	17561	1.85	13162	M1022 12. _N_-__40.B--	883	324TC
124	14.16	19877	1.71	13044	M1022 14. _N_-__40.B--	883	324TC
110	15.98	22432	1.45	12812	M1022 16. _N_-__40.B--	883	324TC
99	17.75	24916	1.45	12816	M1022 18. _N_-__40.B--	883	324TC
91	19.41	27247	1.38	12744	M1022 20. _N_-__40.B--	883	324TC
82	21.57	30279	1.28	12644	M1022 22. _N_-__40.B--	883	324TC
69	25.49	35781	1.15	12486	M1022 28. _N_-__40.B--	883	324TC
57	30.76	43179	1.01	12310	M1022 32. _N_-__40.B--	883	324TC
50	35.44	49748	0.89	12144	M1022 36. _N_-__40.B--	883	324TC
464	3.79	5324	3.91	12300	M1322 3.6 _N_-__40.B--	1070	324TC
335	5.26	7379	3.92	12300	M1322 5.0 _N_-__40.B--	1070	324TC
305	5.77	8105	3.92	12300	M1322 5.6 _N_-__40.B--	1070	324TC
277	6.35	8912	3.93	12300	M1322 6.3 _N_-__40.B--	1070	324TC
217	8.11	11386	3.93	12300	M1322 8.0 _N_-__40.B--	1070	324TC
196	8.99	12613	3.92	12300	M1322 9.0 _N_-__40.B--	1070	324TC
149	11.81	16578	3.92	12300	M1322 11. _N_-__40.B--	1070	324TC
136	12.92	18136	3.79	12300	M1322 12. _N_-__40.B--	1070	324TC
120	14.63	20537	3.39	12300	M1322 14. _N_-__40.B--	1070	324TC
109	16.12	22628	3.11	12300	M1322 16. _N_-__40.B--	1070	324TC
98	18.02	25295	2.81	12300	M1322 18. _N_-__40.B--	1070	324TC
84	20.86	29282	2.46	11263	M1322 20. _N_-__40.B--	1070	324TC
75	23.51	33002	2.21	10869	M1322 22. _N_-__40.B--	1070	324TC
65	27.08	38013	1.95	10653	M1322 28. _N_-__40.B--	1070	324TC
53	33.25	46674	1.62	10344	M1322 32. _N_-__40.B--	1070	324TC
48	37.03	51980	1.47	10193	M1322 36. _N_-__40.B--	1070	324TC
41	43.25	60712	1.12	12300	M1322 45. _N_-__40.B--	1070	324TC
38	46.79	65013	1.20	12300	M1332 45. _N_-__40.B--	1116	324TC
33	52.97	73596	1.08	12300	M1332 50. _N_-__40.B--	1116	324TC
29	59.76	83031	0.94	12216	M1332 56. _N_-__40.B--	1116	324TC
27	66.40	92257	0.85	12089	M1332 63. _N_-__40.B--	1116	324TC
24	72.60	100872	0.80	12000	M1332 71. _N_-__40.B--	1116	324TC
82	21.36	29984	3.77	15300	M1422 20. _N_-__40.B--	1270	324TC
75	23.55	33058	3.45	15300	M1422 22. _N_-__40.B--	1270	324TC
62	28.24	39642	2.90	15300	M1422 28. _N_-__40.B--	1270	324TC
52	33.89	47573	2.42	15300	M1422 32. _N_-__40.B--	1270	324TC
48	36.72	51545	2.23	15300	M1422 36. _N_-__40.B--	1270	324TC
41	42.95	60291	1.10	15300	M1422 45. _N_-__40.B--	1270	324TC
35	50.36	70692	1.00	15300	M1422 50. _N_-__40.B--	1270	324TC
31	56.49	79297	0.93	15175	M1422 56. _N_-__40.B--	1270	324TC
36	48.24	67025	1.44	15300	M1432 45. _N_-__40.B--	1312	324TC
32	54.61	75874	1.33	15300	M1432 50. _N_-__40.B--	1312	324TC
29	61.61	85602	1.31	15300	M1432 56. _N_-__40.B--	1312	324TC
26	68.46	95119	1.16	15300	M1432 63. _N_-__40.B--	1312	324TC
24	74.85	103998	1.08	15300	M1432 71. _N_-__40.B--	1312	324TC
21	83.17	115558	0.98	15300	M1432 80. _N_-__40.B--	1312	324TC
18	98.30	136579	0.84	15300	M1432 100 _N_-__40.B--	1312	324TC
56	31.41	44091	3.92	22000	M1622 32. _N_-__40.B--	1972	324TC
47	37.54	52696	2.79	22000	M1622 36. _N_-__40.B--	1972	324TC
39	45.05	63238	1.54	22000	M1622 45. _N_-__40.B--	1972	324TC
43	41.16	57187	3.01	22000	M1632 40. _N_-__40.B--	1925	324TC
39	45.64	63409	2.79	22000	M1632 45. _N_-__40.B--	1925	324TC
34	51.82	72000	2.54	22000	M1632 50. _N_-__40.B--	1925	324TC
30	59.38	82503	2.22	22000	M1632 56. _N_-__40.B--	1925	324TC
28	63.82	88672	2.06	22000	M1632 63. _N_-__40.B--	1925	324TC
24	74.49	103498	1.77	22000	M1632 71. _N_-__40.B--	1925	324TC
21	82.13	114113	1.60	22000	M1632 80. _N_-__40.B--	1925	324TC
18	98.51	136871	1.34	22000	M1632 100 _N_-__40.B--	1925	324TC
15	118.20	164229	1.11	22000	M1632 112 _N_-__40.B--	1925	324TC
14	128.10	177984	1.03	22000	M1632 125 _N_-__40.B--	1925	324TC
12	149.80	208134	0.88	22000	M1632 160 _N_-__40.B--	1925	324TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

50.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
478	3.69	6466	1.84	3080	M0922 3.6 _N_-__50.B--	938	326TC
347	5.07	8901	1.52	2868	M0922 5.0 _N_-__50.B--	938	326TC
310	5.69	9977	1.41	2805	M0922 5.6 _N_-__50.B--	938	326TC
276	6.38	11198	1.31	2741	M0922 6.3 _N_-__50.B--	938	326TC
214	8.22	14430	1.12	2591	M0922 8.0 _N_-__50.B--	938	326TC
192	9.19	16122	1.04	2540	M0922 9.0 _N_-__50.B--	938	326TC
153	11.47	20126	0.89	2489	M0922 11. _N_-__50.B--	938	326TC
138	12.74	22355	0.83	2470	M0922 12. _N_-__50.B--	938	326TC
498	3.54	6203	2.52	4870	M1022 3.6 _N_-__50.B--	1008	326TC
356	4.94	8665	2.52	5235	M1022 5.0 _N_-__50.B--	1008	326TC
328	5.37	9423	2.53	5215	M1022 5.6 _N_-__50.B--	1008	326TC
289	6.10	10704	2.36	4936	M1022 6.3 _N_-__50.B--	1008	326TC
222	7.95	13941	1.99	3906	M1022 8.0 _N_-__50.B--	1008	326TC
205	8.58	15052	1.90	3606	M1022 9.0 _N_-__50.B--	1008	326TC
160	11.02	19336	1.61	3088	M1022 11. _N_-__50.B--	1008	326TC
141	12.51	21951	1.48	3007	M1022 12. _N_-__50.B--	1008	326TC
124	14.16	24846	1.36	2918	M1022 14. _N_-__50.B--	1008	326TC
110	15.98	28040	1.16	3517	M1022 16. _N_-__50.B--	1008	326TC
99	17.75	31145	1.16	2857	M1022 18. _N_-__50.B--	1008	326TC
91	19.41	34058	1.10	2719	M1022 20. _N_-__50.B--	1008	326TC
82	21.57	37848	1.03	2638	M1022 22. _N_-__50.B--	1008	326TC
69	25.49	44727	0.92	2516	M1022 28. _N_-__50.B--	1008	326TC
57	30.76	53974	0.81	2412	M1022 32. _N_-__50.B--	1008	326TC
464	3.79	6655	3.13	12242	M1322 3.6 _N_-__50.B--	1195	326TC
335	5.26	9224	3.13	12300	M1322 5.0 _N_-__50.B--	1195	326TC
305	5.77	10131	3.14	12300	M1322 5.6 _N_-__50.B--	1195	326TC
277	6.35	11140	3.14	12300	M1322 6.3 _N_-__50.B--	1195	326TC
217	8.11	14232	3.14	12300	M1322 8.0 _N_-__50.B--	1195	326TC
196	8.99	15766	3.14	12300	M1322 9.0 _N_-__50.B--	1195	326TC
149	11.81	20723	3.14	12300	M1322 11. _N_-__50.B--	1195	326TC
136	12.92	22670	3.03	12300	M1322 12. _N_-__50.B--	1195	326TC
120	14.63	25671	2.72	12300	M1322 14. _N_-__50.B--	1195	326TC
109	16.12	28285	2.49	12300	M1322 16. _N_-__50.B--	1195	326TC
98	18.02	31619	2.25	12026	M1322 18. _N_-__50.B--	1195	326TC
84	20.86	36602	1.97	10990	M1322 20. _N_-__50.B--	1195	326TC
75	23.51	41252	1.77	10605	M1322 22. _N_-__50.B--	1195	326TC
65	27.08	47517	1.56	10394	M1322 28. _N_-__50.B--	1195	326TC
53	33.25	58343	1.30	10094	M1322 32. _N_-__50.B--	1195	326TC
48	37.03	64976	1.18	9946	M1322 36. _N_-__50.B--	1195	326TC
41	43.25	75890	0.90	12158	M1322 45. _N_-__50.B--	1195	326TC
103	17.02	29865	3.72	15300	M1422 16. _N_-__50.B--	1395	326TC
96	18.30	32111	3.46	15300	M1422 18. _N_-__50.B--	1395	326TC
82	21.36	37480	3.01	15300	M1422 20. _N_-__50.B--	1395	326TC
75	23.55	41323	2.76	15300	M1422 22. _N_-__50.B--	1395	326TC
62	28.24	49552	2.32	15300	M1422 28. _N_-__50.B--	1395	326TC
52	33.89	59466	1.93	15300	M1422 32. _N_-__50.B--	1395	326TC
48	36.72	64432	1.78	15300	M1422 36. _N_-__50.B--	1395	326TC
41	42.95	75363	0.88	15086	M1422 45. _N_-__50.B--	1395	326TC
35	50.36	88365	0.80	14934	M1422 50. _N_-__50.B--	1395	326TC
36	48.24	83782	1.15	15300	M1432 45. _N_-__50.B--	1437	326TC
32	54.61	94843	1.06	15300	M1432 50. _N_-__50.B--	1437	326TC
29	61.61	107002	1.05	15300	M1432 56. _N_-__50.B--	1437	326TC
26	68.46	118899	0.93	15300	M1432 63. _N_-__50.B--	1437	326TC
24	74.85	129997	0.86	15300	M1432 71. _N_-__50.B--	1437	326TC
65	27.26	47832	3.83	22000	M1622 28. _N_-__50.B--	2097	326TC
56	31.41	55114	3.14	22000	M1622 32. _N_-__50.B--	2097	326TC
47	37.54	65870	2.23	22000	M1622 36. _N_-__50.B--	2097	326TC
39	45.05	79048	1.23	22000	M1622 45. _N_-__50.B--	2097	326TC
43	41.16	71484	2.41	22000	M1632 40. _N_-__50.B--	2050	326TC
39	45.64	79261	2.23	22000	M1632 45. _N_-__50.B--	2050	326TC
34	51.82	89999	2.03	22000	M1632 50. _N_-__50.B--	2050	326TC
30	59.38	103129	1.77	22000	M1632 56. _N_-__50.B--	2050	326TC
28	63.82	110841	1.65	22000	M1632 63. _N_-__50.B--	2050	326TC
24	74.49	129372	1.41	22000	M1632 71. _N_-__50.B--	2050	326TC
21	82.13	142641	1.28	22000	M1632 80. _N_-__50.B--	2050	326TC
18	98.51	171089	1.07	22000	M1632 100 _N_-__50.B--	2050	326TC
15	118.20	205286	0.89	22000	M1632 112 _N_-__50.B--	2050	326TC
14	128.10	222480	0.82	22000	M1632 125 _N_-__50.B--	2050	326TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

60.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
464	3.79	7987	2.60	11999	M1322 3.6 _N_-__60.B--	1400	364TC
335	5.26	11069	2.61	12300	M1322 5.0 _N_-__60.B--	1400	364TC
305	5.77	12158	2.62	12300	M1322 5.6 _N_-__60.B--	1400	364TC
277	6.35	13369	2.62	12300	M1322 6.3 _N_-__60.B--	1400	364TC
217	8.11	17079	2.62	12300	M1322 8.0 _N_-__60.B--	1400	364TC
196	8.99	18919	2.62	12300	M1322 9.0 _N_-__60.B--	1400	364TC
149	11.81	24867	2.61	12300	M1322 11. _N_-__60.B--	1400	364TC
136	12.92	27204	2.53	12300	M1322 12. _N_-__60.B--	1400	364TC
120	14.63	30805	2.26	12300	M1322 14. _N_-__60.B--	1400	364TC
109	16.12	33942	2.07	12300	M1322 16. _N_-__60.B--	1400	364TC
98	18.02	37943	1.87	11787	M1322 18. _N_-__60.B--	1400	364TC
84	20.86	43923	1.64	10772	M1322 20. _N_-__60.B--	1400	364TC
75	23.51	49503	1.47	10395	M1322 22. _N_-__60.B--	1400	364TC
65	27.08	57020	1.30	10188	M1322 28. _N_-__60.B--	1400	364TC
53	33.25	70011	1.08	9893	M1322 32. _N_-__60.B--	1400	364TC
48	37.03	77971	0.98	9748	M1322 36. _N_-__60.B--	1400	364TC
469	3.75	7904	5.97	15300	M1422 3.6 _N_-__60.B--	1593	364TC
336	5.24	11029	5.98	15300	M1422 5.0 _N_-__60.B--	1593	364TC
298	5.90	12419	5.98	15300	M1422 5.6 _N_-__60.B--	1593	364TC
265	6.63	13966	5.99	15300	M1422 6.3 _N_-__60.B--	1593	364TC
207	8.51	17923	5.24	15300	M1422 8.0 _N_-__60.B--	1593	364TC
186	9.45	19902	4.90	15300	M1422 9.0 _N_-__60.B--	1593	364TC
149	11.80	24846	4.23	15300	M1422 11. _N_-__60.B--	1593	364TC
135	13.08	27541	3.89	15300	M1422 12. _N_-__60.B--	1593	364TC
118	14.86	31289	3.48	15300	M1422 14. _N_-__60.B--	1593	364TC
103	17.02	35837	3.10	15300	M1422 16. _N_-__60.B--	1593	364TC
96	18.30	38533	2.88	15300	M1422 18. _N_-__60.B--	1593	364TC
82	21.36	44976	2.51	15300	M1422 20. _N_-__60.B--	1593	364TC
75	23.55	49587	2.30	15300	M1422 22. _N_-__60.B--	1593	364TC
62	28.24	59462	1.93	15300	M1422 28. _N_-__60.B--	1593	364TC
52	33.89	71359	1.61	15300	M1422 32. _N_-__60.B--	1593	364TC
48	36.72	77318	1.49	15300	M1422 36. _N_-__60.B--	1593	364TC
75	23.51	49503	3.70	22000	M1622 22. _N_-__60.B--	2162	364TC
65	27.26	57399	3.19	22000	M1622 28. _N_-__60.B--	2162	364TC
56	31.41	66137	2.62	22000	M1622 32. _N_-__60.B--	2162	364TC
47	37.54	79045	1.86	22000	M1622 36. _N_-__60.B--	2162	364TC
39	45.05	94858	1.03	22000	M1622 45. _N_-__60.B--	2162	364TC
43	41.16	85781	2.01	22000	M1632 40. _N_-__60.B--	2115	364TC
39	45.64	95113	1.86	22000	M1632 45. _N_-__60.B--	2115	364TC
34	51.82	107999	1.69	22000	M1632 50. _N_-__60.B--	2115	364TC
30	59.38	123755	1.48	22000	M1632 56. _N_-__60.B--	2115	364TC
28	63.82	133009	1.38	22000	M1632 63. _N_-__60.B--	2115	364TC
24	74.49	155246	1.18	22000	M1632 71. _N_-__60.B--	2115	364TC
21	82.13	171169	1.07	22000	M1632 80. _N_-__60.B--	2115	364TC
18	98.51	205307	0.89	22000	M1632 100 _N_-__60.B--	2115	364TC

75.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
464	3.79	9983	2.08	11708	M1322 3.6 _N_-__75.B--	1525	365TC
335	5.26	13836	2.09	12300	M1322 5.0 _N_-__75.B--	1525	365TC
305	5.77	15197	2.09	12300	M1322 5.6 _N_-__75.B--	1525	365TC
277	6.35	16711	2.09	12300	M1322 6.3 _N_-__75.B--	1525	365TC
217	8.11	21348	2.09	12300	M1322 8.0 _N_-__75.B--	1525	365TC
196	8.99	23649	2.09	12300	M1322 9.0 _N_-__75.B--	1525	365TC
149	11.81	31084	2.09	12300	M1322 11. _N_-__75.B--	1525	365TC
136	12.92	34006	2.02	12300	M1322 12. _N_-__75.B--	1525	365TC
120	14.63	38506	1.81	12300	M1322 14. _N_-__75.B--	1525	365TC
109	16.12	42428	1.66	12300	M1322 16. _N_-__75.B--	1525	365TC
98	18.02	47429	1.50	11501	M1322 18. _N_-__75.B--	1525	365TC
84	20.86	54904	1.31	10510	M1322 20. _N_-__75.B--	1525	365TC
75	23.51	61879	1.18	10143	M1322 22. _N_-__75.B--	1525	365TC
65	27.08	71275	1.04	9941	M1322 28. _N_-__75.B--	1525	365TC
53	33.25	87514	0.86	9653	M1322 32. _N_-__75.B--	1525	365TC
186	9.45	24878	3.92	15300	M1422 9.0 _N_-__75.B--	1718	365TC
149	11.80	31058	3.38	15300	M1422 11. _N_-__75.B--	1718	365TC
135	13.08	34427	3.11	15300	M1422 12. _N_-__75.B--	1718	365TC
118	14.86	39112	2.79	15300	M1422 14. _N_-__75.B--	1718	365TC
103	17.02	44797	2.48	15300	M1422 16. _N_-__75.B--	1718	365TC
96	18.30	48166	2.30	15300	M1422 18. _N_-__75.B--	1718	365TC
82	21.36	56220	2.01	15300	M1422 20. _N_-__75.B--	1718	365TC
75	23.55	61984	1.84	15300	M1422 22. _N_-__75.B--	1718	365TC
62	28.24	74328	1.55	15300	M1422 28. _N_-__75.B--	1718	365TC
52	33.89	89199	1.29	15300	M1422 32. _N_-__75.B--	1718	365TC
48	36.72	96647	1.19	15300	M1422 36. _N_-__75.B--	1718	365TC
101	17.49	46034	3.95	22000	M1622 18. _N_-__75.B--	2287	365TC
86	20.39	53667	3.39	22000	M1622 20. _N_-__75.B--	2287	365TC
75	23.51	61879	2.96	22000	M1622 22. _N_-__75.B--	2287	365TC
65	27.26	71749	2.55	22000	M1622 28. _N_-__75.B--	2287	365TC
56	31.41	82671	2.09	22000	M1622 32. _N_-__75.B--	2287	365TC
47	37.54	98806	1.49	22000	M1622 36. _N_-__75.B--	2287	365TC
39	45.05	118572	0.82	22000	M1622 45. _N_-__75.B--	2287	365TC
43	41.16	107226	1.60	22000	M1632 40. _N_-__75.B--	2240	365TC
39	45.64	118891	1.49	22000	M1632 45. _N_-__75.B--	2240	365TC
34	51.82	134999	1.36	22000	M1632 50. _N_-__75.B--	2240	365TC
30	59.38	154694	1.18	22000	M1632 56. _N_-__75.B--	2240	365TC
28	63.82	166261	1.10	22000	M1632 63. _N_-__75.B--	2240	365TC
24	74.49	194058	0.94	22000	M1632 71. _N_-__75.B--	2240	365TC
21	82.13	213961	0.86	22000	M1632 80. _N_-__75.B--	2240	365TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

100 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
464	3.79	13311	1.56	11344	M1322 3.6 _N_-__100B--	1900	405TC
335	5.26	18449	1.57	12300	M1322 5.0 _N_-__100B--	1900	405TC
305	5.77	20263	1.57	12300	M1322 5.6 _N_-__100B--	1900	405TC
277	6.35	22281	1.57	12300	M1322 6.3 _N_-__100B--	1900	405TC
217	8.11	28464	1.57	12300	M1322 8.0 _N_-__100B--	1900	405TC
196	8.99	31531	1.57	12300	M1322 9.0 _N_-__100B--	1900	405TC
149	11.81	41445	1.57	12300	M1322 11. _N_-__100B--	1900	405TC
136	12.92	45341	1.52	12300	M1322 12. _N_-__100B--	1900	405TC
120	14.63	51342	1.36	12300	M1322 14. _N_-__100B--	1900	405TC
109	16.12	56571	1.24	12300	M1322 16. _N_-__100B--	1900	405TC
98	18.02	63238	1.12	11143	M1322 18. _N_-__100B--	1900	405TC
84	20.86	73205	0.98	10183	M1322 20. _N_-__100B--	1900	405TC
75	23.51	82505	0.88	9827	M1322 22. _N_-__100B--	1900	405TC
469	3.75	13174	3.58	14729	M1422 3.6 _N_-__100B--	2085	405TC
336	5.24	18382	3.59	15300	M1422 5.0 _N_-__100B--	2085	405TC
298	5.90	20698	3.59	15300	M1422 5.6 _N_-__100B--	2085	405TC
265	6.63	23277	3.59	15300	M1422 6.3 _N_-__100B--	2085	405TC
207	8.51	29872	3.14	15300	M1422 8.0 _N_-__100B--	2085	405TC
186	9.45	33170	2.94	15300	M1422 9.0 _N_-__100B--	2085	405TC
149	11.80	41410	2.54	15300	M1422 11. _N_-__100B--	2085	405TC
135	13.08	45902	2.33	15300	M1422 12. _N_-__100B--	2085	405TC
118	14.86	52149	2.09	15300	M1422 14. _N_-__100B--	2085	405TC
103	17.02	59729	1.86	15300	M1422 16. _N_-__100B--	2085	405TC
96	18.30	64221	1.73	15300	M1422 18. _N_-__100B--	2085	405TC
82	21.36	74960	1.51	15300	M1422 20. _N_-__100B--	2085	405TC
75	23.55	82645	1.38	15300	M1422 22. _N_-__100B--	2085	405TC
62	28.24	99104	1.16	15300	M1422 28. _N_-__100B--	2085	405TC
52	33.89	118932	0.97	15300	M1422 32. _N_-__100B--	2085	405TC
48	36.72	128863	0.89	15300	M1422 36. _N_-__100B--	2085	405TC
126	14.01	49166	3.21	22000	M1622 14. _N_-__100B--	2560	405TC
109	16.19	56816	3.15	22000	M1622 16. _N_-__100B--	2560	405TC
101	17.49	61378	2.97	22000	M1622 18. _N_-__100B--	2560	405TC
86	20.39	71556	2.54	22000	M1622 20. _N_-__100B--	2560	405TC
75	23.51	82505	2.22	22000	M1622 22. _N_-__100B--	2560	405TC
65	27.26	95665	1.91	22000	M1622 28. _N_-__100B--	2560	405TC
56	31.41	110229	1.57	22000	M1622 32. _N_-__100B--	2560	405TC
47	37.54	131741	1.12	22000	M1622 36. _N_-__100B--	2560	405TC
39	45.05	158096	0.62	22000	M1622 45. _N_-__100B--	2560	405TC
43	41.16	142968	1.20	22000	M1632 40. _N_-__100B--	2600	405TC
39	45.64	158522	1.12	22000	M1632 45. _N_-__100B--	2600	405TC
34	51.82	179999	1.02	22000	M1632 50. _N_-__100B--	2600	405TC
30	59.38	206259	0.89	22000	M1632 56. _N_-__100B--	2600	405TC
28	63.82	221681	0.83	22000	M1632 63. _N_-__100B--	2600	405TC

125 HP

4 Pole 1750 rpm nominal input speed

158	11.17	48999	3.65	22000	M1622 11. _N_-__125B--	3315	444TC
139	12.67	55579	3.26	22000	M1622 12. _N_-__125B--	3315	444TC
126	14.01	61457	2.57	22000	M1622 14. _N_-__125B--	3315	444TC
109	16.19	71020	2.52	22000	M1622 16. _N_-__125B--	3315	444TC
101	17.49	76723	2.37	22000	M1622 18. _N_-__125B--	3315	444TC
86	20.39	89444	2.03	22000	M1622 20. _N_-__125B--	3315	444TC
75	23.51	103131	1.77	22000	M1622 22. _N_-__125B--	3315	444TC
65	27.26	119581	1.53	22000	M1622 28. _N_-__125B--	3315	444TC
56	31.41	137786	1.26	22000	M1622 32. _N_-__125B--	3315	444TC
47	37.54	164676	0.89	22000	M1622 36. _N_-__125B--	3315	444TC

150 HP

4 Pole 1750 rpm nominal input

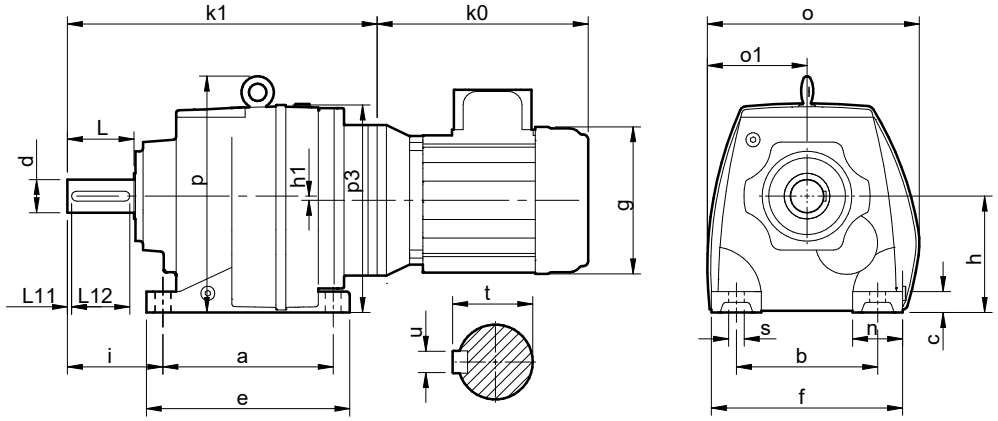
215	8.19	43128	4.01	22000	M1622 8.0 _N_-__150B--	3435	445TC
188	9.35	49234	3.55	22000	M1622 9.0 _N_-__150B--	3435	445TC
158	11.17	58799	3.04	22000	M1622 11. _N_-__150B--	3435	445TC
139	12.67	66695	2.71	22000	M1622 12. _N_-__150B--	3435	445TC
126	14.01	73749	2.14	22000	M1622 14. _N_-__150B--	3435	445TC
109	16.19	85224	2.10	22000	M1622 16. _N_-__150B--	3435	445TC
101	17.49	92068	1.98	22000	M1622 18. _N_-__150B--	3435	445TC
86	20.39	107333	1.70	22000	M1622 20. _N_-__150B--	3435	445TC
75	23.51	123757	1.48	22000	M1622 22. _N_-__150B--	3435	445TC
65	27.26	143497	1.28	22000	M1622 28. _N_-__150B--	3435	445TC
56	31.41	165343	1.05	22000	M1622 32. _N_-__150B--	3435	445TC

NOTE

Other output speeds are available using 2 and 6 pole motors.

Consult Application Engineering

DIMENSIONS - BASE MOUNTED DOUBLE/ TRIPLE REDUCTION

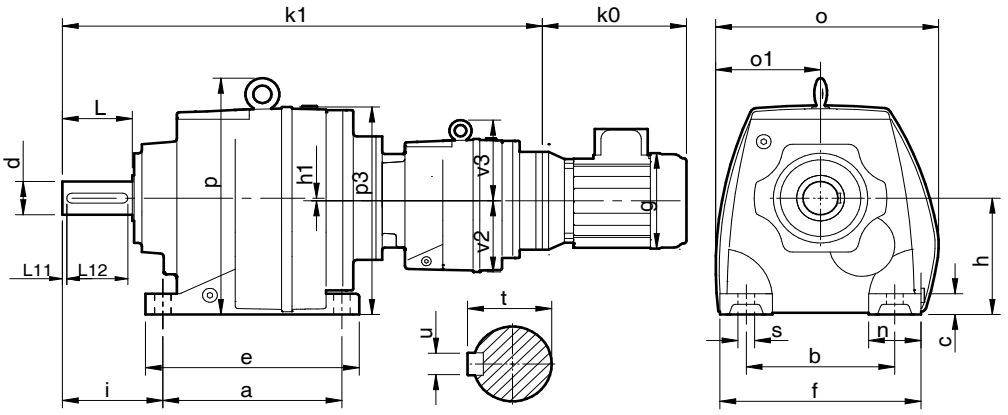


Size	a	b	c	e	f	h	h1	i	n	o	o1	p	p3	s	d	L	L12	t	u
M0122 M0132	4.33	4.33	0.47	5.16	5.31	2.95	0	2.28	0.98	5.98	2.99	-	5.87	0.39	0.7500 0.7495	1.57	1.38	0.83	0.188
M0222 M0232	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	1.38	6.69	3.31	-	7.09	0.39	1.0000 0.9995	1.97	1.38	1.11	0.250
M0322 M0332	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	1.38	6.69	3.31	-	7.09	0.39	1.0000 0.9995	1.97	1.38	1.11	0.250
M0422 M0432	6.50	5.31	0.79	7.87	7.48	4.53	0	3.54	2.17	8.03	3.82	-	8.19	0.59	1.2500 1.2495	2.36	2.13	1.36	0.250
M0522 M0532	6.50	5.31	0.79	7.87	7.48	4.53	0	3.94	2.17	8.03	3.82	-	8.19	0.59	1.3750 1.3745	2.76	2.53	1.51	0.313
M0622 M0632	7.68	5.91	0.94	9.25	8.27	5.12	0.57	3.94	2.36	8.66	4.33	9.69	8.43	0.59	1.3750 1.3745	2.76	2.53	1.51	0.313
M0722 M0732	8.07	6.69	0.98	9.65	9.06	5.51	0	4.53	2.36	9.92	4.69	11.61	9.84	0.75	1.6250 1.6240	3.15	2.53	1.78	0.375
M0822 M0832	10.24	8.46	1.38	12.20	11.42	7.09	0	5.51	2.95	12.60	6.57	14.17	12.20	0.75	2.1250 2.1240	3.94	3.00	2.34	0.500
M0922 M0932	12.20	9.84	1.77	14.37	13.39	8.86	0	6.30	3.54	14.76	6.93	18.31	15.55	0.87	2.3750 2.3740	4.72	4.00	2.65	0.625
M1022 M1032	14.57	11.42	1.77	17.32	15.75	9.84	0	7.28	4.33	17.13	8.11	20.63	17.56	1.06	2.8750 2.8740	5.51	5.00	3.20	0.750
M1322 M1332	16.14	13.39	2.36	19.29	17.72	12.40	0.69	8.66	4.33	18.90	9.09	24.21	20.31	1.30	3.6250 3.6240	6.69	6.30	4.01	0.875
M1422 M1432	19.69	14.96	2.76	23.23	20.87	13.98	0.93	10.24	5.91	21.06	10.55	26.77	22.87	1.54	4.0000 3.9990	8.27	8.00	4.44	1.000
M1622 M1632	22.83	19.69	3.15	26.38	25.98	16.73	1.66	10.63	6.30	29.92	13.19	31.69	26.57	1.54	5.0000 4.9990	8.27	8.00	5.50	1.250

Size			M0122	M0132	M0222	M0232	M0322	M0332	M0422	M0432	M0522	M0532	M0622	M0632	M0722	M0732	M0822	M0832	M0922	M0932	M1022	M1032	M1322	M1332	M1422	M1432	M1622	M1632
	k0	**g**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**
56C	12.00	6.88	9.45	10.04	10.67	11.18	10.67	11.18	12.13	13.03	12.52	13.43	13.35	14.25	14.84	15.39	19.06	18.78	-	22.91	-	-	-	-	-	-	-	-
143-145TC	12.00	7.19	9.45	10.04	10.67	11.18	10.67	11.18	12.13	13.03	12.52	13.43	13.35	14.25	14.84	15.39	19.06	18.78	-	22.91	-	-	-	-	-	-	-	-
182-184TC	15.50	8.68	9.13	9.72	10.35	10.87	10.35	10.87	13.11	12.72	13.50	13.11	14.33	13.94	15.20	16.38	19.06	19.13	20.79	22.91	23.98	25.43	28.31	28.78	32.83	33.43	-	38.50
213-215TC	16.50	10.25	-	-	-	-	-	-	13.11	-	13.50	-	14.33	-	15.20	16.38	19.06	19.13	20.79	22.91	23.98	25.43	28.31	28.78	32.83	33.43	-	38.50
254-256TC	20.00	12.88	-	-	-	-	-	-	-	-	-	-	-	-	15.12	-	19.06	19.06	22.17	22.91	25.16	26.81	28.31	29.96	32.83	34.61	-	38.50
284-286TC	23.25	14.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.28	-	25.28	26.93	28.43	30.08	32.95	34.72	43.59	38.62
324-326TC	25.25	16.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.95	-	25.91	27.60	29.06	30.71	33.58	35.35	44.21	39.25
364-365TC	27.00	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.75	-	40.28	-	44.84	45.94
404-405TC	30.00	20.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.13	-	41.65	-	46.21	47.32
444-445TC	36.00	22.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.46	-

DIMENSIONS - BASE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION

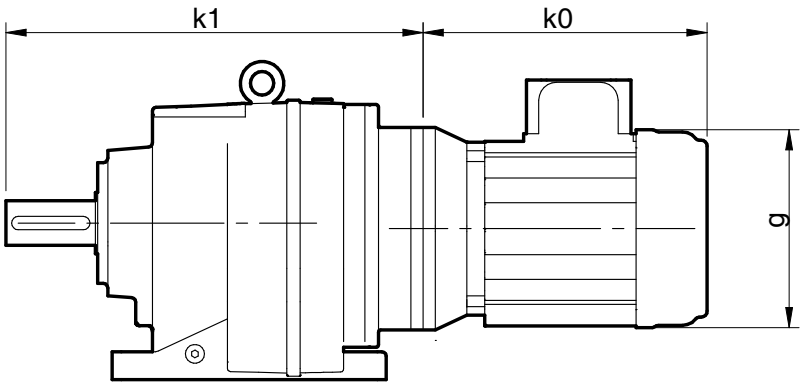
M



Size	a	b	c	e	f	h	h1	i	n	o	o1	p	p3	s	d	L	L12	t	u	v2	v3
M0342 M0352	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	1.38	6.69	3.31	-	7.09	0.39	1.0000 0.9995	1.97	1.38	1.11	0.250	2.99	2.91
M0442 M0452	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	1.38	6.69	3.31	-	7.09	0.39	1.0000 0.9995	1.97	1.38	1.11	0.250	2.99	2.91
M0542 M0552	6.50	5.31	0.79	7.87	7.48	4.53	0	3.94	2.17	8.03	3.82	-	8.19	0.59	1.3750 1.3745	2.76	2.53	1.51	0.313	3.58	3.54
M0642 M0652	7.68	5.91	0.94	9.25	8.27	5.12	0	3.94	2.36	8.66	4.33	9.69	8.43	0.59	1.3750 1.3745	2.76	2.53	1.51	0.313	3.58	3.54
M0742 M0752	8.07	6.69	0.98	9.65	9.06	5.51	0	4.53	2.36	9.92	4.69	11.61	9.84	0.75	1.6250 1.6240	3.15	2.53	1.78	0.375	3.58	3.54
M0842 M0852	10.24	8.46	1.38	12.20	11.42	7.09	0	5.51	2.95	12.60	6.57	14.17	12.20	0.75	2.1250 2.1240	3.94	3.00	2.34	0.500	4.53	3.66
M0942 M0952	12.20	9.84	1.77	14.37	13.39	8.86	0	6.30	3.54	14.76	6.93	18.31	15.55	0.87	2.3750 2.3740	4.72	4.00	2.65	0.625	4.53	3.66
M1042 M1052	14.57	11.42	1.77	17.32	15.75	9.84	0	7.28	4.33	17.13	8.11	20.63	17.56	1.06	2.8750 2.8740	5.51	5.00	3.20	0.750	5.51	6.10
M1342 M1352	16.14	13.39	2.36	19.29	17.72	12.40	0.69	8.66	4.33	18.90	9.09	24.21	20.31	1.30	3.6250 3.6240	6.69	6.30	4.01	0.875	5.51	6.10
M1442 M1452	19.69	14.96	2.76	23.23	20.87	13.98	0.93	10.24	5.91	21.06	10.55	26.77	22.87	1.54	4.0000 3.9990	8.27	8.00	4.44	1.000	5.51	6.10
M1642 M1652	22.83	19.69	3.15	26.38	25.98	16.73	1.66	10.63	6.30	29.92	13.19	31.69	26.57	1.54	5.0000 4.9990	8.27	8.00	5.50	1.250	9.06	9.45

Size			M0342	M0352	M0442	M0452	M0542	M0552	M0642	M0652	M0742	M0752	M0842	M0852	M0942	M0952	M1042	M1052	M1342	M1352	M1442	M1452	M1642	M1652
	k0	g	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1
56C	12.00	6.88	17.99	18.58	20.67	21.18	21.06	21.57	21.89	22.40	23.35	23.86	27.17	28.07	30.31	31.22	35.16	35.71	39.76	40.31	44.29	44.84	-	46.38
143-145TC	12.00	7.19	17.99	18.58	20.67	21.18	21.06	21.57	21.89	22.40	23.35	23.86	27.17	28.07	30.31	31.22	35.16	35.71	39.76	40.31	44.29	44.84	-	46.38
182-184TC	15.50	8.68	17.68	18.27	20.35	20.87	20.75	21.26	21.57	22.09	23.03	23.54	28.15	27.76	31.30	30.91	35.51	36.69	40.12	41.30	44.65	45.83	60.00	46.38
213-215TC	16.50	10.25	-	-	-	-	-	-	-	-	-	-	28.15	-	31.30	-	35.51	36.69	40.12	41.30	44.65	45.83	60.00	46.38
254-256TC	20.00	12.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.43	-	40.04	-	44.57	-	61.38	46.38
284-286TC	23.25	14.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.50	-
324-326TC	25.25	16.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.17	-
364-365TC	27.00	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.48	-
404-405TC	30.00	20.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.48	-
444-445TC	36.00	22.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.48	-

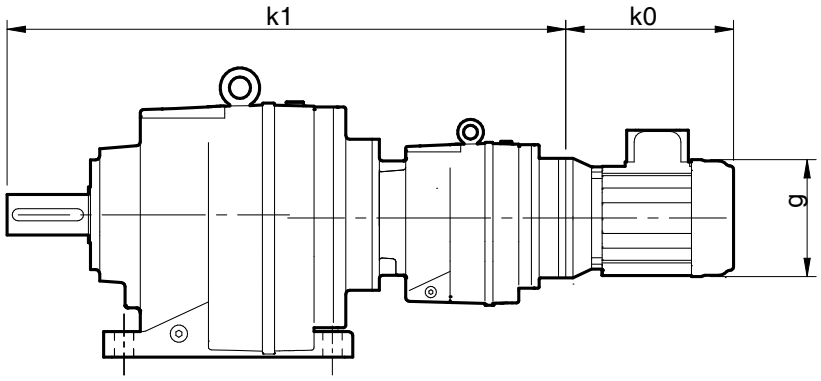
DIMENSIONS - BASE MOUNTED UNITS WITH COMPACT MOTOR



Size		M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822	
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	6.89	9.06	8.11	9.06	8.11	9.06										
0.50 HP	5.51	6.89	9.06	8.11	9.06	8.11	9.06										
0.75 HP	6.30	6.89	11.02	8.11	11.02	8.11	11.02	10.16	10.43	10.55	10.43	11.38	10.43				
1.00 HP	6.30	6.89	11.81	8.11	11.81	8.11	11.81	10.16	11.22	10.55	11.22	11.38	11.22				
1.50 HP	7.09	6.89	12.99	8.11	12.99	8.11	12.99	10.16	12.40	10.55	12.40	11.38	12.40	12.80	11.81		
2.00 HP	7.09	6.89	14.37	8.11	14.37	8.11	14.37	10.16	13.78	10.55	13.78	11.38	13.78	12.80	13.19		
3.00 HP	7.87							10.16	13.98	10.55	13.98	11.38	13.98	12.80	13.39	15.55	13.19
4.00 HP	7.87							10.16	14.37	10.55	14.37	11.38	14.37	12.80	13.78	15.55	13.78
5.50 HP	8.86							10.16	16.73	10.55	16.73	11.38	16.73	12.80	16.14	15.55	15.75
7.50 HP	10.24							10.16	19.49	10.55	19.49	11.38	19.49	12.80	18.90	15.55	18.70
10.0 HP	10.24													12.80	18.90	15.55	18.70

Size		M0132		M0232		M0332		M0432		M0532		M0632		M0732		M0832		M0932	
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	7.48	9.06	8.62	9.06	8.62	9.06	10.47	9.06	10.87	9.06	11.69	9.06						
0.50 HP	5.51	7.48	9.06	8.62	9.06	8.62	9.06	10.47	9.06	10.87	9.06	11.69	9.06						
0.75 HP	6.30	7.48	11.02	8.62	11.02	8.62	11.02	10.47	11.02	10.87	11.02	11.69	11.02	13.43	10.43				
1.00 HP	6.30	7.48	11.81	8.62	11.81	8.62	11.81	10.47	11.81	10.87	11.81	11.69	11.81	13.43	11.22				
1.50 HP	7.09	7.48	12.99	8.62	12.99	8.62	12.99	10.47	12.99	10.87	12.99	11.69	12.99	13.43	12.40	16.73	11.81		
2.00 HP	7.09	7.48	14.37	8.62	14.37	8.62	14.37	10.47	14.37	10.87	14.37	11.69	14.37	13.43	13.78	16.73	13.19		
3.00 HP	7.87													13.43	13.98	16.73	13.39	19.45	13.19
4.00 HP	7.87													13.43	14.37	16.73	13.78	19.45	13.78
5.50 HP	8.86													13.43	16.73	16.73	16.14	19.45	15.75
7.50 HP	10.24													13.43	19.49	16.73	18.90	19.45	18.70
10.0 HP	10.24															16.73	18.90	19.45	18.70

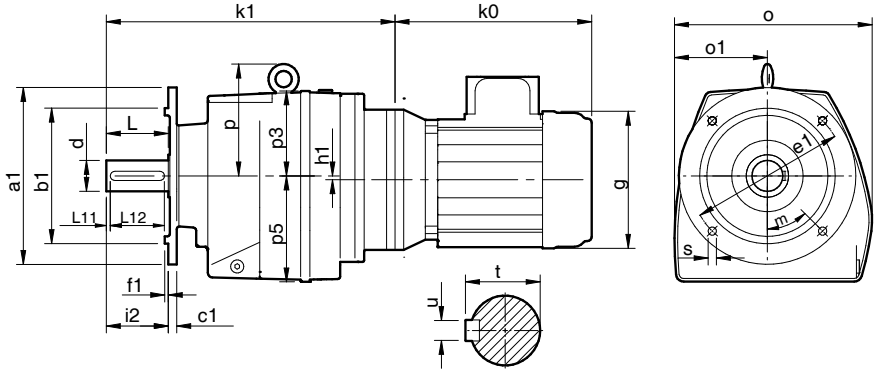
DIMENSIONS - BASE MOUNTED UNITS WITH COMPACT MOTOR



Size		M0342		M0442		M0542		M0642		M0742		M0842		M0942		M1042		M1342		M1442	
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	15.43	9.06	18.11	9.06	18.50	9.06	19.33	9.06	20.79	9.06										
0.50 HP	5.51	15.43	9.06	18.11	9.06	18.50	9.06	19.33	9.06	20.79	9.06										
0.75 HP	6.22	15.43	11.02	18.11	11.02	18.50	11.02	19.33	11.02	20.79	11.02	25.20	10.43	28.35	38.66						
1.00 HP	6.22	15.43	11.81	18.11	11.81	18.50	11.81	19.33	11.81	20.79	11.81	25.20	11.22	28.35	38.66						
1.50 HP	7.09											25.20	12.40	28.35	40.83	33.11	45.04	37.72	49.65	42.24	54.17
2.00 HP	7.09											25.20	13.78	28.35	40.83	33.11	45.04	37.72	49.65	42.24	54.17
3.00 HP	7.80											25.20	13.98	28.35	42.24	33.11	46.46	37.72	51.06	42.24	55.59
4.00 HP	7.80											25.20	14.37	28.35	42.24	33.11	46.46	37.72	51.06	42.24	55.59
5.50 HP	8.74															33.11	47.72	37.72	52.32	42.24	56.85
7.50 HP	10.31															33.11	50.16	37.72	54.76	42.24	59.29
10.0 HP	10.31															33.11	50.16	37.72	54.76	42.24	59.29

Size		M0352		M0452		M0552		M0652		M0752		M0852		M0952		M1052		M1352		M1452		M1652	
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	16.02	9.06	18.62	9.06	19.02	9.06	19.84	9.06	21.30	9.06	25.51	9.06	28.66	37.40								
0.50 HP	5.51	16.02	9.06	18.62	9.06	19.02	9.06	19.84	9.06	21.30	9.06	25.51	9.06	28.66	37.40								
0.75 HP	6.22	16.02	11.02	18.62	11.02	19.02	11.02	19.84	11.02	21.30	11.02	25.51	11.02	28.66	39.57	33.74	44.06	38.35	48.66	42.87	53.19		
1.00 HP	6.22	16.02	11.81	18.62	11.81	19.02	11.81	19.84	11.81	21.30	11.81	25.51	11.81	28.66	39.57	33.74	44.06	38.35	48.66	42.87	53.19		
1.50 HP	7.09															33.74	46.22	38.35	50.83	42.87	55.35		
2.00 HP	7.09															33.74	46.22	38.35	50.83	42.87	55.35		
3.00 HP	7.80															33.74	47.64	38.35	52.24	42.87	56.77	58.62	71.97
4.00 HP	7.80															33.74	47.64	38.35	52.24	42.87	56.77	58.62	71.97
5.50 HP	8.74																					58.62	73.23
7.50 HP	10.31																					58.62	75.67
10.0 HP	10.31																					58.62	75.67

DIMENSIONS - FLANGE MOUNTED DOUBLE/ TRIPLE REDUCTION

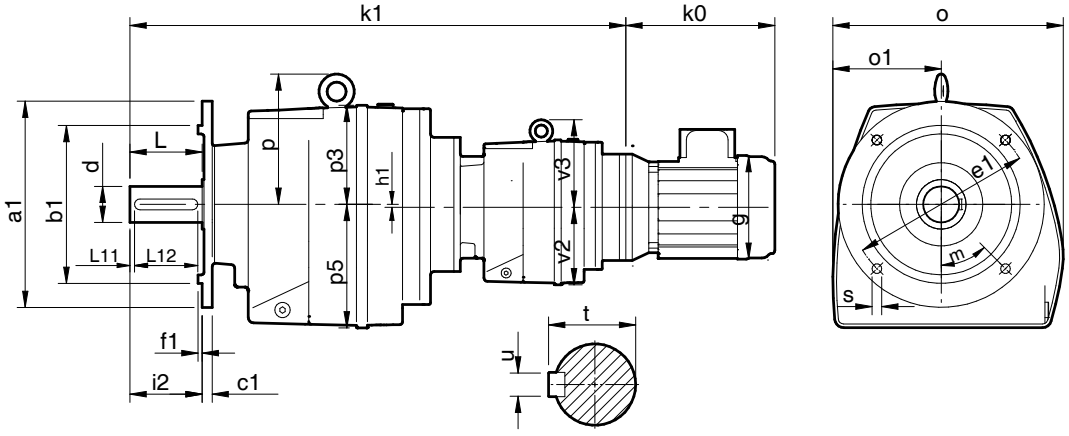


Size	a1	b1	c1	e1	f1	s	m	h1	i2	o	o1	p	p3	p5	d	L	L12	t	u
M0122 M0132	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.57	5.98	2.99	-	2.91	2.99	0.7500 0.7495	1.57	1.38	0.83	0.188
	5.51	3.74	0.39	4.53	0.12	4 x 0.35													
	6.30	4.33	0.39	5.12	0.14	4 x 0.35													
	7.87	5.12	0.39	6.50	0.14	4 x 0.43													
M0222 M0232	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.97	6.69	3.31	-	3.54	3.58	1.0000 0.9995	1.97	1.38	1.11	0.25
	5.51	3.74	0.39	4.53	0.12	4 x 0.35													
	6.30	4.33	0.39	5.12	0.14	4 x 0.35													
	7.87	5.12	0.39	6.50	0.14	4 x 0.43													
M0322 M0332	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.97	6.69	3.31	-	3.54	3.58	1.0000 0.9995	1.97	1.38	1.11	0.25
	5.51	3.74	0.39	4.53	0.12	4 x 0.35													
	6.30	4.33	0.39	5.12	0.14	4 x 0.35													
	7.87	5.12	0.39	6.50	0.14	4 x 0.43													
M0422 M0432	5.51	3.74	0.43	4.53	0.12	4 x 0.35	45°	0	2.36	8.03	3.82	-	3.66	4.53	1.2500 1.2495	2.36	2.13	1.36	0.25
	6.30	4.33	0.43	5.12	0.14	4 x 0.35													
	7.87	5.12	0.43	6.50	0.14	4 x 0.43													
	9.84	7.09	0.43	8.46	0.16	4 x 0.50													
M0522 M0532	5.51	3.74	0.43	4.53	0.12	4 x 0.35	45°	0	2.76	8.03	3.82	-	3.66	4.53	1.3750 1.3745	2.76	2.53	1.51	0.3125
	6.30	4.33	0.43	5.12	0.14	4 x 0.35													
	7.87	5.12	0.43	6.50	0.14	4 x 0.43													
	9.84	7.09	0.43	8.46	0.16	4 x 0.50													
M0622 M0632	7.87	5.12	0.43	6.50	0.14	4 x 0.43	45°	0.57	2.76	8.66	4.33	4.57	3.31	5.12	1.3750 1.3745	2.76	2.53	1.51	0.313
	9.84	7.09	0.43	8.46	0.16	4 x 0.50													
	11.81	9.06	0.43	10.43	0.16	4 x 0.50													
M0722 M0732	7.87	5.12	0.43	6.50	0.14	4 x 0.43	45°	0	3.15	9.92	4.69	6.10	4.33	5.51	1.6250 1.6240	3.20	2.53	1.78	0.375
	9.84	7.09	0.43	8.46	0.16	4 x 0.50													
	11.81	9.06	0.43	10.43	0.16	4 x 0.50													
M0822 M0832	11.81	9.06	0.67	10.43	0.16	4 x 0.50	45°	0	3.94	12.60	6.57	7.09	5.12	7.17	2.1250 2.1240	3.94	3.00	2.34	0.50
	13.78	9.84	0.67	11.81	0.20	4 x 0.70													
M0922	13.78	9.84	0.71	11.81	0.20	4 x 0.70	45°	0	4.72	14.76	6.93	9.45	6.69	9.06	2.3750 2.3740	4.72	4.00	2.65	0.625
M0932	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°												
M1022	13.78	9.84	0.71	11.81	0.20	4 x 0.70	45°	0	5.51	17.13	8.11	10.79	7.72	10.04	2.8750 2.8740	5.51	5.00	3.30	0.75
M1032	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°												
M1322	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	0.69	6.69	18.90	9.09	11.81	7.95	12.20	3.6250 3.6240	6.69	6.30	4.01	0.875
M1332	21.65	17.72	0.98	19.69	0.20														
M1422	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	0.93	8.27	21.06	10.55	12.80	8.90	13.78	4.0000 3.9990	8.27	8.00	4.44	1.00
M1432	21.65	17.72	0.98	19.69	0.20														
M1622	21.65	17.72	0.98	19.69	0.20	8 x 0.70	22.5°	1.66	8.27	29.92	13.19	14.96	9.84	16.34	5.0000 4.9990	8.27	8.00	5.50	1.25
M1632	25.98	21.65	1.10	23.62	0.24	8 x 0.87													

Size			M0122	M0132	M0222	M0232	M0322	M0332	M0422	M0432	M0522	M0532	M0622	M0632	M0722	M0732	M0822	M0832	M0922	M0932	M1022	M1032	M1322	M1332	M1422	M1432	M1622	M1632
	k0	g	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1
56C	12.00	6.88	9.45	10.04	10.67	11.18	10.67	11.18	12.13	13.03	12.52	13.43	13.35	14.25	14.84	15.39	19.06	18.78	-	22.91	-	-	-	-	-	-	-	-
143-145TC	12.00	7.19	9.45	10.04	10.67	11.18	10.67	11.18	12.13	13.03	12.52	13.43	13.35	14.25	14.84	15.39	19.06	18.78	-	22.91	-	-	-	-	-	-	-	-
182-184TC	15.50	8.68	9.13	9.72	10.35	10.87	10.35	10.87	13.11	12.72	13.50	13.11	14.33	13.94	15.20	16.38	19.06	19.13	20.79	22.91	23.98	25.43	28.31	28.78	32.83	33.43	-	38.50
213-215TC	16.50	10.25	-	-	-	-	-	-	13.11	-	13.50	-	14.33	-	15.20	16.38	19.06	19.13	20.79	22.91	23.98	25.43	28.31	28.78	32.83	33.43	-	38.50
254-256TC	20.00	12.88	-	-	-	-	-	-	-	-	-	-	-	-	15.12	-	19.06	19.06	22.17	22.91	25.16	26.81	28.31	29.96	32.83	34.61	-	38.50
284-286TC	23.25	14.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.28	-	25.28	26.93	28.43	30.08	32.95	34.72	43.59	38.62
324-326TC	25.25	16.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.95	-	25.91	27.60	29.06	30.71	33.58	35.35	44.21	39.25
364-365TC	27.00	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.75	-	40.28	-	44.84	45.94
404-405TC	30.00	20.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.13	-	41.65	-	46.21	47.32
444-445TC	36.00	22.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.46	-

DIMENSIONS - FLANGE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION

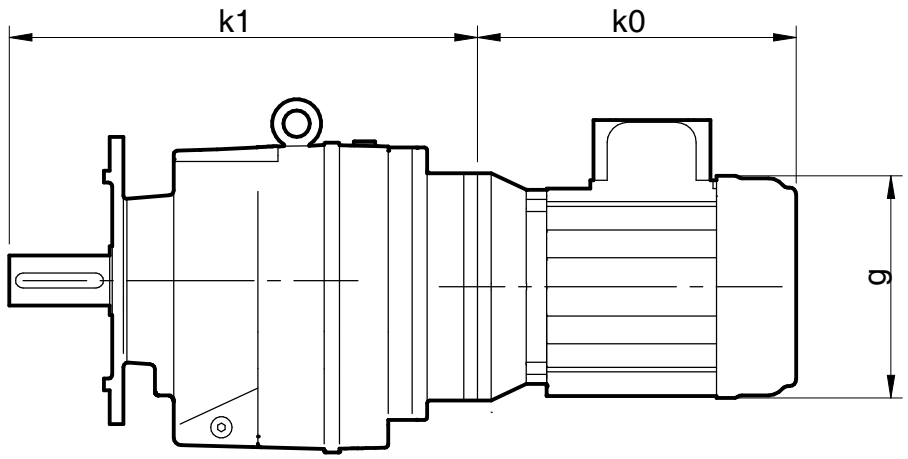
M



Size	a1	b1	c1	e1	f1	s	m	h1	i2	o	o1	p	p3	p5	d	L	L12	t	u	v2	v3
	4.72	3.15	0.39	3.94	0.12	4 x 0.35															
M0342	5.51	3.74	0.39	4.53	0.12	4 x 0.35	45°	0	1.97	6.69	3.31	-	3.54	3.58	1.0000	1.97	1.38	1.11	0.25	2.99	2.91
M0352	6.30	4.33	0.39	5.12	0.14	4 x 0.35									0.9995						
	7.87	5.12	0.39	6.50	0.14	4 x 0.43															
	5.51	3.74	0.43	4.53	0.12	4 x 0.35															
M0432	6.30	4.33	0.43	5.12	0.14	4 x 0.35	45°	0	2.36	8.03	3.82	-	3.66	4.53	1.2500	2.36	2.13	1.36	0.25	3.58	3.54
M0452	7.87	5.12	0.43	6.50	0.14	4 x 0.43									1.2495						
	9.84	7.09	0.43	8.46	0.16	4 x 0.50															
	5.51	3.74	0.43	4.53	0.12	4 x 0.35															
M0542	6.30	4.33	0.43	5.12	0.14	4 x 0.35	45°	0	2.76	8.03	3.82	-	3.66	4.53	1.3750	2.76	2.53	1.51	0.31	3.58	3.54
M0552	7.87	5.12	0.43	6.50	0.14	4 x 0.43									1.3745						
	9.84	7.09	0.43	8.46	0.16	4 x 0.50															
	7.87	5.12	0.43	6.50	0.14	4 x 0.43															
M0642	9.84	7.09	0.43	8.46	0.16	4 x 0.50	45°	0.57	2.76	8.66	4.33	4.57	3.31	5.12	1.3750	2.76	2.53	1.51	0.313	3.58	3.54
M0652	11.81	9.06	0.43	10.43	0.16	4 x 0.50									1.3745						
	7.87	5.12	0.43	6.50	0.14	4 x 0.43															
M0742	9.84	7.09	0.43	8.46	0.16	4 x 0.50	45°	0	3.15	9.92	4.69	6.10	4.33	5.51	1.6250	3.15	2.53	1.78	0.38	3.58	3.54
M0752	11.81	9.06	0.43	10.43	0.16	4 x 0.50									1.6240						
M0842	11.81	9.06	0.67	10.43	0.16	4 x 0.50	45°	0	3.94	12.60	6.57	7.09	5.12	7.17	2.1250	3.94	3.00	2.34	0.5	4.53	3.66
M0852	13.78	9.84	0.67	11.81	0.20	4 x 0.70									2.1240						
M0942	13.78	9.84	0.71	11.81	0.20	4 x 0.70	45°	0	4.72	14.76	6.93	9.45	6.69	9.06	2.3750	4.72	4.00	2.65	0.625	4.53	3.66
M0952	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°								2.3740						
M1042	13.78	9.84	0.71	11.81	0.20	4 x 0.70	45°	0	5.51	17.13	8.11	10.79	7.72	10.04	2.8750	5.51	5.00	3.30	0.75	5.51	6.10
M1052	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°								2.8740						
M1342	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	0.69	6.69	18.90	9.09	11.81	7.95	12.20	3.6250	6.69	6.30	4.01	0.875	5.51	6.10
M1352	21.65	17.72	0.98	19.69	0.20										3.6240						
M1442	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	0.93	8.27	21.06	10.55	12.80	8.90	13.78	4.0000	8.27	8.00	4.44	1.00	5.51	6.10
M1452	21.65	17.72	0.98	19.69	0.20										3.9990						
M1642	21.65	17.72	0.98	19.69	0.20	8 x 0.70	22.5°	1.66	8.27	29.92	13.19	14.96	9.84	16.34	5.0000	8.27	8.00	5.50	1.25	9.06	9.45
M1652	25.98	21.65	1.10	23.62	0.24	8 x 0.87									4.9990						

Size			M0342	M0352	M0442	M0452	M0542	M0552	M0642	M0652	M0742	M0752	M0842	M0852	M0942	M0952	M1042	M1052	M1342	M1352	M1442	M1452	M1642	M1652
	k0	g	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1
56C	12.00	6.88	17.99	18.58	20.67	21.18	21.06	21.57	21.89	22.40	23.35	23.86	27.17	28.07	30.31	31.22	35.16	35.71	39.76	40.31	44.29	44.84	-	46.38
143-145TC	12.00	7.19	17.99	18.58	20.67	21.18	21.06	21.57	21.89	22.40	23.35	23.86	27.17	28.07	30.31	31.22	35.16	35.71	39.76	40.31	44.29	44.84	-	46.38
182-184TC	15.50	8.68	17.68	18.27	20.35	20.87	20.75	21.26	21.57	22.09	23.03	23.54	28.15	27.76	31.30	30.91	35.51	36.69	40.12	41.30	44.65	45.83	60.00	46.38
213-215TC	16.50	10.25	-	-	-	-	-	-	-	-	-	-	28.15	-	31.30	-	35.51	36.69	40.12	41.30	44.65	45.83	60.00	46.38
254-256TC	20.00	12.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.43	-	40.04	-	44.57	-	61.38	46.38
284-286TC	23.25	14.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.50	-
324-326TC	25.25	16.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.17	-
364-365TC	27.00	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.48	-
404-405TC	30.00	20.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.48	-
444-445TC	36.00	22.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.48	-

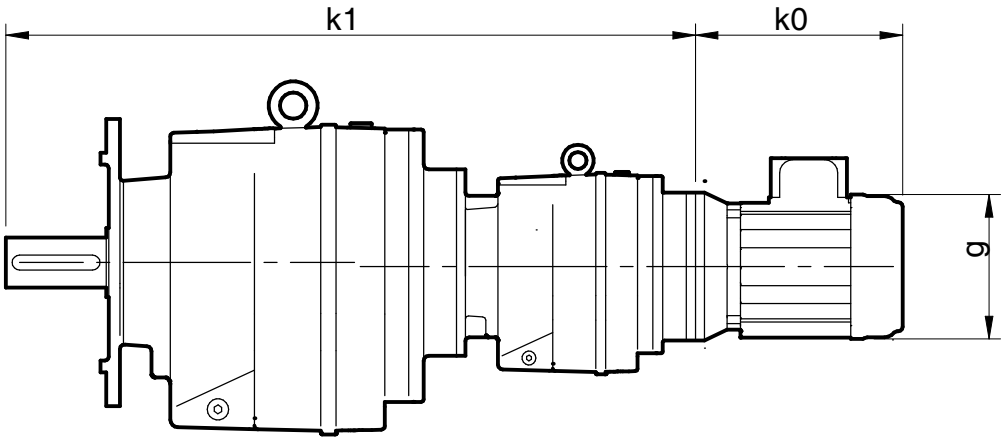
DIMENSIONS - FLANGE MOUNTED UNITS WITH COMPACT MOTOR



Size		M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822	
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	6.89	9.06	8.11	9.06	8.11	9.06										
0.50 HP	5.51	6.89	9.06	8.11	9.06	8.11	9.06										
0.75 HP	6.30	6.89	11.02	8.11	11.02	8.11	11.02	10.16	10.43	10.55	10.43	11.38	10.43				
1.00 HP	6.30	6.89	11.81	8.11	11.81	8.11	11.81	10.16	11.22	10.55	11.22	11.38	11.22				
1.50 HP	7.09	6.89	12.99	8.11	12.99	8.11	12.99	10.16	12.40	10.55	12.40	11.38	12.40	12.80	11.81		
2.00 HP	7.09	6.89	14.37	8.11	14.37	8.11	14.37	10.16	13.78	10.55	13.78	11.38	13.78	12.80	13.19		
3.00 HP	7.87							10.16	13.98	10.55	13.98	11.38	13.98	12.80	13.39	15.55	13.19
4.00 HP	7.87							10.16	14.37	10.55	14.37	11.38	14.37	12.80	13.78	15.55	13.78
5.50 HP	8.86							10.16	16.73	10.55	16.73	11.38	16.73	12.80	16.14	15.55	15.75
7.50 HP	10.24							10.16	19.49	10.55	19.49	11.38	19.49	12.80	18.90	15.55	18.70
10.0 HP	10.24													12.80	18.90	15.55	18.70

Size		M0132		M0232		M0332		M0432		M0532		M0632		M0732		M0832		M0932	
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	7.48	9.06	8.62	9.06	8.62	9.06	10.47	9.06	10.87	9.06	11.69	9.06						
0.50 HP	5.51	7.48	9.06	8.62	9.06	8.62	9.06	10.47	9.06	10.87	9.06	11.69	9.06						
0.75 HP	6.30	7.48	11.02	8.62	11.02	8.62	11.02	10.47	11.02	10.87	11.02	11.69	11.02	13.43	10.43				
1.00 HP	6.30	7.48	11.81	8.62	11.81	8.62	11.81	10.47	11.81	10.87	11.81	11.69	11.81	13.43	11.22				
1.50 HP	7.09	7.48	12.99	8.62	12.99	8.62	12.99	10.47	12.99	10.87	12.99	11.69	12.99	13.43	12.40	16.73	11.81		
2.00 HP	7.09	7.48	14.37	8.62	14.37	8.62	14.37	10.47	14.37	10.87	14.37	11.69	14.37	13.43	13.78	16.73	13.19		
3.00 HP	7.87													13.43	13.98	16.73	13.39	19.45	13.19
4.00 HP	7.87													13.43	14.37	16.73	13.78	19.45	13.78
5.50 HP	8.86													13.43	16.73	16.73	16.14	19.45	15.75
7.50 HP	10.24													13.43	19.49	16.73	18.90	19.45	18.70
10.0 HP	10.24															16.73	18.90	19.45	18.70

DIMENSIONS - FLANGE MOUNTED UNITS WITH COMPACT MOTOR



Size		M0342		M0442		M0542		M0642		M0742		M0842		M0942		M1042		M1342		M1442	
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	15.43	9.06	18.11	9.06	18.50	9.06	19.33	9.06	20.79	9.06										
0.50 HP	5.51	15.43	9.06	18.11	9.06	18.50	9.06	19.33	9.06	20.79	9.06										
0.75 HP	6.22	15.43	11.02	18.11	11.02	18.50	11.02	19.33	11.02	20.79	11.02	25.20	10.43	28.35	38.66						
1.00 HP	6.22	15.43	11.81	18.11	11.81	18.50	11.81	19.33	11.81	20.79	11.81	25.20	11.22	28.35	38.66						
1.50 HP	7.09											25.20	12.40	28.35	40.83	33.11	45.04	37.72	49.65	42.24	54.17
2.00 HP	7.09											25.20	13.78	28.35	40.83	33.11	45.04	37.72	49.65	42.24	54.17
3.00 HP	7.80											25.20	13.98	28.35	42.24	33.11	46.46	37.72	51.06	42.24	55.59
4.00 HP	7.80											25.20	14.37	28.35	42.24	33.11	46.46	37.72	51.06	42.24	55.59
5.50 HP	8.74															33.11	47.72	37.72	52.32	42.24	56.85
7.50 HP	10.31															33.11	50.16	37.72	54.76	42.24	59.29
10.0 HP	10.31															33.11	50.16	37.72	54.76	42.24	59.29

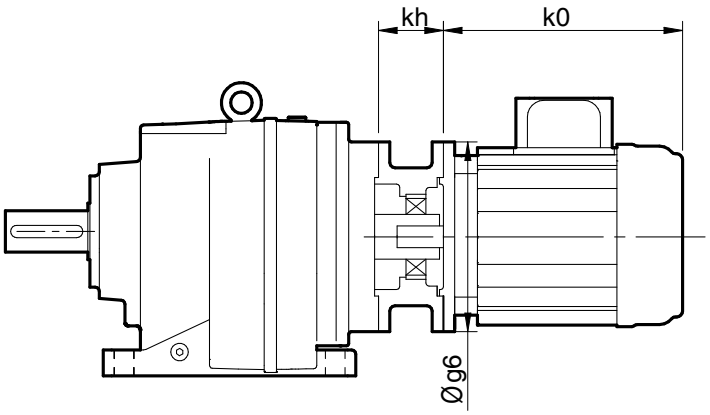
Size		M0352		M0452		M0552		M0652		M0752		M0852		M0952		M1052		M1352		M1452		M1652	
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	16.02	9.06	18.62	9.06	19.02	9.06	19.84	9.06	21.30	9.06	25.51	9.06	28.66	37.40								
0.50 HP	5.51	16.02	9.06	18.62	9.06	19.02	9.06	19.84	9.06	21.30	9.06	25.51	9.06	28.66	37.40								
0.75 HP	6.22	16.02	11.02	18.62	11.02	19.02	11.02	19.84	11.02	21.30	11.02	25.51	11.02	28.66	39.57	33.74	44.06	38.35	48.66	42.87	53.19		
1.00 HP	6.22	16.02	11.81	18.62	11.81	19.02	11.81	19.84	11.81	21.30	11.81	25.51	11.81	28.66	39.57	33.74	44.06	38.35	48.66	42.87	53.19		
1.50 HP	7.09															33.74	46.22	38.35	50.83	42.87	55.35		
2.00 HP	7.09															33.74	46.22	38.35	50.83	42.87	55.35		
3.00 HP	7.80															33.74	47.64	38.35	52.24	42.87	56.77	58.62	71.97
4.00 HP	7.80															33.74	47.64	38.35	52.24	42.87	56.77	58.62	71.97
5.50 HP	8.74																					58.62	73.23
7.50 HP	10.31																					58.62	75.67
10.0 HP	10.31																					58.62	75.67

MOTORIZED BACKSTOP MODULE

Motorized backstop modules can be fitted between the gear unit and motor. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (rpm).
To ensure correct operation motor speed must exceed lift off speed.

Suitable for ambient temperature -40°F to + 120°F

Warning
Removal of motor or backstop will release the drive. Ensure all driven machinery is secure prior to any maintenance work



IEC B5 Flange

Motor Frame Size	Lift off speed 'n' min (rpm)	Rated locking torque 'T max' (at motor) lb.in	øg6	kh
100	670	1500	9.85"	2.76"
112	670	1500	9.85"	2.76"
132	620	8320	11.81"	3.74"
160	620	8320	13.78"	5.12"
180	620	8320	13.78"	5.12"
200	550	11150	15.75"	5.12"

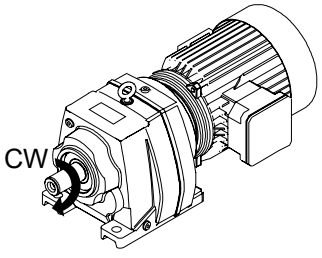
NEMA C Flange

Motor Frame Size	Lift off speed 'n' min (rpm)	Rated locking torque 'T max' (at motor) lb.in	øg6	kh
182TC / 184TC	670	2655	9.00"	3.75"
213TC / 215 TC	670	2655	9.00"	3.75"
254TC / 256TC	620	8320	9.00"	4.75"
284TC / 286TC	620	8320	11.00"	5.38"
324TC / 326TC	550	11150	13.00"	6.00"

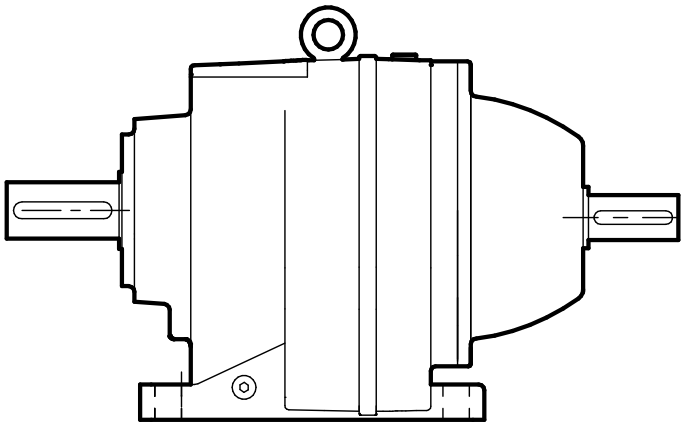
When a backstop module is fitted dimension kh should be added to the overall length of the geared motor assembly.

Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise



M



REDUCER
SERIES M

M

Maximum Permissible Overhung Loads

When a sprocket, gear etc. is mounted on the shaft a calculation, as below, must be made to determine the overhung load on the shaft, and the results compared to the maximum permissible overhung loads tabulated. Overhung loads can be reduced by increasing the diameter of the sprocket, gear, etc. If the maximum permissible overhung load is exceeded, the sprocket, gear, etc. should be mounted on a separate shaft, flexibly coupled and supported in its own bearings, or the gear unit shaft should be extended to run in an outboard bearing. Alternatively, a larger gear is often a less expensive solution.

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavourable direction with the unit transmitting full rated power and the load P applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to our Application Engineers for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life.

All units will accept 100% momentary overload on stated capacities.

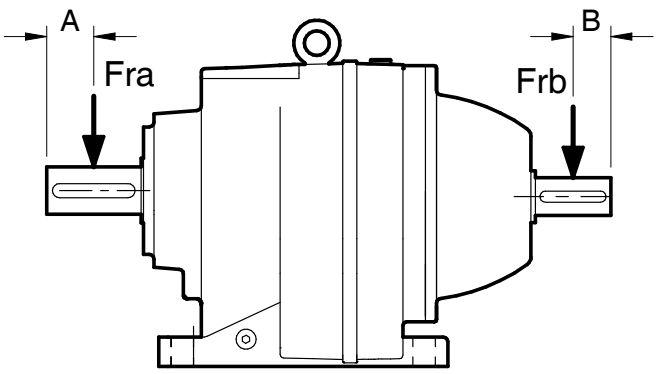
Overhung load (lbf)

$$P = \frac{HP \times 63000 \times K}{N \times R}$$

where

P	=	equivalent overhung load (lbf)
HP	=	power transmitted by the shaft (HP)
N	=	speed of shaft (rpm)
R	=	pitch radius of sprocket, etc. (inches)
K	=	K factor

Note: 1 lbf = 4.45 Newton



Overhung member	K factor
Chain sprocket*	1.00
Spur or helical pinion	1.25
Vee belt sheave	1.50
Flat belt pulley	2.00

* If multistrand chain drives are equally loaded and the outer strand is further than dimension Fra output or Frb input, refer to our Application Engineers.

Distance midway along the shaft extension

Size	No. of Reductions	Dimensions A (inches)	Dimensions B (inches)
M01	2 - 3	0.79	0.79
M02	2 - 3	0.98	0.79
M03	2 - 5	0.98	0.79
M04	2 - 5	1.18	0.79
M05	2 - 5	1.38	0.79
M06	2 - 5	1.38	0.79
M07	2	1.57	0.98
	3	1.57	0.79
	4 - 5	1.57	0.79
M08	2	1.97	1.18
	3	1.97	0.98
	4 - 5	1.97	0.79
M09	2	2.36	1.57
	3	2.36	1.18
	4 - 5	2.36	0.79
M10	2	2.76	2.17
	3	2.76	1.57
	4	2.76	0.98
	5	2.76	0.79
M13	2 -3	3.35	2.17
	4	3.35	0.98
	5	3.35	0.79
M14	2 - 3	4.13	2.17
	4	4.13	0.98
	5	4.13	0.79
M16	2	4.13	2.76
	3	4.13	2.17
	4	4.13	1.57
	5	4.13	1.18

Axial Thrust Capacities (lbf)

No check or calculation is required if the axial thrust load (F_A) towards or away from the unit is under 50% of the permissible overhung load. If the axial thrust considerably exceeds these values or if there is a combination of axial thrust loads and overhung loads please contact our Application Engineers.

Inputshaft Overhung Loads, Frb (lbf) 1750 rpm

Two, Three, Four and Five Stage Units

	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	M13	M14	M16
2 Stage	315	345	325	250	230	190	345	315	315	535	1450	1490	2500
3 Stage	345	365	365	315	315	315	380	470	735	880	2500	2500	2500
4 Stage	-	-	315	315	315	315	315	365	365	470	470	470	470
5 Stage	-	-	315	315	315	315	315	365	365	470	470	470	470

For Output Shaft Overhung Loads (Fra) Consult the Ratings Tables

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

M

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M0122	3.6	3.750	467	493	3.72	255	309	566	2.83	270	933	391	5.91	250	233	622	2.35	270
	5.0	5.066	345	562	3.19	260	229	645	2.43	280	691	445	5.06	250	173	679	1.93	290
	5.6	5.762	304	594	2.97	265	201	671	2.22	285	607	471	4.71	250	152	701	1.75	300
	6.3	6.528	268	623	2.75	270	178	689	2.01	290	536	494	4.36	250	134	720	1.59	320
	8.0	8.348	210	683	2.36	280	139	727	1.66	320	419	545	3.76	250	105	766	1.32	350
	9.0	8.997	195	692	2.21	280	129	737	1.56	330	389	560	3.58	260	97	782	1.25	390
	11.	11.36	154	724	1.83	300	102	782	1.31	360	308	612	3.10	270	77	794	1.01	410
	12.	12.88	136	742	1.66	320	90	794	1.18	385	272	641	2.87	270	68	800	0.894	420
	14.	14.71	119	763	1.49	335	79	800	1.04	410	238	673	2.63	280	59	800	0.783	420
	16.	16.37	107	783	1.38	350	71	800	0.932	420	214	697	2.45	290	53	800	0.703	350
	18.	18.05	97	794	1.27	390	64	800	0.846	420	194	710	2.26	300	48	800	0.638	350
	20.	19.86	88	800	1.16	410	58	800	0.769	420	176	721	2.09	310	44	800	0.580	350
	22.	23.27	75	800	0.990	420	50	800	0.656	420	150	742	1.84	320	38	800	0.495	350
	28.	27.92	63	800	0.825	420	42	800	0.547	420	125	767	1.58	350	31	800	0.412	350
	32.	32.54	54	800	0.708	420	36	800	0.469	420	108	791	1.40	370	27	800	0.354	350
	36.	36.16	48	800	0.637	420	32	800	0.422	420	97	800	1.27	380	24	800	0.318	350
	45.	43.54	40	741	0.490	420	27	741	0.325	420	80	741	0.980	390	20	741	0.245	350
	50.	49.91	35	636	0.367	420	23	636	0.243	420	70	635	0.732	400	18	636	0.183	420
	56.	56.72	31	625	0.317	420	20	626	0.211	420	62	624	0.633	420	15	626	0.159	420
M0132	56.	58.46	30	800	0.392	420	20	800	0.260	420	60	800	0.783	420	15	800	0.196	420
	63.	64.45	27	800	0.355	420	18	800	0.236	420	54	800	0.711	420	14	800	0.178	420
	71.	70.93	25	800	0.323	420	16	800	0.214	420	49	800	0.646	420	12	800	0.161	420
	80.	83.10	21	800	0.276	420	14	800	0.183	420	42	800	0.551	420	10.5	800	0.138	420
	100	99.70	18	800	0.230	420	12	800	0.152	420	35	800	0.459	420	8.8	800	0.115	420
	112	116.2	15	800	0.197	420	10	800	0.131	420	30	800	0.394	420	7.5	800	0.099	420
	125	129.1	14	800	0.177	420	9.0	800	0.118	420	27	800	0.355	420	6.8	800	0.089	420
	160	155.5	11	800	0.147	420	7.5	800	0.098	420	23	800	0.295	420	5.6	800	0.074	420
	180	178.2	9.8	800	0.129	420	6.5	800	0.085	420	20	800	0.257	420	4.9	800	0.064	420
	200	202.6	8.6	800	0.113	420	5.7	800	0.075	420	17	800	0.226	420	4.3	800	0.057	420
M0222	3.6	3.589	488	833	6.58	680	323	956	5.00	680	975	660	10.42	630	244	1050	4.14	680
	5.0	5.034	348	963	5.51	660	230	1110	4.21	665	695	763	8.73	630	174	1180	3.37	680
	5.6	5.547	315	1000	5.19	660	209	1150	3.96	660	631	794	8.24	630	158	1200	3.11	680
	6.3	6.299	278	1060	4.84	650	184	1190	3.60	670	556	837	7.65	630	139	1240	2.83	690
	8.0	8.000	219	1160	4.17	640	145	1250	2.98	700	438	921	6.63	640	109	1310	2.36	760
	9.0	9.088	193	1200	3.80	650	128	1280	2.69	735	385	965	6.11	640	96	1350	2.14	820
	11.	11.15	157	1250	3.23	675	104	1340	2.29	800	314	1040	5.37	645	78	1410	1.82	840
	12.	12.37	141	1270	2.96	690	94	1380	2.13	830	283	1080	5.03	645	71	1410	1.64	870
	14.	14.05	125	1300	2.66	730	83	1410	1.91	870	249	1130	4.63	650	62	1410	1.44	900
	16.	15.97	110	1360	2.45	755	73	1410	1.68	900	219	1200	4.33	650	55	1410	1.27	900
	18.	17.58	100	1370	2.24	800	66	1410	1.53	900	199	1220	4.00	650	50	1410	1.15	900
	20.	20.23	87	1410	2.01	845	57	1410	1.33	900	173	1250	3.56	670	43	1410	1.00	900
	22.	21.99	80	1410	1.85	890	53	1410	1.22	900	159	1270	3.32	690	40	1410	0.923	900
	28.	26.40	66	1410	1.54	900	44	1410	1.02	900	133	1310	2.86	760	33	1410	0.769	900
	32.	31.68	55	1410	1.28	900	37	1410	0.849	900	110	1360	2.47	860	28	1410	0.641	900
	36.	35.69	49	1410	1.14	900	33	1410	0.754	900	98	1390	2.24	900	25	1410	0.569	900
	45.	41.49	42	1410	0.978	900	28	1410	0.648	900	84	1410	1.96	900	21	1410	0.489	900
	50.	47.09	37	1410	0.862	900	25	1410	0.571	900	74	1410	1.72	900	19	1410	0.431	900
	56.	53.54	33	1410	0.758	900	22	1410	0.502	900	65	1410	1.52	900	16	1410	0.379	900
M0232	56.	57.03	31	1410	0.708	900	20	1410	0.469	900	61	1410	1.42	900	15	1410	0.354	900
	63.	62.87	28	1410	0.642	900	18	1410	0.426	900	56	1410	1.28	900	14	1410	0.321	900
	71.	69.19	25	1410	0.583	900	17	1410	0.387	900	51	1410	1.17	900	13	1410	0.292	900
	80.	81.07	22	1410	0.498	900	14	1410	0.330	900	43	1410	0.996	900	11	1410	0.249	900
	100	97.26	18	1410	0.415	900	12	1410	0.275	900	36	1410	0.830	900	9.0	1410	0.207	900
	112	113.4	15	1410	0.356	900	10	1410	0.236	900	31	1410	0.712	900	7.7	1410	0.178	900
	125	126.0	14	1410	0.320	900	9.2	1410	0.212	900	28	1410	0.641	900	6.9	1410	0.160	900
	160	151.7	12	1410	0.266	900	7.6	1410	0.176	900	23	1410	0.532	900	5.8	1410	0.133	900
	180	173.9	10	1410	0.232	900	6.7	1410	0.154	900	20	1410	0.464	900	5.0	1410	0.116	900
	200	197.6	8.9	1410	0.204	900	5.9	1410	0.135	900	18	1410	0.409	900	4.4	1410	0.102	900

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	*i*n	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M0322	3.6	3.589	488	991	7.82	560	323	1120	5.86	560	975	803	12.68	530	244	1220	4.82	560
	5.0	5.034	348	1130	6.46	535	230	1280	4.85	535	695	919	10.51	520	174	1400	4.00	540
	5.6	5.547	315	1170	6.07	530	209	1330	4.57	530	631	953	9.89	510	158	1450	3.76	530
	6.3	6.299	278	1230	5.62	520	184	1400	4.24	520	556	1000	9.14	510	139	1520	3.47	520
	8.0	8.000	219	1340	4.82	505	145	1520	3.63	500	438	1090	7.84	490	109	1660	2.99	500
	9.0	9.088	193	1400	4.43	500	128	1590	3.34	510	385	1140	7.22	480	96	1730	2.74	520
	11.	11.15	157	1500	3.87	485	104	1700	2.91	535	314	1220	6.30	460	78	1850	2.39	570
	12.	12.37	141	1560	3.63	480	94	1760	2.71	545	283	1260	5.86	460	71	1850	2.15	630
	14.	14.05	125	1620	3.32	500	83	1840	2.50	560	249	1320	5.41	480	62	1850	1.90	630
	16.	15.97	110	1720	3.10	495	73	1850	2.21	625	219	1390	5.01	480	55	1850	1.67	625
	18.	17.58	100	1740	2.85	525	66	1850	2.01	680	199	1420	4.65	510	50	1850	1.51	680
	20.	20.23	87	1830	2.60	540	57	1850	1.74	680	173	1480	4.21	520	43	1850	1.32	680
	22.	21.99	80	1850	2.42	570	53	1850	1.61	680	159	1520	3.98	530	40	1850	1.21	680
	28.	26.40	66	1850	2.02	680	44	1850	1.34	680	133	1610	3.51	530	33	1850	1.01	680
	32.	31.68	55	1850	1.68	680	37	1850	1.11	680	110	1710	3.11	550	28	1850	0.840	680
	36.	35.69	49	1850	1.49	680	33	1850	0.989	680	98	1780	2.87	570	25	1850	0.746	680
	45.	41.49	42	1730	1.20	680	28	1790	0.823	680	84	1640	2.28	570	21	1830	0.635	680
	50.	47.09	37	1770	1.08	680	25	1830	0.742	680	74	1680	2.05	640	19	1840	0.562	680
	56.	53.54	33	1820	0.979	680	22	1820	0.649	680	65	1820	1.96	680	16	1820	0.489	680
M0332	56.	57.03	31	1850	0.929	680	20	1850	0.616	680	61	1790	1.80	680	15	1850	0.464	680
	63.	62.87	28	1850	0.842	680	18	1850	0.558	680	56	1850	1.68	680	14	1850	0.421	680
	71.	69.19	25	1850	0.765	680	17	1850	0.507	680	51	1850	1.53	680	13	1850	0.383	680
	80.	81.07	22	1850	0.653	680	14	1850	0.433	680	43	1850	1.31	680	11	1850	0.327	680
	100	97.26	18	1850	0.544	680	12	1850	0.361	680	36	1850	1.09	680	9.0	1850	0.272	680
	112	113.4	15	1850	0.467	680	10	1850	0.310	680	31	1850	0.934	680	7.7	1850	0.233	680
	125	126.0	14	1850	0.420	680	9.2	1850	0.279	680	28	1850	0.841	680	6.9	1850	0.210	680
	160	151.7	12	1850	0.349	680	7.6	1850	0.231	680	23	1850	0.698	680	5.8	1850	0.175	680
	180	173.9	10	1850	0.305	680	6.7	1850	0.202	680	20	1850	0.609	680	5.0	1850	0.152	680
	200	197.6	8.9	1850	0.268	680	5.9	1850	0.178	680	18	1850	0.536	680	4.4	1850	0.134	680
M0342	225	235.0	7.4	1850	0.230	680	4.9	1850	0.153	680	15	1850	0.460	680	3.7	1850	0.115	680
	250	261.4	6.7	1850	0.207	680	4.4	1850	0.137	680	13	1850	0.414	680	3.3	1850	0.103	680
	280	287.8	6.1	1850	0.188	680	4.0	1850	0.125	680	12	1850	0.376	680	3.0	1850	0.094	680
	300	317.3	5.5	1850	0.170	680	3.7	1850	0.113	680	11	1850	0.341	680	2.8	1850	0.085	680
	360	365.0	4.8	1850	0.148	680	3.2	1850	0.098	680	9.6	1850	0.296	680	2.4	1850	0.074	680
	400	401.7	4.4	1850	0.135	680	2.9	1850	0.089	680	8.7	1850	0.269	680	2.2	1850	0.067	680
	450	436.7	4.0	1850	0.124	680	2.7	1850	0.082	680	8.0	1850	0.248	680	2.0	1850	0.062	680
	500	511.7	3.4	1850	0.106	680	2.3	1850	0.070	680	6.8	1850	0.211	680	1.7	1850	0.053	680
	650	614.2	2.8	1850	0.088	680	1.9	1850	0.058	680	5.7	1850	0.176	680	1.4	1850	0.044	680
	730	736.9	2.4	1850	0.073	680	1.6	1850	0.049	680	4.7	1850	0.147	680	1.2	1850	0.037	680
	860	884.3	2.0	1850	0.061	680	1.3	1850	0.041	680	4.0	1850	0.122	680	0.99	1850	0.031	680
	10C	1031	1.7	1850	0.052	680	1.1	1850	0.035	680	3.4	1850	0.105	680	0.85	1850	0.026	680
	11C	1161	1.5	1850	0.047	680	1.0	1850	0.031	680	3.0	1850	0.093	680	0.75	1850	0.023	680
	13C	1291	1.4	1850	0.042	680	0.90	1850	0.028	680	2.7	1850	0.084	680	0.68	1850	0.021	680
	15C	1500	1.2	1850	0.036	680	0.77	1850	0.024	680	2.3	1850	0.072	680	0.58	1850	0.018	680
	18C	1807	0.97	1850	0.030	680	0.64	1850	0.020	680	1.9	1850	0.060	680	0.48	1850	0.015	680
	20C	2051	0.85	1850	0.026	680	0.57	1850	0.017	680	1.7	1850	0.053	680	0.43	1850	0.013	680
	24C	2350	0.74	1850	0.023	680	0.49	1850	0.015	680	1.5	1850	0.046	680	0.37	1850	0.012	680
	27C	2671	0.66	1850	0.020	680	0.43	1850	0.013	680	1.3	1850	0.040	680	0.33	1850	0.010	680
M0352	27C	2632	0.66	1850	0.021	680	0.44	1850	0.014	680	1.3	1850	0.042	680	0.33	1850	0.010	680
	32C	3068	0.57	1850	0.018	680	0.38	1850	0.012	680	1.14	1850	0.036	680	0.29	1850	0.009	680
	36C	3681	0.48	1850	0.015	680	0.32	1850	0.010	680	0.95	1850	0.030	680	0.24	1850	0.007	680
	40C	4091	0.43	1850	0.013	680	0.28	1850	0.009	680	0.86	1850	0.027	680	0.21	1850	0.007	680
	46C	4609	0.38	1850	0.012	680	0.25	1850	0.008	680	0.76	1850	0.024	680	0.19	1850	0.006	680
	55C	5550	0.32	1850	0.010	680	0.21	1850	0.007	680	0.63	1850	0.020	680	0.16	1850	0.005	680
	65C	6452	0.27	1850	0.008	680	0.18	1850	0.006	680	0.54	1850	0.017	680	0.14	1850	0.004	680
	74C	7396	0.24	1850	0.007	680	0.16	1850	0.005	680	0.47	1850	0.015	680	0.118	1850	0.004	680
	84C	8394	0.21	1850	0.007	680	0.14	1850	0.004	680	0.42	1850	0.013	680	0.104	1850	0.003	680
	95C	9540	0.18	1850	0.006	680	0.12	1850	0.004	680	0.37	1850	0.011	680	0.092	1850	0.003	680
	10K	10845	0.16	1850	0.005	680	0.107	1850	0.003	680	0.32	1850	0.010	680	0.081	1850	0.003	680

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M

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	*i*n	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M0422	3.6	3.585	488	1690	13.36	825	324	1930	10.11	865	976	1340	21.18	780	244	2130	8.42	900
	5.0	5.040	347	1970	11.25	845	230	2260	8.56	905	694	1560	17.82	800	174	2490	7.11	950
	5.6	5.649	310	2070	10.55	855	205	2380	8.04	920	620	1640	16.71	810	155	2570	6.55	950
	6.3	6.341	276	2180	9.90	870	183	2500	7.52	930	552	1730	15.71	820	138	2640	5.99	960
	8.0	8.053	217	2400	8.58	900	144	2670	6.33	975	435	1900	13.58	830	109	2790	4.99	1020
	9.0	9.129	192	2520	7.95	920	127	2740	5.73	1000	383	2000	12.61	840	96	2870	4.52	1100
	11.	10.89	161	2670	7.06	945	107	2840	4.98	1050	321	2140	11.31	860	80	2990	3.95	1160
	12.	12.54	140	2750	6.31	975	93	2940	4.47	1100	279	2260	10.38	880	70	3000	3.44	1220
	14.	14.58	120	2830	5.59	1010	80	2990	3.91	1170	240	2390	9.44	900	60	3000	2.96	1340
	16.	16.31	107	2930	5.17	1030	71	3000	3.51	1230	215	2530	8.93	910	54	3000	2.65	1420
	18.	17.39	101	2920	4.83	1070	67	3000	3.29	1270	201	2550	8.44	930	50	3000	2.48	1510
	20.	20.61	85	2990	4.18	1140	56	3000	2.78	1370	170	2710	7.57	990	42	3000	2.10	1600
	22.	22.00	80	3000	3.93	1170	53	3000	2.60	1400	159	2740	7.17	1010	40	3000	1.96	1610
	28.	27.30	64	3000	3.16	1290	42	3000	2.10	1540	128	2850	6.01	1100	32	3000	1.58	1610
	32.	32.19	54	3000	2.68	1390	36	3000	1.78	1600	109	2930	5.24	1160	27	3000	1.34	1610
	36.	35.25	50	3000	2.45	1440	33	3000	1.62	1610	99	2980	4.87	1270	25	3000	1.22	1610
	45.	43.20	41	3000	2.00	1570	27	3000	1.33	1610	81	2990	3.98	1300	20	3000	0.999	1610
	50.	48.15	36	3000	1.79	1600	24	3000	1.19	1610	73	3000	3.59	1410	18	3000	0.897	1610
	56.	54.00	32	2390	1.27	1610	21	2390	0.844	1610	65	2390	2.55	1560	16	2390	0.637	1610
M0432	56.	58.38	30	2870	1.41	1610	20	3000	0.975	1610	60	2440	2.39	1290	15	3000	0.735	1610
	63.	64.29	27	2960	1.32	1610	18	3000	0.885	1610	54	2490	2.22	1390	14	3000	0.668	1610
	71.	73.95	24	3000	1.16	1610	16	3000	0.770	1610	47	2570	1.99	1570	11.8	3000	0.581	1610
	80.	80.4	22	3000	1.07	1610	14	3000	0.708	1610	44	2620	1.87	1610	10.9	3000	0.534	1610
	100	96.52	18	3000	0.890	1610	12	3000	0.590	1610	36	2720	1.61	1610	9.1	3000	0.445	1610
	112	115.8	15	3000	0.742	1610	10	3000	0.492	1610	30	2860	1.41	1610	7.6	3000	0.371	1610
	125	130.5	13	3000	0.658	1610	8.9	3000	0.436	1610	27	2980	1.31	1610	6.7	3000	0.329	1610
	160	151.7	12	3000	0.566	1610	7.6	3000	0.375	1610	23	3000	1.13	1610	5.8	3000	0.283	1610
	180	172.2	10	3000	0.499	1610	6.7	3000	0.331	1610	20	3000	0.997	1610	5.1	3000	0.249	1610
	200	195.8	8.9	3000	0.439	1610	5.9	3000	0.291	1610	18	3000	0.877	1610	4.5	3000	0.219	1610
M0442	225	232.8	7.5	3000	0.377	1610	5.0	3000	0.250	1610	15	3000	0.753	1610	3.8	3000	0.188	1610
	250	260.5	6.7	3000	0.337	1610	4.5	3000	0.223	1610	13	3000	0.673	1610	3.4	3000	0.168	1610
	280	277.6	6.3	3000	0.316	1610	4.2	3000	0.209	1610	13	3000	0.632	1610	3.2	3000	0.158	1610
	300	305.7	5.7	3000	0.287	1610	3.8	3000	0.190	1610	11	3000	0.574	1610	2.9	3000	0.143	1610
	360	362.3	4.8	3000	0.242	1610	3.2	3000	0.160	1610	9.7	3000	0.484	1610	2.4	3000	0.121	1610
	400	416.8	4.2	3000	0.210	1610	2.8	3000	0.139	1610	8.4	3000	0.421	1610	2.1	3000	0.105	1610
	450	445.0	3.9	3000	0.197	1610	2.6	3000	0.131	1610	7.9	3000	0.394	1610	2.0	3000	0.099	1610
	500	483.8	3.6	3000	0.181	1610	2.4	3000	0.120	1610	7.2	3000	0.363	1610	1.8	3000	0.091	1610
	650	600.3	2.9	3000	0.146	1610	1.9	3000	0.097	1610	5.8	3000	0.292	1610	1.5	3000	0.073	1610
	730	720.7	2.4	3000	0.122	1610	1.6	3000	0.081	1610	4.9	3000	0.243	1610	1.2	3000	0.061	1610
	860	849.8	2.1	3000	0.103	1610	1.4	3000	0.068	1610	4.1	3000	0.206	1610	1.03	3000	0.052	1610
	10C	1020	1.7	3000	0.086	1610	1.1	3000	0.057	1610	3.4	3000	0.172	1610	0.86	3000	0.043	1610
	11C	1117	1.6	3000	0.079	1610	1.0	3000	0.052	1610	3.1	3000	0.157	1610	0.78	3000	0.039	1610
	13C	1258	1.4	3000	0.070	1610	0.92	3000	0.046	1610	2.8	3000	0.139	1610	0.70	3000	0.035	1610
	15C	1542	1.1	3000	0.057	1610	0.75	3000	0.038	1610	2.3	3000	0.114	1610	0.57	3000	0.028	1610
	18C	1792	0.98	3000	0.049	1610	0.65	3000	0.032	1610	2.0	3000	0.098	1610	0.49	3000	0.024	1610
	20C	1998	0.88	3000	0.044	1610	0.58	3000	0.029	1610	1.8	3000	0.088	1610	0.44	3000	0.022	1610
	24C	2268	0.77	3000	0.039	1610	0.51	3000	0.026	1610	1.5	3000	0.077	1610	0.39	3000	0.019	1610
	27C	2578	0.68	3000	0.034	1610	0.45	3000	0.023	1610	1.4	3000	0.068	1610	0.34	3000	0.017	1610
M0452	27C	2655	0.66	3000	0.033	1610	0.44	3000	0.022	1610	1.3	3000	0.067	1610	0.33	3000	0.017	1610
	32C	3095	0.57	3000	0.029	1610	0.37	3000	0.019	1610	1.13	3000	0.057	1610	0.28	3000	0.014	1610
	36C	3650	0.48	3000	0.024	1610	0.32	3000	0.016	1610	0.96	3000	0.049	1610	0.24	3000	0.012	1610
	40C	4055	0.43	3000	0.022	1610	0.29	3000	0.014	1610	0.86	3000	0.044	1610	0.22	3000	0.011	1610
	46C	4440	0.39	3000	0.020	1610	0.26	3000	0.013	1610	0.79	3000	0.040	1610	0.20	3000	0.010	1610
	55C	5347	0.33	3000	0.017	1610	0.22	3000	0.011	1610	0.65	3000	0.033	1610	0.16	3000	0.008	1610
	65C	6553	0.27	3000	0.014	1610	0.18	3000	0.009	1610	0.53	3000	0.027	1610	0.13	3000	0.007	1610
	74C	7511	0.23	3000	0.012	1610	0.15	3000	0.008	1610	0.47	3000	0.024	1610	0.12	3000	0.006	1610
	84C	8372	0.21	3000	0.011	1610	0.14	3000	0.007	1610	0.42	3000	0.021	1610	0.105	3000	0.005	1610
	95C	9514	0.18	3000	0.009	1610	0.12	3000	0.006	1610	0.37	3000	0.019	1610	0.092	3000	0.005	1610
	10K	10670	0.16	2390	0.007	1610	0.109	2390	0.004	1610	0.33	2390	0.013	1610	0.082	2390	0.003	1610

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	*i*n	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M0522	3.6	3.585	488	2590	20.47	561	324	2590	13.57	687	976	2190	34.62	550	244	2590	10.23	710
	5.0	5.040	347	3340	19.08	266	230	3380	12.80	404	694	2630	30.04	220	174	3390	9.68	450
	5.6	5.649	310	3530	17.99	209	205	3650	12.33	313	620	2790	28.43	200	155	3650	9.30	360
	6.3	6.341	276	3650	16.57	187	183	3660	11.01	358	552	2940	26.69	170	138	3660	8.31	390
	8.0	8.053	217	3980	14.23	114	144	3980	9.43	294	435	3250	23.23	115	109	3980	7.11	340
	9.0	9.129	192	3980	12.55	167	127	3980	8.32	351	383	3400	21.44	150	96	3980	6.27	530
	11.	10.89	161	3980	10.52	244	107	3980	6.97	478	321	3610	19.08	220	80	3980	5.26	620
	12.	12.54	140	3770	8.65	419	93	3980	6.06	698	279	3760	17.26	380	70	3980	4.57	811
	14.	14.58	120	3980	7.86	387	80	3980	5.21	714	240	3920	15.48	360	60	3980	3.93	850
	16.	16.31	107	3980	7.02	472	71	3980	4.66	811	215	3980	14.05	440	54	3980	3.51	1010
	18.	17.39	101	3980	6.59	522	67	3980	4.37	867	201	3980	13.18	510	50	3980	3.29	1020
	20.	20.61	85	3980	5.56	659	56	3980	3.68	1020	170	3980	11.12	640	42	3980	2.78	1020
	22.	22.00	80	3980	5.21	714	53	3980	3.45	1060	159	3980	10.42	700	40	3980	2.60	1080
	28.	27.30	64	3980	4.20	903	42	3980	2.78	1080	128	3980	8.39	840	32	3980	2.10	1100
	32.	32.19	54	3980	3.56	1060	36	3980	2.36	1100	109	3980	7.12	910	27	3980	1.78	1160
	36.	35.25	50	3980	3.25	1080	33	3980	2.15	1100	99	3980	6.50	920	25	3980	1.63	1410
	45.	43.20	41	3700	2.47	1230	27	3820	1.69	1160	81	3700	4.93	980	20	3920	1.31	1620
	50.	48.15	36	3360	2.01	1410	24	3360	1.33	1410	73	3360	4.02	1060	18	3360	1.00	1620
	56.	54.00	32	2390	1.27	1620	21	2390	0.84	1620	65	2390	2.55	1230	16	2390	0.637	1620
M0532	56.	58.38	30	3980	1.95	1620	20	3980	1.29	1620	60	3600	3.53	1060	15	3980	0.976	1620
	63.	64.29	27	3980	1.77	1620	18	3980	1.17	1620	54	3980	3.54	1080	14	3980	0.886	1620
	71.	73.95	24	3980	1.54	1620	16	3980	1.02	1620	47	3980	3.08	1100	12	3980	0.770	1620
	80.	80.40	22	3980	1.42	1620	14	3980	0.939	1620	44	3980	2.83	1130	10.9	3980	0.709	1620
	100	96.52	18	3980	1.18	1620	12	3980	0.782	1620	36	3980	2.36	1150	9.1	3980	0.590	1620
	112	115.8	15	3980	0.984	1620	10	3980	0.652	1620	30	3980	1.97	1180	7.6	3980	0.492	1620
	125	130.5	13	3980	0.873	1620	8.9	3980	0.579	1620	27	3980	1.75	1200	6.7	3980	0.437	1620
	160	151.7	12	3980	0.751	1620	7.6	3980	0.498	1620	23	3980	1.50	1400	5.8	3980	0.376	1620
	180	172.2	10	3980	0.662	1620	6.7	3980	0.439	1620	20	3980	1.32	1620	5.1	3980	0.331	1620
	200	195.8	8.9	3980	0.582	1620	5.9	3980	0.386	1620	18	3980	1.16	1620	4.5	3980	0.291	1620
M0542	225	232.8	7.5	3980	0.500	1620	5.0	3980	0.331	1620	15	3980	0.999	1620	3.8	3980	0.250	1620
	250	260.5	6.7	3980	0.447	1620	4.5	3980	0.296	1620	13	3980	0.893	1620	3.4	3980	0.223	1620
	280	277.6	6.3	3980	0.419	1620	4.2	3980	0.278	1620	13	3980	0.838	1620	3.2	3980	0.210	1620
	300	305.7	5.7	3980	0.381	1620	3.8	3980	0.252	1620	11.4	3980	0.761	1620	2.9	3980	0.190	1620
	360	362.3	4.8	3980	0.321	1620	3.2	3980	0.213	1620	9.7	3980	0.642	1620	2.4	3980	0.161	1620
	400	416.8	4.2	3980	0.279	1620	2.8	3980	0.185	1620	8.4	3980	0.558	1620	2.1	3980	0.140	1620
	450	445.0	3.9	3980	0.261	1620	2.6	3980	0.173	1620	7.9	3980	0.523	1620	2.0	3980	0.131	1620
	500	483.8	3.6	3980	0.240	1620	2.4	3980	0.159	1620	7.2	3980	0.481	1620	1.8	3980	0.120	1620
	650	600.3	2.9	3980	0.194	1620	1.9	3980	0.128	1620	5.8	3980	0.388	1620	1.5	3980	0.097	1620
	730	720.7	2.4	3980	0.161	1620	1.6	3980	0.107	1620	4.9	3980	0.323	1620	1.2	3980	0.081	1620
	860	849.8	2.1	3980	0.137	1620	1.4	3980	0.091	1620	4.1	3980	0.274	1620	1.03	3980	0.068	1620
	10C	1020	1.7	3980	0.114	1620	1.14	3980	0.076	1620	3.4	3980	0.228	1620	0.86	3980	0.057	1620
	11C	1117	1.6	3980	0.104	1620	1.04	3980	0.069	1620	3.1	3980	0.208	1620	0.78	3980	0.052	1620
	13C	1258	1.4	3980	0.092	1620	0.92	3980	0.061	1620	2.8	3980	0.185	1620	0.70	3980	0.046	1620
	15C	1542	1.13	3980	0.075	1620	0.75	3980	0.050	1620	2.3	3980	0.151	1620	0.57	3980	0.038	1620
	18C	1792	0.98	3980	0.065	1620	0.65	3980	0.043	1620	2.0	3980	0.130	1620	0.49	3980	0.032	1620
	20C	1998	0.88	3360	0.049	1620	0.58	3360	0.033	1620	1.8	3360	0.098	1620	0.44	3360	0.025	1620
	24C	2268	0.77	3360	0.043	1620	0.51	3360	0.029	1620	1.5	3360	0.087	1620	0.39	3360	0.022	1620
	27C	2578	0.68	3360	0.038	1620	0.45	3360	0.025	1620	1.4	3360	0.076	1620	0.34	3360	0.019	1620
M0552	27C	2655	0.66	3980	0.044	1620	0.44	3980	0.029	1620	1.3	3980	0.089	1620	0.33	3980	0.022	1620
	32C	3095	0.57	3980	0.038	1620	0.37	3980	0.025	1620	1.13	3980	0.076	1620	0.28	3980	0.019	1620
	36C	3650	0.48	3980	0.032	1620	0.32	3980	0.021	1620	0.96	3980	0.064	1620	0.24	3980	0.016	1620
	40C	4055	0.43	3980	0.029	1620	0.29	3980	0.019	1620	0.86	3980	0.058	1620	0.22	3980	0.014	1620
	46C	4440	0.39	3980	0.026	1620	0.26	3980	0.018	1620	0.79	3980	0.053	1620	0.20	3980	0.013	1620
	55C	5347	0.33	3980	0.022	1620	0.22	3980	0.015	1620	0.65	3980	0.044	1620	0.16	3980	0.011	1620
	65C	6553	0.27	3980	0.018	1620	0.18	3980	0.012	1620	0.53	3980	0.036	1620	0.13	3980	0.009	1620
	74C	7511	0.23	3980	0.016	1620	0.15	3980	0.010	1620	0.47	3980	0.031	1620	0.116	3980	0.008	1620
	84C	8372	0.21	3360	0.012	1620	0.14	3360	0.008	1620	0.42	3360	0.024	1620	0.105	3360	0.006	1620
	95C	9514	0.18	3360	0.010	1620	0.12	3360	0.007	1620	0.37	3360	0.021	1620	0.092	3360	0.005	1620
	10K	10670	0.16	2390	0.007	1620	0.109	2390	0.004	1620	0.33	2390	0.013	1620	0.082	2390	0.003	1620

RATINGS

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M

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M0622	5.0	4.438	394	3200	20.43	1460	261	3210	13.58	1620	789	2710	34.60	1280	197	3400	10.85	1710
	5.6	6.240	280	4130	18.75	1160	186	4190	12.61	1400	561	3260	29.60	1160	140	4450	10.10	1510
	6.3	6.994	250	4370	17.70	1110	166	4520	12.14	1310	500	3450	27.95	1100	125	4800	9.72	1370
	8.0	7.851	223	4530	16.35	1100	148	4530	10.84	1380	446	3640	26.27	1100	111	4830	8.72	1400
	9.0	9.970	176	5080	14.44	970	116	5260	9.91	1170	351	4020	22.85	970	88	5540	7.87	1390
	11.	11.30	155	5260	13.19	965	103	5380	8.94	1250	310	4210	21.11	965	77	5540	6.95	1400
	12.	13.48	130	5340	11.22	1050	86	5530	7.70	1390	260	4470	18.79	1010	65	5540	5.82	1620
	14.	15.52	113	4670	8.53	1510	75	4670	5.65	1620	226	4660	17.01	1020	56	5540	5.06	1620
	16.	18.05	97	5280	8.29	1370	64	5280	5.49	1620	194	4850	15.23	1020	48	5540	4.35	1620
	18.	20.20	87	5540	7.77	1380	57	5540	5.15	1620	173	5020	14.08	1020	43	5540	3.89	1620
	20.	21.53	81	5540	7.29	1460	54	5540	4.83	1620	163	5110	13.45	1010	41	5540	3.65	1620
	22.	25.51	69	5540	6.15	1620	45	5540	4.08	1620	137	5240	11.64	1080	34	5540	3.08	1620
	28.	27.24	64	5540	5.76	1620	43	5540	3.82	1620	128	5300	11.03	1160	32	5540	2.88	1620
	32.	33.80	52	5540	4.64	1620	34	5540	3.08	1620	104	5450	9.14	1240	26	5540	2.32	1620
	36.	39.86	44	5540	3.94	1620	29	5540	2.61	1620	88	5530	7.86	1360	22	5540	1.97	1620
	45.	43.64	40	5540	3.60	1620	27	5540	2.38	1620	80	5540	7.19	1450	20	5540	1.80	1620
	50.	53.49	33	4580	2.43	1620	22	4740	1.66	1620	65	4580	4.85	1620	16	4850	1.28	1620
	56.	59.61	29	4160	1.98	1620	19	4160	1.31	1620	59	4160	3.95	1620	15	4160	0.989	1620
	63.	66.86	26	2960	1.25	1620	17	2960	0.831	1620	52	2960	2.51	1620	13	2960	0.627	1620
M0632	63.	72.28	24	5300	2.10	1620	16	5540	1.45	1620	48	4700	3.72	1620	12	5540	1.10	1620
	71.	79.60	22	5260	1.89	1620	15	5540	1.32	1620	44	4570	3.29	1620	11	5540	0.996	1620
	80.	91.56	19	5460	1.71	1620	13	5540	1.15	1620	38	4700	2.94	1620	9.6	5540	0.866	1620
	100	99.54	18	5540	1.59	1620	12	5540	1.06	1620	35	4780	2.75	1620	8.8	5540	0.797	1620
	112	119.5	15	5540	1.33	1620	9.7	5540	0.880	1620	29	4950	2.37	1620	7.3	5540	0.664	1620
	125	143.4	12	5540	1.11	1620	8.1	5540	0.733	1620	24	5180	2.07	1620	6.1	5540	0.553	1620
	160	161.6	11	5540	0.981	1620	7.2	5540	0.650	1620	22	5340	1.89	1620	5.4	5540	0.491	1620
	180	187.8	9.3	5540	0.844	1620	6.2	5540	0.560	1620	19	5540	1.69	1620	4.7	5540	0.422	1620
	200	213.2	8.2	5540	0.744	1620	5.4	5540	0.493	1620	16	5540	1.49	1620	4.1	5540	0.372	1620
	225	242.4	7.2	5540	0.654	1620	4.8	5540	0.434	1620	14	5540	1.31	1620	3.6	5540	0.327	1620
M0642	280	272.9	6.4	5540	0.593	1620	4.3	5540	0.393	1620	13	5540	1.19	1620	3.2	5540	0.297	1620
	300	313.9	5.6	5540	0.516	1620	3.7	5540	0.342	1620	11.1	5540	1.03	1620	2.8	5540	0.258	1620
	360	365.1	4.8	5540	0.444	1620	3.2	5540	0.294	1620	9.6	5540	0.887	1620	2.4	5540	0.222	1620
	400	396.9	4.4	5540	0.408	1620	2.9	5540	0.270	1620	8.8	5540	0.816	1620	2.2	5540	0.204	1620
	450	444.1	3.9	5540	0.365	1620	2.6	5540	0.242	1620	7.9	5540	0.729	1620	2.0	5540	0.182	1620
	500	533.1	3.3	5540	0.304	1620	2.2	5540	0.201	1620	6.6	5540	0.607	1620	1.6	5540	0.152	1620
	650	568.2	3.1	5540	0.285	1620	2.0	5540	0.189	1620	6.2	5540	0.570	1620	1.5	5540	0.142	1620
	730	681.9	2.6	5540	0.237	1620	1.7	5540	0.157	1620	5.1	5540	0.475	1620	1.3	5540	0.119	1620
	860	808.1	2.2	5540	0.200	1620	1.4	5540	0.133	1620	4.3	5540	0.401	1620	1.08	5540	0.100	1620
	10C	972.2	1.8	5540	0.167	1620	1.2	5540	0.110	1620	3.6	5540	0.333	1620	0.90	5540	0.083	1620
	11C	1130	1.5	5540	0.143	1620	1.0	5540	0.095	1620	3.1	5540	0.287	1620	0.77	5540	0.072	1620
	13C	1402	1.2	5540	0.115	1620	0.83	5540	0.077	1620	2.5	5540	0.231	1620	0.62	5540	0.058	1620
	15C	1592	1.1	5540	0.102	1620	0.73	5540	0.067	1620	2.2	5540	0.203	1620	0.55	5540	0.051	1620
	18C	1877	0.93	5540	0.086	1620	0.62	5540	0.057	1620	1.9	5540	0.173	1620	0.47	5540	0.043	1620
	20C	2055	0.85	5540	0.079	1620	0.56	5540	0.052	1620	1.7	5540	0.158	1620	0.43	5540	0.039	1620
	24C	2337	0.75	5540	0.069	1620	0.50	5540	0.046	1620	1.5	5540	0.139	1620	0.37	5540	0.035	1620
	27C	2519	0.69	5540	0.064	1620	0.46	5540	0.043	1620	1.4	5540	0.129	1620	0.35	5540	0.032	1620
M0652	27C	2649	0.66	5540	0.062	1620	0.44	5540	0.041	1620	1.3	5540	0.124	1620	0.33	5540	0.031	1620
	32C	3088	0.57	5540	0.053	1620	0.38	5540	0.035	1620	1.1	5540	0.106	1620	0.28	5540	0.026	1620
	36C	3832	0.46	5540	0.043	1620	0.30	5540	0.028	1620	0.91	5540	0.085	1620	0.23	5540	0.021	1620
	40C	4258	0.41	5540	0.038	1620	0.27	5540	0.025	1620	0.82	5540	0.077	1620	0.21	5540	0.019	1620
	46C	5021	0.35	5540	0.033	1620	0.23	5540	0.022	1620	0.70	5540	0.065	1620	0.17	5540	0.016	1620
	55C	6046	0.29	5540	0.027	1620	0.19	5540	0.018	1620	0.58	5540	0.054	1620	0.14	5540	0.014	1620
	65C	6620	0.26	5540	0.025	1620	0.18	5540	0.016	1620	0.53	5540	0.049	1620	0.13	5540	0.012	1620
	74C	7588	0.23	5540	0.022	1620	0.15	5540	0.014	1620	0.46	5540	0.043	1620	0.12	5540	0.011	1620
	84C	8624	0.20	5540	0.019	1620	0.13	5540	0.013	1620	0.41	5540	0.038	1620	0.101	5540	0.009	1620
	95C	9300	0.19	5540	0.018	1620	0.12	5540	0.012	1620	0.38	5540	0.035	1620	0.094	5540	0.009	1620
	10K	10569	0.17	5540	0.015	1620	0.110	5540	0.010	1620	0.33	5540	0.031	1620	0.083	5540	0.008	1620

RATINGS

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			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M0722	3.6	3.678	476	2700	20.80	1690	315	2710	13.84	1850	952	2690	41.44	1280	238	2710	10.44	1950
	5.0	5.094	344	3760	20.91	1520	228	3760	13.86	1750	687	3530	39.27	1160	172	3770	10.48	1940
	5.6	5.722	306	4220	20.90	1350	203	4230	13.88	1610	612	3710	36.74	1180	153	4230	10.47	1810
	6.3	6.292	278	4640	20.89	1200	184	4650	13.88	1480	556	3860	34.76	1190	139	4650	10.47	1680
	8.0	8.218	213	5440	18.76	1000	141	6080	13.89	995	426	4320	29.79	1160	106	6080	10.48	1200
	9.0	9.344	187	5730	17.37	960	124	6390	12.84	860	375	4540	27.53	1110	94	6670	10.11	925
	11.	11.35	154	6170	15.40	890	102	6650	11.00	870	308	4890	24.41	1030	77	6980	8.71	1110
	12.	12.48	140	6360	14.44	850	93	6780	10.20	925	280	5080	23.07	995	70	7120	8.08	1210
	14.	14.34	122	6550	12.94	785	81	6990	9.15	1060	244	5360	21.18	955	61	7210	7.12	1350
	16.	16.26	108	6790	11.83	845	71	7110	8.21	1190	215	5680	19.80	885	54	7300	6.36	1360
	18.	17.94	98	6830	10.79	890	65	7170	7.51	1290	195	5820	18.38	855	49	7370	5.82	1330
	20.	20.54	85	6990	9.64	1010	56	7270	6.65	1380	170	6110	16.86	845	43	7480	5.16	1280
	22.	23.23	75	7070	8.62	1130	50	7360	5.95	1340	151	6390	15.59	800	38	7570	4.62	1240
	28.	26.93	65	7170	7.54	1290	43	7470	5.21	1290	130	6610	13.91	755	32	7680	4.04	1190
	32.	32.12	54	7290	6.43	1370	36	7600	4.44	1220	109	6800	12.00	840	27	7680	3.39	1180
	36.	35.17	50	7360	5.93	1340	33	7670	4.10	1190	100	6890	11.10	880	25	7680	3.09	1180
	45.	42.21	41	7500	5.03	1270	27	7680	3.42	1180	83	7010	9.41	1020	21	7680	2.58	1180
	50.	48.56	36	6200	3.62	1880	24	6200	2.40	1880	72	6190	7.22	1600	18	6200	1.81	1880
	56.	53.96	32	5270	2.77	2250	21	5270	1.83	2250	65	5270	5.53	2070	16	5270	1.38	2250
M0732	56.	58.95	30	6440	3.13	2250	20	7190	2.31	2250	59	5450	5.29	2250	15	7680	1.86	2250
	63.	62.83	28	6530	2.98	2250	18	7340	2.22	2250	56	5520	5.03	2250	14	7680	1.75	2250
	71.	74.47	23	6780	2.61	2250	16	7680	1.96	2250	47	5720	4.40	2250	12	7680	1.48	2250
	80.	79.51	22	6920	2.49	2250	15	7680	1.83	2250	44	5800	4.18	2250	11	7680	1.38	2250
	100	98.66	18	7440	2.16	2250	12	7680	1.48	2250	35	6070	3.52	2250	8.9	7680	1.11	2250
	112	116.3	15	7680	1.89	2250	10	7680	1.25	2250	30	6290	3.10	2250	7.5	7680	0.945	2250
	125	127.4	14	7680	1.73	2250	9.1	7680	1.14	2250	27	6430	2.89	2250	6.9	7800	0.876	2250
	160	156.1	11	7680	1.41	2250	7.4	7680	0.934	2250	22	6880	2.52	2250	5.6	7800	0.715	2250
	180	174.0	10	7680	1.26	2250	6.7	7800	0.851	2250	20	7140	2.35	2250	5.0	7800	0.642	2250
	200	195.2	9.0	7680	1.13	2250	5.9	7800	0.758	2250	18	7410	2.17	2250	4.5	7800	0.572	2250
M0742	225	229.0	7.6	7800	1.00	2250	5.1	7800	0.660	2250	15	7800	1.99	2250	3.8	7800	0.50	2250
	250	259.7	6.7	7800	0.878	2250	4.5	7800	0.582	2250	13	7800	1.76	2250	3.4	7800	0.439	2250
	280	286.5	6.1	7800	0.796	2250	4.0	7800	0.528	2250	12	7800	1.59	2250	3.1	7800	0.398	2250
	300	315.4	5.5	7800	0.723	2250	3.7	7800	0.479	2250	11	7800	1.45	2250	2.8	7800	0.361	2250
	360	361.2	4.8	7800	0.631	2250	3.2	7800	0.418	2250	9.7	7800	1.26	2250	2.4	7800	0.316	2250
	400	415.5	4.2	7800	0.549	2250	2.8	7800	0.364	2250	8.4	7800	1.10	2250	2.1	7800	0.274	2250
	450	469.8	3.7	7800	0.485	2250	2.5	7800	0.322	2250	7.5	7800	0.971	2250	1.9	7800	0.243	2250
	500	510.7	3.4	7800	0.446	2250	2.3	7800	0.296	2250	6.9	7800	0.893	2250	1.7	7800	0.223	2250
	650	592.1	3.0	7800	0.385	2250	2.0	7800	0.255	2250	5.9	7800	0.770	2250	1.5	7800	0.193	2250
	730	710.8	2.5	7800	0.321	2250	1.6	7800	0.213	2250	4.9	7800	0.641	2250	1.2	7800	0.160	2250
	860	847.8	2.1	7800	0.269	2250	1.4	7800	0.178	2250	4.1	7800	0.538	2250	1.03	7800	0.134	2250
	10C	1017	1.7	7800	0.224	2250	1.14	7800	0.149	2250	3.4	7800	0.448	2250	0.86	7800	0.112	2250
	11C	1114	1.6	7800	0.205	2250	1.04	7800	0.136	2250	3.1	7800	0.409	2250	0.79	7800	0.102	2250
	13C	1255	1.4	7800	0.182	2250	0.92	7800	0.120	2250	2.8	7800	0.363	2250	0.70	7800	0.091	2250
	15C	1506	1.16	7800	0.151	2250	0.77	7800	0.100	2250	2.3	7800	0.303	2250	0.58	7800	0.076	2250
	18C	1751	1.00	7800	0.130	2250	0.66	7800	0.086	2250	2.0	7800	0.260	2250	0.50	7800	0.065	2250
	20C	2015	0.87	7800	0.113	2250	0.58	7800	0.075	2250	1.7	7800	0.226	2250	0.43	7800	0.057	2250
	24C	2287	0.77	7800	0.100	2250	0.51	7800	0.066	2250	1.5	7800	0.199	2250	0.38	7800	0.050	2250
	27C	2600	0.67	7800	0.088	2250	0.45	7800	0.058	2250	1.3	7800	0.175	2250	0.34	7800	0.044	2250
M0752	27C	2619	0.67	7800	0.088	2250	0.44	7800	0.058	2250	1.3	7800	0.176	2250	0.33	7800	0.044	2250
	32C	3053	0.57	7800	0.075	2250	0.38	7800	0.050	2250	1.15	7800	0.151	2250	0.29	7800	0.038	2250
	36C	3641	0.48	7800	0.063	2250	0.32	7800	0.042	2250	0.96	7800	0.127	2250	0.24	7800	0.032	2250
	40C	4046	0.43	7800	0.057	2250	0.29	7800	0.038	2250	0.87	7800	0.114	2250	0.22	7800	0.028	2250
	46C	4431	0.39	7800	0.052	2250	0.26	7800	0.034	2250	0.79	7800	0.104	2250	0.20	7800	0.026	2250
	55C	5335	0.33	7800	0.043	2250	0.22	7800	0.029	2250	0.66	7800	0.086	2250	0.16	7800	0.022	2250
	65C	6403	0.27	7800	0.036	2250	0.18	7800	0.024	2250	0.55	7800	0.072	2250	0.14	7800	0.018	2250
	74C	7339	0.24	7800	0.031	2250	0.16	7800	0.021	2250	0.48	7800	0.063	2250	0.119	7800	0.016	2250
	84C	8443	0.21	7800	0.027	2250	0.14	7800	0.018	2250	0.41	7800	0.055	2250	0.104	7800	0.014	2250
	95C	9596	0.18	7800	0.024	2250	0.12	7800	0.016	2250	0.36	7800	0.048	2250	0.091	7800	0.012	2250
	10K	10662	0.16	7800	0.022	2250	0.109	7800	0.014	2250	0.33	7800	0.043	2250	0.082	7800	0.011	2250

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

M

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	*i*n	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M0822	3.6	3.68	476	4190	32.28	2670	315	4200	21.45	2920	952	4160	64.09	1840	238	4210	16.22	2920
	5.0	5.21	336	5960	32.39	2510	222	5980	21.54	2830	671	5390	58.58	1840	168	5980	16.25	2830
	5.6	5.79	302	6630	32.43	2330	200	6640	21.53	2680	604	6570	64.28	1840	151	6650	16.27	2680
	6.3	6.44	272	7380	32.46	2120	180	7390	21.54	2510	543	6900	60.70	1840	136	7400	16.27	2510
	8.0	8.33	210	9560	32.52	1560	139	9570	21.58	1970	420	7680	52.25	1140	105	9580	16.29	1970
	9.0	9.35	187	10200	30.90	1450	124	10700	21.49	1660	374	8020	48.60	1160	94	10800	16.36	1660
	11.	11.47	153	10900	26.93	1390	101	12500	20.47	1240	305	8590	42.44	1140	76	13200	16.30	1240
	12.	12.92	135	11200	24.56	1410	90	12800	18.61	1250	271	8820	38.68	1140	68	14100	15.46	1250
	14.	15.04	116	11700	22.04	1360	77	13500	16.86	1290	233	9280	34.96	1140	58	14800	13.94	1290
	16.	16.69	105	12100	20.54	1350	70	12600	14.18	1810	210	9540	32.39	1140	52	12600	10.70	1810
	18.	18.26	96	12100	18.78	1460	64	12100	12.45	2180	192	9620	29.85	1240	48	12100	9.39	2180
	20.	20.66	85	12600	17.28	1440	56	12900	11.73	2110	169	9970	27.35	1260	42	12900	8.85	2110
	22.	23.32	75	12900	15.67	1560	50	13600	10.95	2120	150	10200	24.79	1340	38	13600	8.26	2120
	28.	28.27	62	13200	13.23	1830	41	14800	9.83	2110	124	10400	20.85	1560	31	14800	7.42	2110
	32.	32.97	53	13500	11.60	2040	35	15000	8.54	2380	106	10700	18.39	1840	27	15000	6.45	2380
	36.	36.21	48	13700	10.72	2130	32	15000	7.78	2600	97	10900	17.06	1900	24	15000	5.87	2600
	45.	44.38	39	14100	9.00	2470	26	15000	6.35	3110	79	11100	14.17	1950	20	15000	4.79	3110
	50.	48.46	36	14200	8.30	2630	24	15000	5.81	3250	72	11200	13.10	2000	18	15000	4.39	3250
	56.	55.80	31	13500	6.85	3230	21	13500	4.54	3640	63	11300	11.48	2040	16	13700	3.48	3640
M0832	56.	60.33	29	13400	6.36	3370	19	15000	4.72	3640	58	10900	10.34	2800	15	15000	3.56	3640
	63.	66.02	27	13800	5.98	3540	18	15000	4.31	3640	53	11200	9.71	2880	13	15000	3.25	3640
	71.	74.69	23	14300	5.48	3640	16	15000	3.81	3640	47	11600	8.89	2990	12	15000	2.87	3640
	80.	84.31	21	14800	5.03	3640	14	15000	3.38	3640	42	12000	8.15	3100	10	15000	2.55	3640
	100	102.2	17	15000	4.20	3640	11	15000	2.78	3640	34	12700	7.11	3290	8.6	15000	2.10	3640
	112	119.2	15	15000	3.60	3640	9.7	15000	2.39	3640	29	13300	6.39	3370	7.3	15000	1.80	3640
	125	130.9	13	15000	3.28	3640	8.9	15000	2.17	3640	27	13700	5.99	3640	6.7	15000	1.64	3640
	160	160.4	11	15000	2.68	3640	7.2	15000	1.77	3640	22	14600	5.21	3640	5.5	15000	1.34	3640
	180	175.2	10	15000	2.45	3640	6.6	15000	1.62	3640	20	15000	4.90	3640	5.0	15000	1.23	3640
	200	201.8	8.7	15000	2.13	3640	5.7	15000	1.41	3640	17	15000	4.26	3640	4.3	15000	1.06	3640
M0842	225	228.9	7.6	15000	1.92	3640	5.1	15000	1.27	3640	15	15000	3.83	3640	3.8	15000	0.96	3640
	250	259.0	6.8	15000	1.69	3640	4.5	15000	1.12	3640	14	15000	3.39	3640	3.4	15000	0.846	3640
	280	301.2	5.8	15000	1.46	3640	3.9	15000	0.96	3640	12	15000	2.91	3640	2.9	15000	0.728	3640
	300	337.0	5.2	15000	1.30	3640	3.4	15000	0.862	3640	10.4	15000	2.60	3640	2.6	15000	0.650	3640
	360	359.2	4.9	15000	1.22	3640	3.2	15000	0.809	3640	9.7	15000	2.44	3640	2.4	15000	0.610	3640
	400	425.7	4.1	15000	1.03	3640	2.7	15000	0.683	3640	8.2	15000	2.06	3640	2.1	15000	0.515	3640
	450	480.5	3.6	15000	0.912	3640	2.4	15000	0.605	3640	7.3	15000	1.82	3640	1.8	15000	0.456	3640
	500	513.0	3.4	15000	0.855	3640	2.3	15000	0.566	3640	6.8	15000	1.71	3640	1.7	15000	0.427	3640
	650	621.9	2.8	15000	0.705	3640	1.9	15000	0.467	3640	5.6	15000	1.41	3640	1.4	15000	0.352	3640
	730	771.8	2.3	15000	0.568	3640	1.5	15000	0.377	3640	4.5	15000	1.14	3640	1.1	15000	0.284	3640
	860	900.0	1.9	15000	0.487	3640	1.3	15000	0.323	3640	3.9	15000	0.97	3640	1.0	15000	0.244	3640
	10C	1061	1.6	15000	0.413	3640	1.1	15000	0.274	3640	3.3	15000	0.826	3640	0.82	15000	0.207	3640
	11C	1166	1.5	15000	0.376	3640	1.0	15000	0.249	3640	3.0	15000	0.752	3640	0.75	15000	0.188	3640
	13C	1277	1.4	15000	0.343	3640	0.91	15000	0.228	3640	2.7	15000	0.687	3640	0.69	15000	0.172	3640
	15C	1564	1.1	15000	0.280	3640	0.74	15000	0.186	3640	2.2	15000	0.561	3640	0.56	15000	0.140	3640
	18C	1917	0.91	15000	0.229	3640	0.61	15000	0.152	3640	1.8	15000	0.457	3640	0.46	15000	0.114	3640
	20C	2094	0.84	15000	0.209	3640	0.55	15000	0.139	3640	1.7	15000	0.419	3640	0.42	15000	0.105	3640
	24C	2333	0.75	15000	0.188	3640	0.50	15000	0.125	3640	1.5	15000	0.376	3640	0.37	15000	0.094	3640
	27C	2617	0.67	15000	0.168	3640	0.44	15000	0.111	3640	1.3	15000	0.335	3640	0.33	15000	0.084	3640
M0852	27C	2728	0.64	15000	0.162	3640	0.43	15000	0.108	3640	1.3	15000	0.325	3640	0.32	15000	0.081	3640
	32C	3274	0.53	15000	0.135	3640	0.35	15000	0.090	3640	1.1	15000	0.271	3640	0.27	15000	0.068	3640
	36C	3818	0.46	15000	0.116	3640	0.30	15000	0.077	3640	0.92	15000	0.232	3640	0.23	15000	0.058	3640
	40C	4302	0.41	15000	0.103	3640	0.27	15000	0.068	3640	0.81	15000	0.206	3640	0.20	15000	0.051	3640
	46C	4726	0.37	15000	0.094	3640	0.25	15000	0.062	3640	0.74	15000	0.188	3640	0.19	15000	0.047	3640
	55C	5494	0.32	15000	0.081	3640	0.21	15000	0.053	3640	0.64	15000	0.161	3640	0.16	15000	0.040	3640
	65C	6733	0.26	15000	0.066	3640	0.17	15000	0.044	3640	0.52	15000	0.132	3640	0.13	15000	0.033	3640
	74C	7641	0.23	15000	0.058	3640	0.15	15000	0.038	3640	0.46	15000	0.116	3640	0.11	15000	0.029	3640
	84C	8344	0.21	15000	0.053	3640	0.14	15000	0.035	3640	0.42	15000	0.106	3640	0.10	15000	0.027	3640
	95C	9486	0.18	15000	0.047	3640	0.12	15000	0.031	3640	0.37	15000	0.093	3640	0.092	15000	0.023	3640
	10K	10924	0.16	15000	0.041	3640	0.11	15000	0.027	3640	0.32	15000	0.081	3640	0.080	15000	0.020	3640

RATINGS

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M0922	3.6	3.685	475	11900	91.50	2880	315	13500	68.80	2920	950	9340	143.63	2020	237	14600	56.13	2810
	5.0	5.073	345	13500	75.40	2740	229	15300	56.64	2690	690	10900	121.76	2110	172	16600	46.36	2700
	5.6	5.686	308	14100	70.26	2700	204	15900	52.52	2630	616	11400	113.61	2180	154	17300	43.10	2680
	6.3	6.382	274	14700	65.26	2660	182	16600	48.85	2620	548	11900	105.66	2250	137	18100	40.18	2660
	8.0	8.224	213	16100	55.47	2560	141	18200	41.56	2600	426	13000	89.58	2440	106	19800	34.11	2630
	9.0	9.188	190	16700	51.50	2530	126	18900	38.63	2590	381	13600	83.88	2520	95	20600	31.76	2610
	11.	11.47	153	18000	44.46	2520	101	20400	33.40	2560	305	14600	72.13	2570	76	22200	27.42	2580
	12.	12.74	137	18600	41.37	2520	91	21100	31.11	2560	275	15100	67.16	2540	69	22900	25.46	2560
	14.	14.53	120	19500	38.02	2520	80	22000	28.44	2540	241	15800	61.62	2500	60	24000	23.40	2660
	16.	16.34	107	20500	35.55	2440	71	23200	26.67	2440	214	16600	57.57	2400	54	25200	21.85	2690
	18.	18.50	95	21000	32.16	2500	63	23800	24.16	2580	189	17100	52.38	2440	47	25900	19.83	2900
	20.	20.59	85	21800	30.00	2490	56	24600	22.44	2680	170	17700	48.71	2440	42	26800	18.44	3010
	22.	22.87	77	22500	27.88	2480	51	25500	20.94	2790	153	18200	45.10	2480	38	27500	17.03	3190
	28.	27.98	63	23900	24.20	2560	41	27200	18.26	3010	125	18900	38.28	2590	31	28300	14.33	3680
	32.	32.31	54	24400	21.40	2860	36	28000	16.28	3280	108	19300	33.85	2720	27	28300	12.41	4170
	36.	35.67	49	24700	19.62	3100	33	28300	14.90	3550	98	19500	30.98	2820	25	28300	11.24	4450
	45.	43.35	40	25400	16.60	3540	27	28300	12.26	4060	81	20100	26.27	3000	20	28300	9.25	3740
	50.	49.07	36	25300	14.61	3990	24	25400	9.72	4610	71	20200	23.33	3200	18	25400	7.33	4610
	56.	55.18	32	23500	12.07	4610	21	23500	8.00	4610	63	20200	20.74	3480	16	23500	6.03	4610
M0932	56.	59.07	30	27400	13.28	4140	20	27500	8.83	4610	59	22200	21.52	3160	15	27500	6.66	4610
	63.	64.64	27	27500	12.18	4440	18	27500	8.07	4610	54	22800	20.19	3270	14	27500	6.09	4610
	71.	73.13	24	27500	10.76	4610	16	27500	7.14	4610	48	23700	18.55	3430	12	27500	5.38	4610
	80.	82.55	21	27500	9.54	4610	14	27500	6.32	4610	42	24600	17.06	3600	11	27500	4.77	4610
	100	100.1	17	27500	7.86	4610	12	27500	5.21	4610	35	26000	14.87	3880	8.7	27500	3.93	4610
	112	116.7	15	27500	6.75	4610	9.9	27500	4.47	4610	30	27300	13.39	4120	7.5	27500	3.37	4610
	125	128.2	14	27500	6.14	4610	9.0	27500	4.07	4610	27	27500	12.28	4410	6.8	27500	3.07	4610
	160	157.1	11	27500	5.01	4610	7.4	27500	3.32	4610	22	27500	10.02	4610	5.6	27500	2.51	4610
	180	171.6	10	27500	4.59	4610	6.8	27500	3.04	4610	20	27500	9.17	4610	5.1	27500	2.29	4610
	200	197.5	8.9	27500	3.99	4610	5.9	27500	2.64	4610	18	27500	7.97	4610	4.4	27500	1.99	4610
M0942	225	231.8	7.5	27500	3.47	4610	5.0	27500	2.30	4610	15	27500	6.93	4610	3.8	27500	1.73	4610
	250	258.1	6.8	27500	3.11	4610	4.5	27500	2.06	4610	14	27500	6.23	4610	3.4	27500	1.56	4610
	280	286.7	6.1	27500	2.80	4610	4.0	27500	1.86	4610	12	27500	5.61	4610	3.1	27500	1.40	4610
	300	300.2	5.8	27500	2.68	4610	3.9	27500	1.77	4610	11.7	27500	5.36	4610	2.9	27500	1.34	4610
	360	358.0	4.9	27500	2.25	4610	3.2	27500	1.49	4610	9.8	27500	4.49	4610	2.4	27500	1.12	4610
	400	397.7	4.4	27500	2.02	4610	2.9	27500	1.34	4610	8.8	27500	4.04	4610	2.2	27500	1.01	4610
	450	452.9	3.9	27500	1.77	4610	2.6	27500	1.18	4610	7.7	27500	3.55	4610	1.9	27500	0.89	4610
	500	503.2	3.5	27500	1.60	4610	2.3	27500	1.06	4610	7.0	27500	3.19	4610	1.7	27500	0.80	4610
	650	665.8	2.6	27500	1.21	4610	1.7	27500	0.80	4610	5.3	27500	2.41	4610	1.3	27500	0.60	4610
	730	736.4	2.4	27500	1.09	4610	1.6	27500	0.72	4610	4.8	27500	2.18	4610	1.19	27500	0.55	4610
	860	882.1	2.0	27500	0.91	4610	1.3	27500	0.60	4610	4.0	27500	1.82	4610	0.99	27500	0.46	4610
	10C	1040	1.7	27500	0.77	4610	1.12	27500	0.51	4610	3.4	27500	1.55	4610	0.84	27500	0.39	4610
	11C	1139	1.5	27500	0.71	4610	1.02	27500	0.47	4610	3.1	27500	1.41	4610	0.77	27500	0.35	4610
	13C	1257	1.4	27500	0.64	4610	0.92	27500	0.42	4610	2.8	27500	1.28	4610	0.70	27500	0.32	4610
	15C	1528	1.15	27500	0.53	4610	0.76	27500	0.35	4610	2.3	27500	1.05	4610	0.57	27500	0.26	4610
	18C	1873	0.93	27500	0.43	4610	0.62	27500	0.28	4610	1.9	27500	0.86	4610	0.47	27500	0.21	4610
	20C	2087	0.84	27500	0.39	4610	0.56	27500	0.26	4610	1.7	27500	0.77	4610	0.42	27500	0.19	4610
	24C	2341	0.75	27500	0.34	4610	0.50	27500	0.23	4610	1.5	27500	0.69	4610	0.37	27500	0.17	4610
	27C	2650	0.66	27500	0.30	4610	0.44	27500	0.20	4610	1.3	27500	0.61	4610	0.33	27500	0.15	4610
M0952	27C	2700	0.65	27500	0.30	4610	0.43	27500	0.20	4610	1.3	27500	0.60	4610	0.32	27500	0.15	4610
	32C	3240	0.54	27500	0.25	4610	0.36	27500	0.17	4610	1.08	27500	0.50	4610	0.27	27500	0.13	4610
	36C	3651	0.48	27500	0.22	4610	0.32	27500	0.15	4610	0.96	27500	0.45	4610	0.24	27500	0.11	4610
	40C	4131	0.42	27500	0.20	4610	0.28	27500	0.13	4610	0.85	27500	0.39	4610	0.21	27500	0.10	4610
	46C	4655	0.38	27500	0.17	4610	0.25	27500	0.12	4610	0.75	27500	0.35	4610	0.19	27500	0.087	4610
	55C	5563	0.31	27500	0.15	4610	0.21	27500	0.10	4610	0.63	27500	0.29	4610	0.16	27500	0.073	4610
	65C	6577	0.27	27500	0.12	4610	0.18	27500	0.082	4610	0.53	27500	0.25	4610	0.13	27500	0.062	4610
	74C	7444	0.24	27500	0.11	4610	0.16	27500	0.072	4610	0.47	27500	0.22	4610	0.118	27500	0.055	4610
	84C	8449	0.21	27500	0.10	4610	0.14	27500	0.064	4610	0.41	27500	0.19	4610	0.104	27500	0.048	4610
	95C	9605	0.18	27500	0.085	4610	0.12	27500	0.056	4610	0.36	27500	0.17	4610	0.091	27500	0.042	4610
	10K	10801	0.16	27500	0.075	4610	0.107	27500	0.050	4610	0.32	27500	0.15	4610	0.081	27500	0.038	4610

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

M

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M1022	3.6	3.54	495	15600	125.04	4400	328	15600	82.88	4970	990	15500	248.47	2580	248	15600	62.52	5380
	5.0	4.94	354	21800	125.08	4730	235	21900	83.29	4630	709	18900	216.89	2500	177	21900	62.83	5000
	5.6	5.37	326	23800	125.57	4710	216	23800	83.24	4330	652	19600	206.83	2550	163	23800	62.79	4700
	6.3	6.10	287	25300	117.51	4490	190	27000	83.13	3810	574	20500	190.44	2640	143	27000	62.71	4190
	8.0	7.95	220	27800	99.14	3620	146	31500	74.46	3040	441	22600	161.19	2840	110	34300	61.16	3010
	9.0	8.58	204	28600	94.47	3360	135	32400	70.94	2990	408	23200	153.26	2900	102	35200	58.13	2950
	11.	11.02	159	31200	80.22	2930	105	35300	60.16	2870	318	25300	130.10	3140	79	38400	49.36	2810
	12.	12.51	140	32500	73.61	2880	93	36800	55.25	2800	280	26400	119.58	3170	70	40000	45.30	2730
	14.	14.16	124	33900	67.83	2820	82	38400	50.93	2730	247	27500	110.05	3070	62	41800	41.82	2640
	16.	15.98	110	32500	57.62	3460	73	32500	38.20	4510	219	29100	103.19	2880	55	32500	28.81	5370
	18.	17.75	99	36200	57.78	2810	65	36200	38.30	3870	197	29600	94.50	2900	49	36200	28.89	4940
	20.	19.41	90	37600	54.89	2690	60	39500	38.22	3290	180	30500	89.04	2830	45	39500	28.83	4530
	22.	21.57	81	38900	51.10	2630	54	41500	36.13	3220	162	31600	83.02	2770	41	41500	27.26	4550
	28.	25.49	69	41000	45.57	2540	46	41600	30.65	3970	137	33300	74.03	2730	34	41600	23.12	5380
	32.	30.76	57	43500	40.07	2470	38	44300	27.05	4180	114	35300	65.03	2670	28	44300	20.40	5680
	36.	35.44	49	44300	35.42	2870	33	44300	23.48	4920	99	36900	59.00	2620	25	44300	17.71	6490
	45.	41.12	43	44300	30.52	3580	28	44300	20.23	5730	85	38500	53.06	2590	21	44300	15.26	6740
	50.	47.93	37	37700	22.29	6040	24	37700	14.77	6740	73	37600	44.45	3220	18	37700	11.14	6740
	56.	51.49	34	34200	18.82	6740	23	34300	12.51	6740	68	34200	37.64	4260	17	34300	9.44	6740
M1032	56.	57.63	30	40400	20.07	6340	20	42300	13.93	6740	61	32800	32.58	4920	15	42300	10.51	6740
	63.	65.24	27	41900	18.38	6650	18	42300	12.30	6740	54	34000	29.84	5090	13	42300	9.28	6740
	71.	72.62	24	42300	16.67	6740	16	42300	11.05	6740	48	35200	27.75	5300	12	42300	8.34	6740
	80.	80.68	22	42300	15.01	6740	14	42300	9.95	6740	43	36300	25.76	5520	11	42300	7.50	6740
	100	98.68	18	42300	12.27	6740	12	42300	8.13	6740	35	38600	22.39	5970	8.9	42300	6.14	6740
	112	114.0	15	42300	10.62	6740	10	42300	7.04	6740	31	40300	20.24	6310	7.7	42300	5.31	6740
	125	125.8	14	42300	9.63	6740	9.2	42300	6.38	6740	28	41500	18.89	6560	7.0	42300	4.81	6740
	160	152.9	11	42300	7.92	6740	7.6	42300	5.25	6740	23	42300	15.84	6740	5.7	42300	3.96	6740
	180	173.1	10	42300	7.00	6740	6.7	42300	4.64	6740	20	42300	13.99	6740	5.1	42300	3.50	6740
	200	194.6	9.0	42300	6.22	6740	6.0	42300	4.12	6740	18	42300	12.44	6740	4.5	42300	3.11	6740
M1042	225	220.2	7.9	42300	5.61	6740	5.3	42300	3.72	6740	16	42300	11.23	6740	4.0	42300	2.81	6740
	250	254.6	6.9	42300	4.86	6740	4.6	42300	3.22	6740	14	42300	9.71	6740	3.4	42300	2.43	6740
	280	278.4	6.3	42300	4.44	6740	4.2	42300	2.94	6740	13	42300	8.88	6740	3.1	42300	2.22	6740
	300	309.3	5.7	42300	4.00	6740	3.8	42300	2.65	6740	11	42300	7.99	6740	2.8	42300	2.00	6740
	360	365.6	4.8	42300	3.38	6740	3.2	42300	2.24	6740	9.6	42300	6.76	6740	2.4	42300	1.69	6740
	400	398.7	4.4	42300	3.10	6740	2.9	42300	2.06	6740	8.8	42300	6.20	6740	2.2	42300	1.55	6740
	450	457.2	3.8	42300	2.70	6740	2.5	42300	1.79	6740	7.7	42300	5.41	6740	1.9	42300	1.35	6740
	500	500.9	3.5	42300	2.47	6740	2.3	42300	1.64	6740	7.0	42300	4.94	6740	1.7	42300	1.23	6740
	650	635.7	2.8	42300	1.94	6740	1.8	42300	1.29	6740	5.5	42300	3.89	6740	1.4	42300	0.97	6740
	730	728.0	2.4	42300	1.70	6740	1.6	42300	1.13	6740	4.8	42300	3.40	6740	1.2	42300	0.85	6740
	860	844.7	2.1	42300	1.46	6740	1.4	42300	0.97	6740	4.1	42300	2.93	6740	1.0	42300	0.73	6740
	10C	987.8	1.8	42300	1.25	6740	1.2	42300	0.83	6740	3.5	42300	2.50	6740	0.89	42300	0.63	6740
	11C	1107	1.6	42300	1.12	6740	1.0	42300	0.74	6740	3.2	42300	2.23	6740	0.79	42300	0.56	6740
	13C	1321	1.3	42300	0.94	6740	0.88	42300	0.62	6740	2.7	42300	1.87	6740	0.66	42300	0.47	6740
	15C	1496	1.2	42300	0.83	6740	0.78	42300	0.55	6740	2.3	42300	1.65	6740	0.58	42300	0.41	6740
	18C	1736	1.0	42300	0.71	6740	0.67	42300	0.47	6740	2.0	42300	1.42	6740	0.50	42300	0.36	6740
	20C	1997	0.88	42300	0.62	6740	0.58	42300	0.41	6740	1.8	42300	1.24	6740	0.44	42300	0.31	6740
	24C	2327	0.75	42300	0.53	6740	0.50	42300	0.35	6740	1.5	42300	1.06	6740	0.38	42300	0.27	6740
	27C	2778	0.63	42300	0.44	6740	0.42	42300	0.29	6740	1.3	42300	0.89	6740	0.31	42300	0.22	6740
M1052	27C	2748	0.64	42300	0.45	6740	0.42	42300	0.30	6740	1.3	42300	0.91	6740	0.32	42300	0.23	6740
	32C	3247	0.54	42300	0.38	6740	0.36	42300	0.26	6740	1.08	42300	0.77	6740	0.27	42300	0.19	6740
	36C	3578	0.49	42300	0.35	6740	0.32	42300	0.23	6740	0.98	42300	0.70	6740	0.24	42300	0.17	6740
	40C	3979	0.44	42300	0.31	6740	0.29	42300	0.21	6740	0.88	42300	0.63	6740	0.22	42300	0.16	6740
	46C	4515	0.39	42300	0.28	6740	0.26	42300	0.18	6740	0.78	42300	0.55	6740	0.19	42300	0.14	6740
	55C	5533	0.32	42300	0.23	6740	0.21	42300	0.15	6740	0.63	42300	0.45	6740	0.16	42300	0.11	6740
	65C	6420	0.27	42300	0.19	6740	0.18	42300	0.13	6740	0.55	42300	0.39	6740	0.14	42300	0.10	6740
	74C	7483	0.23	42300	0.17	6740	0.16	42300	0.11	6740	0.47	42300	0.33	6740	0.117	42300	0.083	6740
	84C	8340	0.21	42300	0.15	6740	0.14	42300	0.10	6740	0.42	42300	0.30	6740	0.105	42300	0.075	6740
	95C	9353	0.19	42300	0.13	6740	0.12	42300	0.089	6740	0.37	42300	0.27	6740	0.094	42300	0.067	6740
	10K	10049	0.17	42300	0.12	6740	0.115	42300	0.082	6740	0.35	42300	0.25	6740	0.087	42300	0.062	6740

RATINGS

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M1322	3.6	3.793	461	20800	155.37	10800	306	20900	103.49	12300	923	20800	310.75	9380	231	20900	78.06	12300
	5.0	5.257	333	28900	155.76	12000	221	28900	103.25	12300	666	28900	311.52	9650	166	28900	77.88	12300
	5.6	5.774	303	31800	156.04	12300	201	31800	103.44	12300	606	31700	311.11	9690	152	31800	78.02	12300
	6.3	6.349	276	35000	156.19	12300	183	35000	103.53	12300	551	34900	311.49	9700	138	35000	78.10	12300
	8.0	8.111	216	44700	156.15	12300	143	44700	103.50	12300	432	44700	312.29	9610	108	44700	78.07	12300
	9.0	8.985	195	49500	156.09	12300	129	49500	103.47	12300	390	49500	312.19	9510	97	49500	78.05	12300
	11.	11.81	148	65000	155.94	12300	98	65000	103.37	12300	296	64200	308.05	10800	74	65000	77.97	10400
	12.	12.92	135	68800	150.88	12300	90	71100	103.35	10600	271	64700	283.77	12300	68	71100	77.96	10100
	14.	14.63	120	69700	134.99	12300	79	72500	93.07	10100	239	64400	249.44	12300	60	72700	70.40	9960
	16.	16.12	109	70300	123.56	12300	72	73200	85.28	9940	217	65900	231.66	12300	54	75300	66.18	9830
	18.	18.02	97	71100	111.79	11000	64	74000	77.13	9900	194	66600	209.43	12300	49	74500	58.57	9860
	20.	20.86	84	72100	97.93	10200	56	75100	67.62	9840	168	67500	183.37	12300	42	77300	52.50	9710
	22.	23.51	74	73000	87.98	9960	49	76100	60.79	9790	149	68200	164.38	12300	37	78300	47.18	9660
	28.	27.08	65	74000	77.43	9900	43	77200	53.54	9720	129	69100	144.60	10600	32	79400	41.54	9600
	32.	33.25	53	75600	64.42	9810	35	78800	44.51	9640	105	70500	120.15	10100	26	81200	34.60	9500
	36.	37.03	47	76400	58.46	9770	31	79700	40.42	9580	95	71300	109.11	10100	24	82100	31.41	9450
	45.	43.25	40	68300	44.74	12300	27	68300	29.66	10200	81	68300	89.49	10200	20	68300	22.37	10200
	50.	50.70	35	52300	29.23	12300	23	52300	19.37	12300	69	52200	58.34	12300	17	52300	14.61	12300
	56.	53.94	32	55700	29.26	12300	22	55700	19.39	12300	65	55600	58.41	12300	16	55700	14.63	12300
M1332	45.	46.79	37	78200	47.84	12300	25	81700	33.13	12300	75	74300	90.91	10100	19	84200	25.76	12300
	50.	52.97	33	79300	42.86	12300	22	82800	29.66	12300	66	74700	80.74	12300	17	85300	23.05	12300
	56.	59.76	29	80300	38.46	12300	19	83900	26.64	12300	59	76100	72.91	12300	15	85900	20.57	12300
	63.	66.40	26	81100	34.96	12300	17	84800	24.23	12300	53	77000	66.39	12300	13	85900	18.52	12300
	71.	72.60	24	82000	32.33	12300	16	85700	22.40	12300	48	77600	61.19	12300	12	85900	16.93	12300
	80.	80.68	22	82800	29.38	12300	14	85900	20.20	12300	43	78600	55.78	12300	11	85900	15.24	12300
	100	95.34	18	84400	25.34	12300	12	85900	17.10	12300	37	80000	48.04	12300	9.2	85900	12.90	12300
	112	115.1	15	85900	21.37	12300	10	85900	14.16	12300	30	81500	40.55	12300	7.6	85900	10.68	12300
	125	132.6	13	85900	18.55	12300	8.8	85900	12.30	12300	26	82800	35.76	12300	6.6	85900	9.27	12300
	160	153.8	11	85900	15.99	12300	7.5	85900	10.60	12300	23	84100	31.30	12300	5.7	85900	7.99	12300
	180	179.3	9.8	85900	13.72	12300	6.5	85900	9.09	12300	20	85500	27.30	12300	4.9	85900	6.86	12300
	200	192.6	9.1	83300	12.38	12300	6.0	83300	8.21	12300	18	85900	25.53	12300	4.5	83300	6.19	12300
M1342	225	224.9	7.8	85900	11.17	12300	5.2	85900	7.40	12300	16	85900	22.33	12300	3.9	85900	5.58	12300
	250	258.4	6.8	85900	9.72	12300	4.5	85900	6.44	12300	14	85900	19.43	12300	3.4	85900	4.86	12300
	280	289.2	6.1	85900	8.68	12300	4.0	85900	5.76	12300	12	85900	17.37	12300	3.0	85900	4.34	12300
	300	323.2	5.4	85900	7.77	12300	3.6	85900	5.15	12300	11	85900	15.54	12300	2.7	85900	3.88	12300
	360	370.1	4.7	85900	6.78	12300	3.1	85900	4.50	12300	9.5	85900	13.57	12300	2.4	85900	3.39	12300
	400	418.5	4.2	85900	6.00	12300	2.8	85900	3.98	12300	8.4	85900	12.00	12300	2.1	85900	3.00	12300
	450	483.0	3.6	85900	5.20	12300	2.4	85900	3.45	12300	7.2	85900	10.40	12300	1.8	85900	2.60	12300
	500	546.1	3.2	85900	4.60	12300	2.1	85900	3.05	12300	6.4	85900	9.20	12300	1.6	85900	2.30	12300
	650	664.2	2.6	85900	3.78	12300	1.7	85900	2.51	12300	5.3	85900	7.56	12300	1.3	85900	1.89	12300
	730	729.1	2.4	85900	3.44	12300	1.6	85900	2.28	12300	4.8	85900	6.89	12300	1.20	85900	1.72	12300
	860	860.0	2.0	85900	2.92	12300	1.3	85900	1.94	12300	4.1	85900	5.84	12300	1.02	85900	1.46	12300
	10C	997.1	1.8	85900	2.52	12300	1.16	85900	1.67	12300	3.5	85900	5.04	12300	0.88	85900	1.26	12300
	11C	1068	1.6	85900	2.35	12300	1.09	85900	1.56	12300	3.3	85900	4.70	12300	0.82	85900	1.18	12300
	13C	1302	1.3	85900	1.93	12300	0.89	85900	1.28	12300	2.7	85900	3.86	12300	0.67	85900	0.96	12300
	15C	1521	1.2	85900	1.65	12300	0.76	85900	1.09	12300	2.3	85900	3.30	12300	0.58	85900	0.83	12300
	18C	1798	0.97	85900	1.40	12300	0.65	85900	0.93	12300	1.9	85900	2.79	12300	0.49	85900	0.70	12300
	20C	1798	0.97	85900	1.40	12300	0.65	85900	0.93	12300	1.9	85900	2.79	12300	0.49	85900	0.70	12300
	24C	2334	0.75	85900	1.08	12300	0.50	85900	0.71	12300	1.5	85900	2.15	12300	0.37	85900	0.54	12300
	27C	2911	0.60	85900	0.86	12300	0.40	85900	0.57	12300	1.2	85900	1.73	12300	0.30	85900	0.43	12300
M1352	27C	2735	0.64	85900	0.93	12300	0.42	85900	0.61	12300	1.3	85900	1.86	12300	0.32	85900	0.46	12300
	32C	3150	0.56	85900	0.81	12300	0.37	85900	0.53	12300	1.1	85900	1.61	12300	0.28	85900	0.40	12300
	36C	3670	0.48	85900	0.69	12300	0.32	85900	0.46	12300	0.95	85900	1.38	12300	0.24	85900	0.35	12300
	40C	4091	0.43	85900	0.62	12300	0.28	85900	0.41	12300	0.86	85900	1.24	12300	0.21	85900	0.31	12300
	46C	4588	0.38	85900	0.55	12300	0.25	85900	0.37	12300	0.76	85900	1.11	12300	0.19	85900	0.28	12300
	55C	6443	0.27	85900	0.39	12300	0.18	85900	0.26	12300	0.54	85900	0.79	12300	0.14	85900	0.20	12300
	65C	7226	0.24	85900	0.35	12300	0.16	85900	0.23	12300	0.48	85900	0.70	12300	0.12	85900	0.18	12300
	74C	7527	0.23	85900	0.34	12300	0.15	85900	0.22	12300	0.47	85900	0.67	12300	0.12	85900	0.17	12300
	84C	8441	0.21	85900	0.30	12300	0.14	85900	0.20	12300	0.41	85900	0.60	12300	0.10	85900	0.15	12300
	95C	9895	0.18	85900	0.26	12300	0.12	85900	0.17	12300	0.35	85900	0.51	12300	0.088	85900	0.13	12300
	10K	10527	0.17	85900	0.24	12300	0.11	85900	0.16	12300	0.33	85900	0.48	12300	0.083	85900	0.12	12300

RATINGS

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

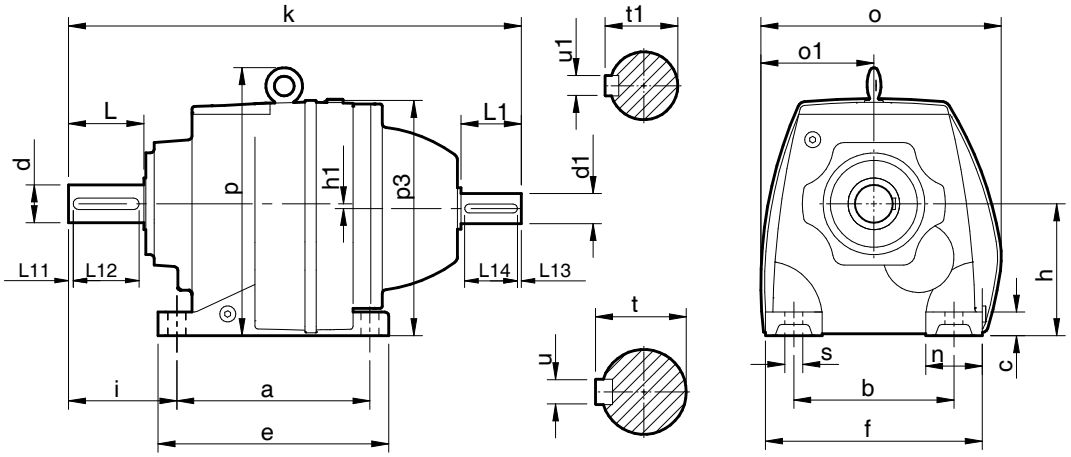
M

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M1422	3.6	3.754	466	47200	356.2	12800	309	47200	236.1	14400	932	47300	714.0	9470	233	47200	178.1	15300
	5.0	5.238	334	66000	357.0	14000	221	66000	236.6	15300	668	59400	642.6	9950	167	65900	178.2	15300
	5.6	5.898	297	74300	356.9	14400	197	74300	236.6	15300	593	64000	614.9	10100	148	74200	178.2	15300
	6.3	6.633	264	83600	357.1	14800	175	83500	236.4	15300	528	68600	586.1	10300	132	83500	178.3	15300
	8.0	8.512	206	93900	312.6	15200	136	102000	225.1	15300	411	76200	507.3	11000	103	102000	169.8	15300
	9.0	9.452	185	97600	292.6	15300	123	108000	214.6	15300	370	79300	475.4	11300	93	108000	161.9	15300
	11.	11.80	148	105000	252.1	15300	98	111000	176.7	15300	297	85400	410.1	12000	74	114000	136.9	15300
	12.	13.08	134	107000	231.8	15300	89	112000	160.8	15300	268	86900	376.5	12500	67	115000	124.6	15300
	14.	14.86	118	109000	207.8	15300	78	114000	144.1	15300	236	90000	343.2	14500	59	115000	109.6	15300
	16.	17.02	103	111000	184.8	15300	68	115000	126.9	15300	206	93000	309.6	14600	51	115000	95.72	15300
	18.	18.30	96	111000	171.9	15300	63	115000	118.0	15300	191	94600	292.9	14600	48	115000	89.03	15300
	20.	21.36	82	113000	149.9	15300	54	115000	101.1	15300	164	97600	258.9	14700	41	115000	76.27	15300
	22.	23.55	74	114000	137.2	15300	49	115000	91.71	15300	149	101000	243.0	15000	37	115000	69.18	15300
	28.	28.24	62	115000	115.4	15300	41	115000	76.48	15300	124	106000	212.7	15200	31	115000	57.69	15300
	32.	33.89	52	115000	96.14	15300	34	115000	63.73	15300	103	104000	173.9	15300	26	115000	48.07	15300
	36.	36.72	48	115000	88.73	15300	32	115000	58.82	15300	95	106000	163.6	15300	24	115000	44.37	15300
	45.	42.95	41	66300	43.74	15300	27	66300	28.99	15300	81	66200	87.34	15300	20	66300	21.87	15300
	50.	50.36	35	70900	39.89	15300	23	71000	26.48	15300	69	70900	79.78	15300	17	71000	19.97	15300
	56.	56.49	31	73600	36.92	15300	21	73700	24.50	15300	62	73600	73.83	15300	15	73700	18.48	15300
M1432	45.	48.24	36	96500	57.26	15300	24	108000	42.48	15300	73	78400	93.04	15300	18	112000	33.23	15300
	50.	54.61	32	101000	52.94	15300	21	112000	38.92	15300	64	81800	85.76	15300	16	115000	30.14	15300
	56.	61.61	28	112000	52.04	15300	19	115000	35.42	15300	57	90800	84.38	15300	14	115000	26.72	15300
	63.	68.46	26	110000	45.99	15300	17	113000	31.32	15300	51	89100	74.51	15300	13	113000	23.62	15300
	71.	74.85	23	112000	42.83	15300	15	115000	29.15	15300	47	92000	70.37	15300	12	115000	21.99	15300
	80.	83.17	21	113000	38.89	15300	14	115000	26.24	15300	42	95000	65.39	15300	11	115000	19.79	15300
	100	98.30	18	115000	33.49	15300	12	115000	22.20	15300	36	101000	58.82	15300	8.9	115000	16.74	15300
	112	118.6	15	115000	27.76	15300	9.8	115000	18.40	15300	30	107000	51.65	15300	7.4	115000	13.88	15300
	125	136.7	13	115000	24.08	15300	8.5	115000	15.96	15300	26	113000	47.33	15300	6.4	115000	12.04	15300
	160	158.6	11.0	115000	20.76	15300	7.3	115000	13.76	15300	22	115000	41.51	15300	5.5	115000	10.38	15300
	180	184.8	9.5	115000	17.81	15300	6.3	115000	11.81	15300	19	115000	35.63	15300	4.7	115000	8.91	15300
	200	198.6	8.8	115000	16.58	15300	5.8	115000	10.99	15300	18	115000	33.15	15300	4.4	115000	8.29	15300
M1442	225	228.4	7.7	115000	14.72	15300	5.1	115000	9.76	15300	15	115000	29.44	15300	3.8	115000	7.36	15300
	250	262.4	6.7	115000	12.81	15300	4.4	115000	8.49	15300	13	115000	25.62	15300	3.3	115000	6.40	15300
	280	276.9	6.3	115000	12.14	15300	4.2	115000	8.05	15300	13	115000	24.28	15300	3.2	115000	6.07	15300
	300	337.7	5.2	115000	9.95	15300	3.4	115000	6.60	15300	10	115000	19.91	15300	2.6	115000	4.98	15300
	360	352.5	5.0	115000	9.54	15300	3.3	115000	6.32	15300	9.9	115000	19.07	15300	2.5	115000	4.77	15300
	400	405.1	4.3	115000	8.30	15300	2.9	115000	5.50	15300	8.6	115000	16.60	15300	2.2	115000	4.15	15300
	450	459.3	3.8	115000	7.32	15300	2.5	115000	4.85	15300	7.6	115000	14.64	15300	1.9	115000	3.66	15300
	500	506.6	3.5	115000	6.63	15300	2.3	115000	4.40	15300	6.9	115000	13.27	15300	1.7	115000	3.32	15300
	650	656.0	2.7	115000	5.12	15300	1.8	115000	3.40	15300	5.3	115000	10.25	15300	1.3	115000	2.56	15300
	730	754.3	2.3	115000	4.46	15300	1.5	115000	2.95	15300	4.6	115000	8.91	15300	1.2	115000	2.23	15300
	860	852.9	2.1	115000	3.94	15300	1.4	115000	2.61	15300	4.1	115000	7.88	15300	1.0	115000	1.97	15300
	10C	997.5	1.8	115000	3.37	15300	1.2	115000	2.23	15300	3.5	115000	6.74	15300	0.88	115000	1.68	15300
	11C	1156	1.5	115000	2.91	15300	1.0	115000	1.93	15300	3.0	115000	5.81	15300	0.76	115000	1.45	15300
	13C	1292	1.4	115000	2.60	15300	0.90	115000	1.73	15300	2.7	115000	5.20	15300	0.68	115000	1.30	15300
	15C	1511	1.2	115000	2.23	15300	0.77	115000	1.47	15300	2.3	115000	4.45	15300	0.58	115000	1.11	15300
	18C	1813	0.97	115000	1.85	15300	0.64	115000	1.23	15300	1.9	115000	3.71	15300	0.48	115000	0.93	15300
	20C	1981	0.88	115000	1.70	15300	0.59	115000	1.12	15300	1.8	115000	3.39	15300	0.44	115000	0.85	15300
	24C	2445	0.72	115000	1.37	15300	0.47	115000	0.91	15300	1.4	115000	2.75	15300	0.36	115000	0.69	15300
	27C	2717	0.64	115000	1.24	15300	0.43	115000	0.82	15300	1.3	115000	2.47	15300	0.32	115000	0.62	15300
M1452	27C	2739	0.64	115000	1.24	15300	0.42	115000	0.82	15300	1.3	115000	2.48	15300	0.32	115000	0.62	15300
	32C	3286	0.53	115000	1.03	15300	0.35	115000	0.69	15300	1.1	115000	2.07	15300	0.27	115000	0.52	15300
	36C	3598	0.49	115000	0.94	15300	0.32	115000	0.63	15300	0.97	115000	1.89	15300	0.24	115000	0.47	15300
	40C	3943	0.44	115000	0.86	15300	0.29	115000	0.57	15300	0.89	115000	1.72	15300	0.22	115000	0.43	15300
	46C	4678	0.37	115000	0.73	15300	0.25	115000	0.48	15300	0.75	115000	1.45	15300	0.19	115000	0.36	15300
	55C	5471	0.32	115000	0.62	15300	0.21	115000	0.41	15300	0.64	115000	1.24	15300	0.16	115000	0.31	15300
	65C	6390	0.27	115000	0.53	15300	0.18	115000	0.35	15300	0.55	115000	1.06	15300	0.14	115000	0.27	15300
	74C	7473	0.23	115000	0.45	15300	0.16	115000	0.30	15300	0.47	115000	0.91	15300	0.12	115000	0.23	15300
	84C	8381	0.21	115000	0.41	15300	0.14	115000	0.27	15300	0.42	115000	0.81	15300	0.10	115000	0.20	15300
	95C	9827	0.18	115000	0.35	15300	0.12	115000	0.23	15300	0.36	115000	0.69	15300	0.089	115000	0.17	15300
	10K	11024	0.16	115000	0.31	15300	0.11	115000	0.20	15300	0.32	115000	0.62	15300	0.079	115000	0.15	15300

Key: Pm = Input Power (HP) M2 = Output Torque (lb.in) i = Exact Ratio n2 = Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
M1622	5.0	4.950	354	166000	950.2	22000	234	169000	641.2	22000	707	145000	1660	22000	177	169000	483.7	22000
	5.6	5.353	327	167000	883.9	22000	217	172000	603.5	22000	654	148000	1567	22000	163	172000	455.2	22000
	6.3	6.257	280	170000	769.8	22000	185	175000	525.3	22000	559	159000	1440	22000	140	180000	407.5	22000
	8.0	8.193	214	173000	598.3	22000	142	180000	412.6	22000	427	165000	1141	22000	107	182000	314.7	22000
	9.0	9.353	187	175000	530.1	22000	124	182000	365.5	22000	374	166000	1006	22000	94	182000	275.7	22000
	11.	11.17	157	179000	454.0	22000	104	182000	306.0	22000	313	168000	852.3	22000	78	182000	230.8	22000
	12.	12.67	138	181000	404.8	22000	92	182000	269.8	22000	276	170000	760.3	22000	69	182000	203.5	22000
	14.	14.01	125	158000	319.5	22000	83	158000	211.8	22000	250	158000	639.1	22000	62	158000	159.8	22000
	16.	16.19	108	179000	313.3	22000	72	179000	207.6	22000	216	172000	602.0	22000	54	179000	156.6	22000
	18.	17.49	100	182000	294.8	22000	66	183000	196.5	22000	200	174000	563.8	22000	50	183000	148.2	22000
	20.	20.39	86	182000	252.9	22000	57	183000	168.6	22000	172	177000	491.9	22000	43	183000	127.1	22000
	22.	23.51	74	183000	220.5	22000	49	183000	146.2	22000	149	17900	43.1	22000	37	183000	110.3	22000
	28.	27.26	64	183000	190.2	22000	43	183000	126.1	22000	128	181000	376.3	22000	32	183000	95.10	22000
	32.	31.41	56	173000	156.1	22000	37	173000	103.4	22000	111	173000	312.1	22000	28	173000	78.03	22000
	36.	37.54	47	147000	110.9	22000	31	147000	73.54	22000	93	147000	221.9	22000	23	147000	55.47	22000
	45.	45.05	39	97400	61.26	22000	26	97400	40.61	22000	78	97400	122.5	22000	19	97400	30.63	22000
M1632	40.	41.16	43	172000	119.6	22000	28	183000	84.36	22000	85	140000	194.7	22000	21	183000	63.64	22000
	45.	45.64	38	177000	111.0	22000	25	183000	76.09	22000	77	144000	180.6	22000	19	183000	57.39	22000
	50.	51.82	34	183000	101.1	22000	22	183000	67.01	22000	68	151000	166.8	22000	17	183000	50.54	22000
	56.	59.38	29	183000	88.22	22000	20	183000	58.48	22000	59	158000	152.3	22000	15	183000	44.11	22000
	63.	63.82	27	183000	82.08	22000	18	183000	54.41	22000	55	163000	146.2	22000	14	183000	41.04	22000
	71.	74.49	23	183000	70.32	22000	16	183000	46.62	22000	47	172000	132.2	22000	12	183000	35.16	22000
	80.	82.13	21	183000	63.78	22000	14	183000	42.28	22000	43	179000	124.8	22000	11	183000	31.89	22000
	100	98.51	18	183000	53.18	22000	12	183000	35.25	22000	36	183000	106.4	22000	8.9	183000	26.59	22000
	112	118.2	15	183000	44.32	22000	9.8	183000	29.38	22000	30	183000	88.64	22000	7.4	183000	22.16	22000
	125	128.1	14	183000	40.89	22000	9.1	183000	27.11	22000	27	183000	81.79	22000	6.8	183000	20.45	22000
	160	149.8	12	183000	34.97	22000	7.7	183000	23.18	22000	23	183000	69.94	22000	5.8	183000	17.48	22000
	180	175.6	10	183000	29.83	22000	6.6	183000	19.77	22000	20	183000	59.66	22000	5.0	183000	14.92	22000
	200	197.0	8.9	183000	26.59	22000	5.9	183000	17.63	22000	18	183000	53.18	22000	4.4	183000	13.30	22000
M1642	225	228.8	7.6	183000	23.37	22000	5.1	183000	15.49	22000	15	183000	46.75	22000	3.8	183000	11.69	22000
	250	264.6	6.6	183000	20.22	22000	4.4	183000	13.40	22000	13	183000	40.43	22000	3.3	183000	10.11	22000
	280	285.8	6.1	183000	18.72	22000	4.1	183000	12.41	22000	12.2	183000	37.43	22000	3.1	183000	9.36	22000
	300	323.5	5.4	183000	16.53	22000	3.6	183000	10.96	22000	10.8	183000	33.07	22000	2.7	183000	8.27	22000
	360	360.1	4.9	183000	14.85	22000	3.2	183000	9.84	22000	9.7	183000	29.70	22000	2.4	183000	7.43	22000
	400	400.1	4.4	183000	13.37	22000	2.9	183000	8.86	22000	8.7	183000	26.74	22000	2.2	183000	6.68	22000
	450	445.4	3.9	183000	12.01	22000	2.6	183000	7.96	22000	7.9	183000	24.02	22000	2.0	183000	6.00	22000
	500	504.2	3.5	183000	10.61	22000	2.3	183000	7.03	22000	6.9	183000	21.22	22000	1.7	183000	5.30	22000
	650	646.7	2.7	183000	8.27	22000	1.8	183000	5.48	22000	5.4	183000	16.54	22000	1.4	183000	4.14	22000
	730	718.5	2.4	183000	7.44	22000	1.6	183000	4.93	22000	4.9	183000	14.89	22000	1.2	183000	3.72	22000
	860	858.7	2.0	183000	6.23	22000	1.4	183000	4.13	22000	4.1	183000	12.46	22000	1.02	183000	3.11	22000
	10C	1015	1.7	183000	5.27	22000	1.14	183000	3.49	22000	3.4	183000	10.54	22000	0.86	183000	2.64	22000
	11C	1120	1.6	183000	4.77	22000	1.04	183000	3.16	22000	3.1	183000	9.55	22000	0.78	183000	2.39	22000
	13C	1338	1.3	183000	4.00	22000	0.87	183000	2.65	22000	2.6	183000	8.00	22000	0.65	183000	2.00	22000
	15C	1504	1.2	183000	3.56	22000	0.77	183000	2.36	22000	2.3	183000	7.11	22000	0.58	183000	1.78	22000
	18C	1842	0.95	183000	2.90	22000	0.63	183000	1.92	22000	1.9	183000	5.81	22000	0.48	183000	1.45	22000
	20C	1953	0.90	183000	2.74	22000	0.59	183000	1.82	22000	1.8	183000	5.48	22000	0.45	183000	1.37	22000
	24C	2486	0.70	183000	2.15	22000	0.47	183000	1.43	22000	1.4	183000	4.30	22000	0.35	183000	1.08	22000
M1652	27C	2744	0.64	183000	1.97	22000	0.42	183000	1.31	22000	1.3	183000	3.94	22000	0.32	183000	0.98	22000
	32C	3181	0.55	183000	1.70	22000	0.36	183000	1.13	22000	1.1	183000	3.40	22000	0.28	183000	0.85	22000
	36C	3494	0.50	183000	1.55	22000	0.33	183000	1.03	22000	1.0	183000	3.09	22000	0.25	183000	0.77	22000
	40C	3666	0.48	183000	1.47	22000	0.32	183000	0.98	22000	0.95	183000	2.95	22000	0.24	183000	0.74	22000
	46C	4812	0.36	183000	1.12	22000	0.24	183000	0.74	22000	0.73	183000	2.25	22000	0.18	183000	0.56	22000
	55C	5775	0.30	183000	0.94	22000	0.20	183000	0.62	22000	0.61	183000	1.87	22000	0.15	183000	0.47	22000
	65C	6440	0.27	183000	0.84	22000	0.18	183000	0.56	22000	0.54	183000	1.68	22000	0.14	183000	0.42	22000
	74C	7728	0.23	183000	0.70	22000	0.15	183000	0.46	22000	0.45	183000	1.40	22000	0.113	183000	0.35	22000
	84C	8899	0.20	183000	0.61	22000	0.13	183000	0.40	22000	0.39	183000	1.21	22000	0.098	183000	0.30	22000

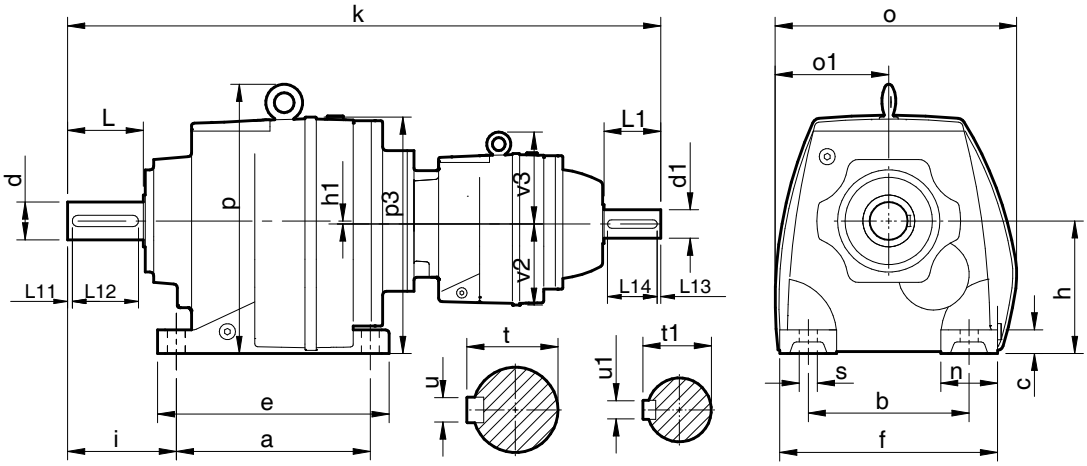
DIMENSIONS - BASE MOUNTED DOUBLE/ TRIPLE REDUCTION



Size	a	b	c	e	f	h	h1	i	k	n	o	o1	p	p3	s
M0122 M0132	4.33	4.33	0.47	5.16	5.31	2.95	0	2.28	11.26 / 11.85	0.98	5.98	2.99	-	5.87	0.39
M0222 M0232	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	12.48 / 12.99	1.38	6.69	3.31	-	7.09	0.39
M0322 M0332	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	12.48 / 12.99	1.38	6.69	3.31	-	7.09	0.39
M0422 M0432	6.50	5.31	0.79	7.87	7.48	4.53	0	3.54	14.53 / 14.84	2.17	8.03	3.82	-	8.19	0.59
M0522 M0532	6.50	5.31	0.79	7.87	7.48	4.53	0	3.94	14.92 / 15.24	2.17	8.03	3.82	-	8.19	0.59
M0622 M0632	7.68	5.91	0.94	9.25	8.27	5.12	0.57	3.94	15.75 / 16.06	2.36	8.66	4.33	9.69	8.43	0.59
M0722 M0731	8.07	6.69	0.98	9.65	9.06	5.51	0	4.53	17.32 / 17.80	2.36	9.92	4.69	11.61	9.84	0.75
M0822 M0832	10.24	8.46	1.38	12.20	11.42	7.09	0	5.51	21.85 / 21.26	2.95	12.60	6.57	14.17	12.20	0.75
M0922 M0932	12.20	9.84	1.77	14.37	13.39	8.86	0	6.30	25.98 / 25.75	3.54	14.76	6.93	18.31	15.55	0.87
M1022 M1032	14.57	11.42	1.77	17.32	15.75	9.84	0	7.28	30.79 / 30.59	4.33	17.13	8.11	20.63	17.56	1.06
M1322 M1332	16.14	13.39	2.36	19.29	17.72	12.40	0.69	8.66	35.71 / 35.75	4.33	18.90	9.09	24.21	20.31	1.30
M1422 M1432	19.69	14.96	2.76	23.23	20.87	13.98	0.93	10.24	40.24 / 40.39	5.91	21.06	10.55	26.77	22.87	1.54
M1622 M1632	22.83	19.69	3.15	26.38	25.98	16.73	1.66	10.63	45.83 / 45.75	6.30	29.92	13.19	31.69	26.57	1.54

Size	d1	L1	L14	t1	u1	d	L	L12	t	u
M0122 M0132	0.6250 / 0.6245	1.57	1.38	0.70	0.188	0.7500 / 0.7495	1.57	1.38	0.83	0.188
M0222 M0232	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.0000 / 0.9995	1.97	1.38	1.11	0.250
M0322 M0332	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.0000 / 0.9995	1.97	1.38	1.11	0.250
M0422	0.7500 / 0.7495	1.57	1.38	0.83	0.188	1.2500 / 1.2495	2.36	2.13	1.36	0.250
M0432	0.6250 / 0.6245	1.57		0.70						
M0522	0.7500 / 0.7495	1.57	1.38	0.83	0.188	1.3750 / 1.3745	2.76	2.53	1.51	0.313
M0532	0.6250 / 0.6245	1.57		0.70						
M0622	0.7500 / 0.7495	1.57	1.38	0.83	0.188	1.3750 / 1.3745	2.76	2.53	1.51	0.313
M0632	0.6250 / 0.6245	1.57		0.70						
M0722	0.8750 / 0.8745	1.97	1.38	0.96	0.188	1.6250 / 1.6240	3.15	2.53	1.78	0.375
M0732	0.7500 / 0.7495	1.57		0.83						
M0822	1.1250 / 1.1245	2.36	2.13	1.23	0.250	2.1250 / 2.1240	3.94	3.00	2.34	0.500
M0832	0.8750 / 0.8745	1.97	1.38	0.96						
M0922	1.3750 / 1.3745	3.15	2.56	1.51	0.313	2.3750 / 2.3740	4.72	4.00	2.65	0.625
M0932	1.1250 / 1.1245	2.36	2.13	1.23						
M1022	1.6250 / 1.6240	4.33	3.88	1.79	0.375	2.8750 / 2.8740	5.51	5.00	3.20	0.750
M1032	1.3750 / 1.3745	3.15	2.56	1.51						
M1322	2.1250 / 2.1240	4.33	4.06	2.35	0.500	3.6250 / 3.6240	6.69	6.30	4.01	0.875
M1332	1.6250 / 1.6240	4.33	3.88	1.79						
M1422	2.1250 / 2.1240	4.33	4.06	2.35	0.500	4.0000 / 3.9990	8.27	8.00	4.44	1.000
M1432	1.6250 / 1.6240	4.33	3.88	1.79						
M1622	2.8750 / 2.8740	5.51	5.00	3.20	0.750	4.0000 / 3.9990	8.27	8.00	4.44	1.000
M1632	2.1250 / 2.1240	4.33	4.06	2.35						

DIMENSIONS - BASE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION

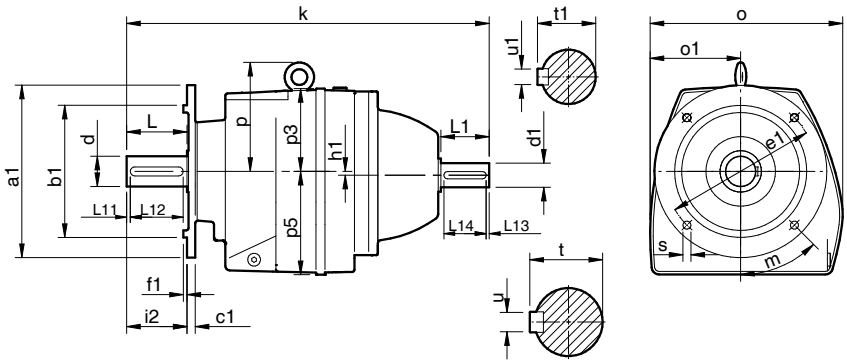


Size	a	b	c	e	f	h	h1	i	k	n	o	o1	p	p3	v2	v3	s
M0342 M0352	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	19.80 20.39	1.38	6.69	3.31	-	7.09	2.99	2.91	0.39
M0442 M0452	6.50	5.31	0.79	7.87	7.48	4.53	0	3.54	22.48 22.99	2.17	8.03	3.82	-	8.19	3.58	3.54	0.59
M0542 M0552	6.50	5.31	0.79	7.87	7.48	4.53	0	3.94	22.87 23.39	2.17	8.03	3.82	-	8.19	3.58	3.54	0.59
M0642 M0652	7.68	5.91	0.94	9.25	8.27	5.12	0.57	3.94	23.70 24.21	2.36	8.66	4.33	9.69	8.43	3.58	3.54	0.59
M0742 M0752	8.07	6.69	0.98	9.65	9.06	5.51	0	4.53	25.16 25.67	2.36	9.92	4.69	11.61	9.84	3.58	3.54	0.75
M0842 M0852	10.24	8.46	1.38	12.20	11.42	7.09	0	5.51	29.57 29.88	2.95	12.60	6.57	14.17	12.20	4.53	3.66	0.75
M0942 M0952	12.20	9.84	1.77	14.37	13.39	8.86	0	6.30	32.76 33.07	3.54	14.76	6.93	18.31	15.55	4.53	3.66	0.87
M1042 M1052	14.57	11.42	1.77	17.32	15.75	9.84	0	7.28	37.64 38.11	4.33	17.13	8.11	20.63	17.56	5.51	6.10	1.06
M1342 M1352	16.14	13.39	2.36	19.29	17.72	12.40	0.69	8.66	42.40 42.87	4.33	18.90	9.09	24.21	20.31	5.51	6.10	1.30
M1442 M1452	19.69	14.96	2.76	23.23	20.87	13.98	0.93	10.24	46.93 47.40	5.91	21.06	10.55	26.77	22.87	5.51	6.10	1.54
M1642 M1652	22.83	19.69	3.15	26.38	25.98	16.73	1.66	10.63	65.98 65.75	6.30	26.38	13.19	31.69	26.57	9.06	9.45	1.54

Size	d1	L1	L14	t1	u1	d	L	L12	t	u
M0342 M0352	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.0000 / 0.9995	1.57	1.38	1.11	0.250
M0442 M0452	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.2500 / 1.2495	1.97	2.13	1.36	0.250
M0542 M0552	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.3750 / 1.3745	2.36	2.53	1.51	0.313
M0642 M0652	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.3750 / 1.3745	2.36	2.53	1.51	0.313
M0742 M0752	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.6250 / 1.6240	2.76	2.53	1.78	0.375
M0842 M0852	0.7500 / 0.7495 0.6250 / 0.6245	1.57 1.57	1.38 1.38	0.83 0.70	0.188 0.188	2.1250 / 2.1240	3.15	3.00	2.34	0.500
M0942 M0952	0.7500 / 0.7495 0.6250 / 0.6245	1.57 1.57	1.38 1.38	0.83 0.70	0.188 0.188	2.3750 / 2.3740	4.33	4.00	2.65	0.625
M1042 M1052	0.8750 / 0.8745 0.7500 / 0.7495	1.97 1.57	1.38 1.38	0.96 0.83	0.188 0.188	2.8750 / 2.8740	4.33	5.00	3.20	0.750
M1342 M1352	0.8750 / 0.8745 0.7500 / 0.7495	1.97 1.57	1.38 1.38	0.96 0.83	0.188 0.188	3.6250 / 3.6240	5.51	6.30	4.01	0.875
M1442 M1452	0.8750 / 0.8745 0.7500 / 0.7495	1.97 1.57	1.38 1.38	0.96 0.83	0.188 0.188	4.0000 / 3.9990	7.09	8.00	4.44	1.000
M1642 M1652	1.3750 / 1.3745 1.1250 / 1.1245	3.15 2.36	2.56 2.13	1.51 1.23	0.313 0.250	5.0000 / 4.9990	7.87	8.00	5.50	1.250

DIMENSIONS - FLANGE MOUNTED DOUBLE/ TRIPLE REDUCTION

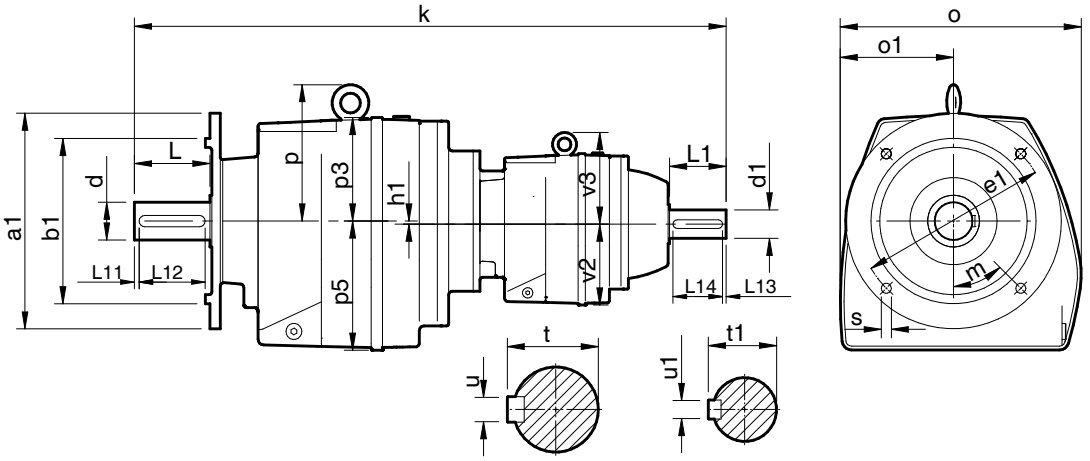
M



Size	a1	b1	c1	e1	f1	s	m	h1	i2	k	o	o1	p	p3	p5
M0122	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.57	11.26	5.98	2.99	-	2.91	2.99
M0132	5.51	3.74	0.39	4.53	0.12	4 x 0.35									
	6.30	4.33	0.39	5.12	0.14	4 x 0.35				11.85					
	7.87	5.12	0.39	6.50	0.14	4 x 0.43									
M0222	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.97	12.48	6.69	3.31	-	3.54	3.58
M0232	5.51	3.74	0.39	4.53	0.12	4 x 0.35									
	6.30	4.33	0.39	5.12	0.14	4 x 0.35				12.99					
	7.87	5.12	0.39	6.50	0.14	4 x 0.43									
M0322	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.97	12.48	6.69	3.31	-	3.54	3.58
M0332	5.51	3.74	0.39	4.53	0.12	4 x 0.35									
	6.30	4.33	0.39	5.12	0.14	4 x 0.35				12.99					
	7.87	5.12	0.39	6.50	0.14	4 x 0.43									
M0422	5.51	3.74	0.43	4.53	0.12	4 x 0.35	45°	0	2.36	14.53	8.03	3.82	-	3.66	4.53
M0432	6.30	4.33	0.43	5.12	0.14	4 x 0.35									
	7.87	5.12	0.43	6.50	0.14	4 x 0.43				14.84					
	9.84	7.09	0.43	8.46	0.16	4 x 0.50									
M0522	5.51	3.74	0.43	4.53	0.12	4 x 0.35	45°	0	2.76	14.92	8.03	3.82	-	3.66	4.53
M0532	6.30	4.33	0.43	5.12	0.14	4 x 0.35									
	7.87	5.12	0.43	6.50	0.14	4 x 0.43				15.24					
	9.84	7.09	0.43	8.46	0.16	4 x 0.50									
M0622	7.87	5.12	0.43	6.50	0.14	4 x 0.43	45°	0.57	2.76	15.75	8.66	4.33	4.57	3.31	5.12
M0632	9.84	7.09	0.43	8.46	0.16	4 x 0.50									
	11.81	9.06	0.43	10.43	0.16	4 x 0.50				16.06					
M0722	7.87	5.12	0.43	6.50	0.14	4 x 0.43	45°	0	3.15	17.32	9.92	4.69	6.10	4.33	5.51
M0732	9.84	7.09	0.43	8.46	0.16	4 x 0.50									
	11.81	9.06	0.43	10.43	0.16	4 x 0.50				17.80					
M0822	11.81	9.06	0.67	10.43	0.16	4 x 0.50	45°	0	3.94	21.85	12.60	6.57	7.09	5.12	7.17
M0832	13.78	9.84	0.67	11.81	0.20	4 x 0.70				21.26					
M0922	13.78	9.84	0.71	11.81	0.20	4 x 0.70	45°	0	4.72	25.98	14.76	6.93	9.45	6.69	9.06
M0932	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°			25.75					
M1022	13.78	9.84	0.71	11.81	0.20	4 x 0.70	45°	0	5.91	30.79	17.13	8.11	10.79	7.72	10.04
M1032	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°			30.59					
M1322	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	0.69	6.69	35.71	18.90	9.09	11.81	7.95	12.20
M1332	21.65	17.72	0.98	19.69	0.20					35.75					
M1422	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	0.93	8.27	40.24	21.06	10.55	12.80	8.90	13.78
M1432	21.65	17.72	0.98	19.69	0.20					40.39					
M1622	21.65	17.72	0.98	19.69	0.20	8 x 0.70	22.5°	1.66	8.27	45.83	29.92	13.19	14.96	9.84	16.34
M1632	25.98	21.65	1.10	23.62	0.24	8 x 0.87				45.75					

Size	d1	L1	L14	t1	u1	d	L	L12	t	u
M0122	0.6250 / 0.6245	1.57	1.38	0.70	0.188	0.7500 / 0.7495	1.57	1.38	0.83	0.188
M0132										
M0222	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.0000 / 0.9995	1.97	1.38	1.11	0.250
M0232										
M0322	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.0000 / 0.9995	1.97	1.38	1.11	0.250
M0332										
M0422	0.7500 / 0.7495	1.57	1.38	0.83	0.188	1.2500 / 1.2495	2.36	2.13	1.36	0.250
M0432	0.6250 / 0.6245	1.57		0.70						
M0522	0.7500 / 0.7495	1.57	1.38	0.83	0.188	1.3750 / 1.3745	2.76	2.53	1.51	0.313
M0532	0.6250 / 0.6245	1.57		0.70						
M0622	0.7500 / 0.7495	1.57	1.38	0.83	0.188	1.3750 / 1.3745	2.76	2.53	1.51	0.313
M0632	0.6250 / 0.6245	1.57		0.70						
M0722	0.8750 / 0.8745	1.97	1.38	0.96	0.188	1.6250 / 1.6240	3.15	2.53	1.78	0.375
M0732	0.7500 / 0.7495	1.57		0.83						
M0822	1.1250 / 1.1245	2.36	2.13	1.23	0.250	2.1250 / 2.1240	3.94	3.00	2.34	0.500
M0832	0.8750 / 0.8745	1.97	1.38	0.96						
M0922	1.3750 / 1.3745	3.15	2.56	1.51	0.313	2.3750 / 2.3740	4.72	4.00	2.65	0.625
M0932	1.1250 / 1.1245	2.36	2.13	1.23						
M1022	1.6250 / 1.6240	4.33	3.88	1.79	0.375	2.8750 / 2.8740	5.51	5.00	3.20	0.750
M1032	1.3750 / 1.3745	3.15	2.56	1.51						
M1322	2.1250 / 2.1240	4.33	4.06	2.35	0.500	3.6250 / 3.6240	6.69	6.30	4.01	0.875
M1332	1.6250 / 1.6240	4.33	3.88	1.79						
M1422	2.1250 / 2.1240	4.33	4.06	2.35	0.500	4.0000 / 3.9990	8.27	8.00	4.44	1.000
M1432	1.6250 / 1.6240	4.33	3.88	1.79						
M1622	2.8750 / 2.8740	5.51	5.00	3.20	0.750	4.0000 / 3.9990	8.27	8.00	4.44	1.000
M1632	2.1250 / 2.1240	4.33	4.06	2.35						

DIMENSIONS - FLANGE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION



Size	a1	b1	c1	e1	f1	s	m	h1	i2	k	o	o1	p	p3	p5	v2	v3
M0342 M0352	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.97	19.80	6.69	0.31	-	3.54	3.58	2.99	2.91
	5.51	3.74	0.39	4.53	0.12	4 x 0.35											
	6.30	4.33	0.39	5.12	0.14	4 x 0.35				20.39							
	7.87	5.12	0.39	6.50	0.14	4 x 0.43											
M0442 M0452	5.51	3.74	0.43	4.53	0.12	4 x 0.35	45°	0	2.36	22.48	8.03	0.31	-	3.66	4.53	3.58	3.54
	6.30	4.33	0.43	5.12	0.14	4 x 0.35											
	7.87	5.12	0.43	6.50	0.14	4 x 0.43				22.99							
	9.84	7.09	0.43	8.46	0.16	4 x 0.50											
M0542 M0552	5.51	3.74	0.43	4.53	0.12	4 x 0.35	45°	0	2.76	22.87	8.03	0.39	-	3.66	4.53	3.58	3.54
	6.30	4.33	0.43	5.12	0.14	4 x 0.35											
	7.87	5.12	0.43	6.50	0.14	4 x 0.43				23.39							
	9.84	7.09	0.43	8.46	0.16	4 x 0.50											
M0642 M0652	7.87	5.12	0.43	6.50	0.14	4 x 0.43	45°	0.57	2.76	23.7	8.66	0.39	4.57	3.31	5.12	3.58	3.54
	9.84	7.09	0.43	8.46	0.16	4 x 0.50											
	7.87	5.12	0.43	6.50	0.14	4 x 0.43				25.7							
M0742 M0752	9.84	7.09	0.43	8.46	0.16	4 x 0.50	45°	0	3.15	25.2	9.92	0.47	6.10	4.33	5.51	3.58	3.54
	11.81	9.06	0.43	10.43	0.16	4 x 0.50											
	13.78	9.84	0.67	11.81	0.20	4 x 0.70				32.8							
M0842 M0852	13.78	9.84	0.71	11.81	0.20	4 x 0.70	45°	0	3.94	29.6	12.60	0.55	7.09	5.12	7.17	4.53	3.66
	17.72	13.78	0.87	15.75	0.20	8 x 0.70				13.78							
M0942 M0952	17.72	13.78	0.87	15.75	0.20	8 x 0.70	45°	0	4.72	32.8	12.80	0.71	9.45	6.69	9.06	4.53	3.66
	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°			21.65							
M1042 M1052	17.72	13.78	0.87	15.75	0.20	8 x 0.70	45°	0	5.51	37.6	13.19	8.11	10.79	7.72	10.04	5.51	6.10
	21.65	17.72	0.98	19.69	0.20	8 x 0.70	22.5°			21.65							
M1342 M1352	25.98	21.65	1.10	23.62	0.24	8 x 0.87	22.5°	0.69	6.69	42.4	18.90	0.98	11.81	7.95	12.20	5.51	6.10
	13.78	9.84	0.71	11.81	0.20					17.72							
M1442 M1452	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	0.93	8.27	46.9	21.06	1.10	12.80	8.90	13.78	5.51	6.10
	21.65	17.72	0.98	19.69	0.20					47.4							
M1642 M1652	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	1.66	8.27	66.0	29.92	1.26	14.96	9.84	16.34	9.06	9.45
	21.65	17.72	0.98	19.69	0.20	8 x 0.70				21.65							

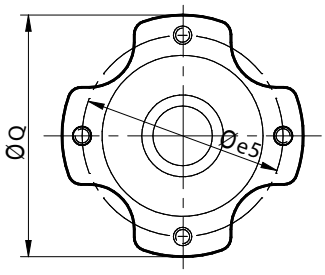
Size	d1	L1	L14	t1	u1	d	L	L12	t	u
M0342 M0352	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.0000 / 0.9995	1.57	1.38	1.11	0.250
M0442 M0452	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.2500 / 1.2495	1.97	2.13	1.36	0.250
M0542 M0552	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.3750 / 1.3745	2.36	2.53	1.51	0.313
M0642 M0652	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.3750 / 1.3745	2.36	2.53	1.51	0.313
M0742 M0752	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.6250 / 1.6240	2.76	2.53	1.78	0.375
M0842 M0852	0.7500 / 0.7495	1.57	1.38	0.83	0.188	2.1250 / 2.1240	3.15	3.00	2.34	0.500
	0.6250 / 0.6245	1.57	1.38	0.70	0.188					
M0942 M0952	0.7500 / 0.7495	1.57	1.38	0.83	0.188	2.3750 / 2.3740	4.33	4.00	2.65	0.625
	0.6250 / 0.6245	1.57	1.38	0.70	0.188					
M1042 M1052	0.8750 / 0.8745	1.97	1.38	0.96	0.188	2.8750 / 2.8740	4.33	5.00	3.20	0.750
	0.7500 / 0.7495	1.57	1.38	0.83	0.188					
M1342 M1352	0.8750 / 0.8745	1.97	1.38	0.96	0.188	3.6250 / 3.6240	5.51	6.30	4.01	0.875
	0.7500 / 0.7495	1.57	1.38	0.83	0.188					
M1442 M1452	0.8750 / 0.8745	1.97	1.38	0.96	0.188	4.0000 / 3.9990	7.09	8.00	4.44	1.000
	0.7500 / 0.7495	1.57	1.38	0.83	0.188					
M1642 M1652	1.3750 / 1.3745	3.15	2.56	1.51	0.313	5.0000 / 4.9990	7.87	8.00	5.50	1.250
	1.1250 / 1.1245	2.36	2.13	1.23	0.250					

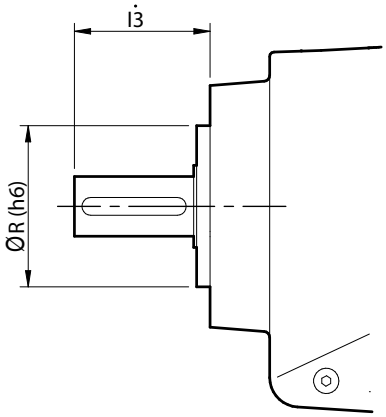
M

Column 9 Entry

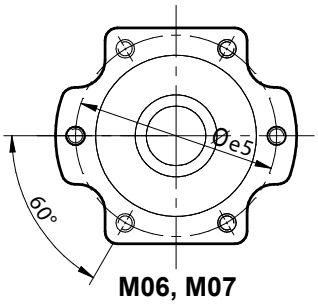
E C-Flange (B14) Mounting

V Base and C-Flange (B14) Mounting (non standard - special orders only)

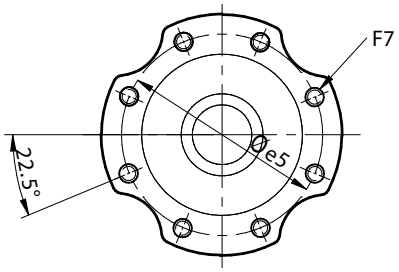




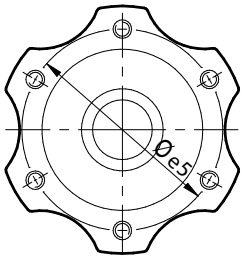
M01, M02, M03



M06, M07



M08



M09, M10, M13, M14, & M16

2, 3, 4 & 5 Stage Units

Size	Øe5	F7	i3	ØQ	ØR
M01	2.95	(4) M8 x 12	2.13	3.86	2.05
M02 / M03	3.78	(4) M8 x 15	2.44 / 2.44	4.53	2.95
M04 / M05	4.13	(4) M12 x 21	2.91 / 3.31	5.12	3.35
M06 / M07	4.92	(6) M12 x 21	3.31 / 3.70	5.98	4.02
M08	6.69	(8) M12 x 21	4.72	7.68	5.71
M09/ M10	9.06	(6) M20 x 30	5.83 / 6.61	10.43	7.48
M13/ M14	11.02	(6) M24 x 40	8.27 / 9.84	13.39	8.86
M16	12.40	(6) M24 x 40	9.65	14.57	10.24

THERMAL POWER RATINGS

Thermal Ratings HP

Thermal ratings are a measure of the units ability to dissipate heat, if they are exceeded the lubricant may break down resulting in premature gear failure.

Thermal rating are based on an ambient temperature of 77ºF, where units are to operate in other ambient temperatures thermal ratings must be adjusted by the following factors

Ambient Temperature Modification Factor Ft

-4ºF	14ºF	32ºF	50ºF	68ºF	77ºF	95ºF	104ºF	113ºF	122ºF
1.54	1.42	1.30	1.18	1.06	1.00	0.88	0.82	0.76	0.70

Units Operating in Mounting Position's 5 & 6

Thermal ratings for position's 5 & 6 are reduced to 70% of the tabulated values.
Minimum ratio's permitted for positions 5 & 6 are dependant on input speed (rpm) and unit size - see table

Minimum Ratio - Position's 5 & 6

	< 1000 rpm	< 1500 rpm	< 1800 rpm
M01 - M08	All	All	All
M09	2 : 1	4 : 1	4.5 : 1
M10	4 : 1	8 : 1	9 : 1
M13	6.3 : 1	11 : 1	14 : 1
M14	12 : 1	18 : 1	22 : 1
M16	12 : 1	18 : 1	22 : 1

Units without additional cooling - HP

n1 rpm	Ratio	M0122	M0222 M0322	M0422 M0522	M0622	M0722	M0822	M0922	M1022	M1322	M1422	M1622
3500	3.6 - 5.6	6.1	8.4	14.8	18.5	22.6	34.6	-	-	-	-	-
1750		6.0	8.3	14.8	18.4	22.5	34.5	53.0	69.1	84.6	119	173
1450		6.0	8.3	14.8	18.4	22.5	34.5	53.0	69.1	84.5	119	173
1160		6.0	8.3	14.7	18.4	22.5	34.4	52.9	69.0	84.4	119	173
3500	6.3 - 9.0	5.8	8.2	14.3	17.6	22.2	33.9	52.0	67.9	83.0	117	-
1750		5.8	8.2	14.2	17.6	22.1	33.8	51.8	67.6	82.7	116	169
1450		5.8	8.2	14.2	17.6	22.1	33.8	51.8	67.6	82.6	116	169
1160		5.8	8.2	14.2	17.5	22.1	33.8	51.7	67.5	82.5	116	169
3500	11. - 16.	5.7	7.7	13.5	16.7	20.9	31.9	49.8	65.1	79.5	112	-
1750		5.6	7.6	13.4	16.6	20.8	31.8	49.7	64.8	79.2	112	162
1450		5.6	7.6	13.4	16.6	20.8	31.8	49.6	64.8	79.1	111	162
1160		5.6	7.6	13.4	16.6	20.8	31.7	49.6	64.7	79.0	111	162
3500	18. - 28.	5.1	6.9	12.5	15.5	19.4	29.6	43.4	56.6	69.1	97.4	-
1750		5.1	6.8	12.5	15.4	19.3	29.5	43.2	56.4	68.8	97.0	141
1450		5.1	6.8	12.5	15.4	19.3	29.5	43.2	56.3	68.8	97.0	141
1160		5.1	6.8	12.5	15.4	19.3	29.5	43.1	56.3	68.7	96.9	141
3500	32. - 56.	4.3	5.7	9.7	12.1	15.1	23.3	33.4	43.6	53.3	75.2	-
1750		4.3	5.6	9.7	12.1	15.0	23.2	33.3	43.5	53.1	74.9	109
1450		4.3	5.6	9.7	12.1	15.0	23.2	33.3	43.4	53.1	74.8	109
1160		4.3	5.6	9.6	12.1	15.0	23.2	33.2	43.4	53.1	74.8	109

n1 rpm	Ratio	M0132	M0232 M0332	M0432 M0532	M0632	M0732	M0832	M0932	M1032	M1332	M1432	M1632
3500	56 - 200	3.4	4.4	8.2	10.1	12.5	21.4	30.8	40.1	49.2	69.2	100
1750		3.4	4.4	8.2	10.1	12.5	21.3	30.7	40.0	49.0	69.0	100
1450		3.4	4.4	8.2	10.1	12.5	21.3	30.7	40.0	48.9	68.9	100
1160		3.3	4.4	8.2	10.0	12.5	21.3	30.7	39.9	48.9	68.9	100

Units with fan cooling - HP

n1 rpm	Ratio	M0722	M0822	M0922	M1022	M1322	M1422	M1622
3500	3.6 - 5.6	-	-	-	-	-	-	-
1750		33.5	51.3	78.8	103	126	177	257
1450		31.3	47.9	73.6	95.9	117	165	240
1160		28.2	43.1	66.2	86.3	106	149	216
3500	6.3 - 9.0	-	-	-	-	-	-	-
1750		32.9	50.3	77.0	101	123	173	251
1450		30.7	46.9	71.9	93.9	115	162	235
1160		27.7	42.2	64.7	84.5	103	145	211
3500	11. - 16.	-	-	-	-	-	-	-
1750		30.9	47.3	73.8	96.3	118	166	241
1450		28.9	44.1	68.9	90.0	110	155	225
1160		26.0	39.7	62.0	81.0	98.9	139	203
3500	18. - 28.	-	-	-	-	-	-	-
1750		28.7	43.9	64.2	83.8	102	144	209
1450		26.8	41.0	60.0	78.2	95.5	135	196
1160		24.1	36.9	54.0	70.4	86.0	121	176
3500	32. - 56.	-	-	-	-	-	-	-
1750		22.3	34.5	49.5	64.6	79.0	111	162
1450		20.9	32.2	46.2	60.3	73.8	104	151
1160		18.8	29.0	41.6	54.3	66.4	93.5	136

Note: When checking thermal capacities use the actual load required to be transmitted, not the rating of prime mover.

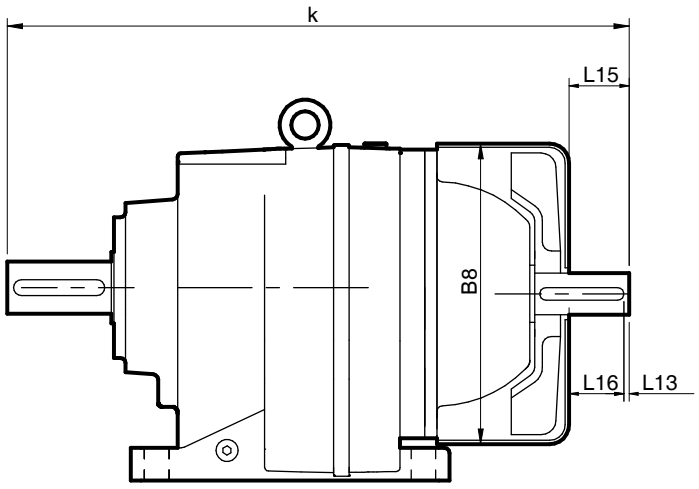
Column 10 Entry

For reducer fan kit modules enter S in column 10

or if used in conjunction with a reducer backstop module kit Y CW rotation

Z CCW rotation

Dimensions of Fan Cooled Units



Shaft End Detail
as Standard Unit

Size	ØB8	k	L15
M0722	8.86	17.32	1.38
M0822	10.43	21.85	1.77
M0922	12.60	25.94	2.56
M1022	14.96	30.79	3.74
M1322	16.54	35.55	3.35
M1422	18.90	40.08	3.35
M1622	22.44	45.83	4.41

REDUCER BACKSTOP MODULE

The reducer units listed below can be fitted with an internal backstop, this has no effect of the external unit size. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (n min). To ensure correct operation input speed must exceed lift off speed.

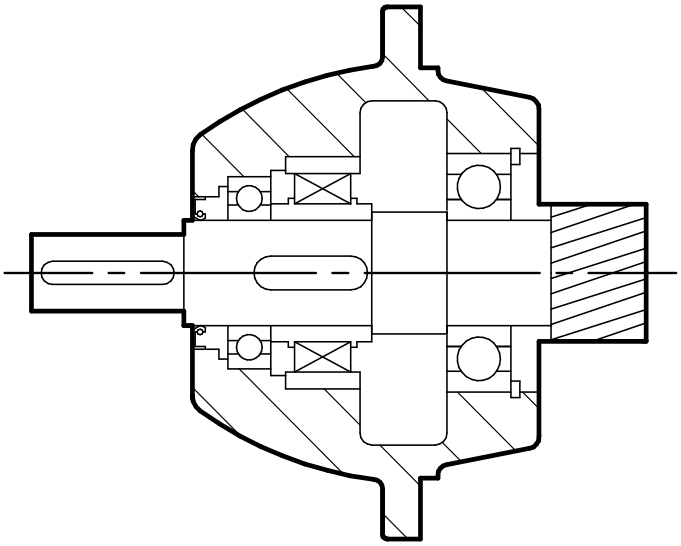
Suitable for ambient temperature -40°F to + 120°F

Column 10 Entry

For reducer backstop modules enter:

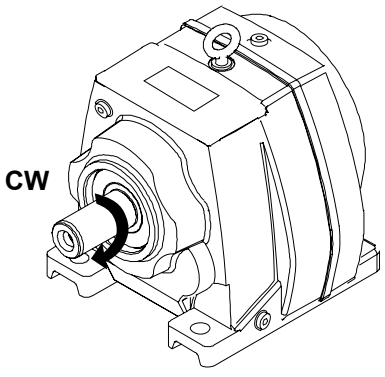
W	for CCW rotation	(or Z	if used in conjunction with a fan kit)
X	for CW rotation	(or Y	if used in conjunction with a fan kit)

Size	Lift off speed 'n min' rpm	Rated locking torque 'T max' (at motor) lb.in
M0422	800	885
M0522	800	885
M0622	800	885
M0722	670	1505
M0732	800	885
M0822	670	2655
M0832	670	1505
M0922	620	8320
M0932	670	2655
M1022	670	11150
M1032	620	8320
M1322	590	12830
M1332	670	11150
M1422	590	12830
M1432	550	11150
M1622	610	15930
M1632	550	12830



Rotation of output shaft must be specified when ordering as viewed from the output shaft end (as shown in the diagram)

CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise



M

Weight of Base Mounted Units (lb)

	"UNIT SIZE & No OF REDUCTIONS"		M0122	M0132	M0222	M0232	M0322	M0332	M0342	M0352	M0422	M0432	M0442	M0452	M0522	M0532	M0542	M0552	M0622	M0632	M0642	M0652	M0722	M0732	M0742	M0752
	REDUCER VERSION		18	19	26	29	26	29	47	48	49	50	73	75	49	50	73	75	59	60	88	90	84	86	106	108
MOTORISED	56C	Exc Motor	20	21	29	32	29	32	50	51	48	49	72	74	48	49	72	74	58	59	87	89	86	88	108	110
		Inc Motor	45	46	54	57	54	57	75	76	73	74	97	99	73	74	97	99	83	84	112	114	111	113	133	135
	143TC	Exc Motor	20	21	29	32	29	32	50	51	48	49	72	74	48	49	72	74	58	59	87	89	86	88	108	110
		Inc Motor	50	51	59	62	59	62	80	81	78	79	102	104	78	79	102	104	88	89	117	119	116	118	138	140
	145TC	Exc Motor	20	21	29	32	29	32	50	51	48	49	72	74	48	49	72	74	58	59	87	89	86	88	108	110
		Inc Motor	60	61	69	72	69	72	90	91	88	89	112	114	88	89	112	114	98	99	127	129	126	128	148	150
	182TC	Exc Motor	23	24	31	34	32	34	53	54	63	64	87	89	63	64	87	89	73	74	102	104	99	101	121	123
		Inc Motor	78	79	86	89	87	89	108	109	118	119	142	144	118	119	142	144	128	129	157	159	154	156	176	178
	184TC	Exc Motor	23	24	31	34	32	34	53	54	63	64	87	89	63	64	87	89	73	74	102	104	99	101	121	123
		Inc Motor	100	101	108	111	109	111	130	131	140	141	164	166	140	141	164	166	150	151	179	181	176	178	198	200
	213TC	Exc Motor									63				63				73				99			
		Inc Motor									178				178				188				214			
	215TC	Exc Motor									63				63				73				99			
		Inc Motor									223				223				233				259			
	254TC	Exc Motor																					99			
		Inc Motor																					384			
	256TC	Exc Motor																					99			
		Inc Motor																					409			

	"UNIT SIZE & No OF REDUCTIONS"		M0822	M0832	M0842	M0852	M0922	M0932	M0942	M0952	M1022	M1032	M1042	M1052	M1322	M1332	M1342	M1352	M1422	M1432	M1442	M1452	M1622	M1632	M1642	M1652
	REDUCER VERSION		148	163	212	214	267	287	331	333	353	382	448	450	571	618	677	679	783	825	889	891	1390	1412	1707	1727
MOTORISED	56C	Exc Motor	156	146	210	212		295	330	354			446	482			680	682			895	898				1735
		Inc Motor	181	171	235	237		320	355	379			471	507			705	707			920	923				1760
	143TC	Exc Motor	156	146	210	212		295	330	354			446	482			680	682			895	898				1735
		Inc Motor	186	176	240	242		325	360	384			476	512			710	712			925	928				1765
	145TC	Exc Motor	156	146	210	212		295	330	354			446	482			680	682			895	898				1735
		Inc Motor	196	186	250	252		335	370	394			486	522			720	722			935	937				1775
	182TC	Exc Motor	156	159	225	227	263	295	347	370	330	381	459	495	534	580	680	682		755	895	898		1350	1700	1730
		Inc Motor	211	214	280	282	318	350	402	425	385	436	514	550	589	635	745	747		810	950	953		1405	1755	1785
	184TC	Exc Motor	156	159	225	227	263	295	347	370	330	381	459	495	534	580	680	682		755	895	898		1350	1700	1730
		Inc Motor	233	236	302	304	340	372	424	447	407	458	536	572	611	657	757	759		832	972	975		1427	1777	1807
	213TC	Exc Motor	156	159	225	227	263	295	347	370	330	381	459	495	534	580	680	682	735	777	895	898		1350	1700	1730
		Inc Motor	271	274	340	342	378	410	462	485	445	496	574	610	649	695	795	797	850	892	1010	1013		1465	1815	1845
	215TC	Exc Motor	156	159	225	227	263	295	347	370	330	381	459	495	534	580	680	682	735	777	895	898		1350	1700	1730
		Inc Motor	316	319	385	387	423	455	507	530	490	541	619	655	694	740	840	842	895	937	1055	1058		1510	1860	1890
	254TC	Exc Motor	156				279	295			349	397			539	585			735	777				1350	1700	1730
		Inc Motor	441				564	580			634	682			824	870			1020	1062				1635	1985	2015
	256TC	Exc Motor	156				279	295			349	397			539	585			735	777				1350	1700	1730
		Inc Motor	466				589	605			659	707			849	895			1045	1087				1660	2010	2040
	284TC	Exc Motor					279				354	402			539	585			740	782			1438	1375	1725	1755
		Inc Motor					709				784	832			969	1015			1170	1212			1868	1805	2155	2185
	286TC	Exc Motor					279				353	402			539	585			740	782			1438	1375	1725	1755
		Inc Motor					724				798	847			984	1030			1185	1227			1883	1820	2170	2200
	324TC	Exc Motor					288				358	406			545	591			745	787			1447	1400		
		Inc Motor					813				883	931			1070	1116			1270	1312			1972	1925		
	326TC	Exc Motor					288				358	406			545	591			745	787			1447	1400		
		Inc Motor					938				1008	1056			1195	1241			1395	1437			2097	2050		
	364TC	Exc Motor													685	731			878	920			1447	1400		
		Inc Motor													1400	1446			1593	1635			2162	2115		
	365TC	Exc Motor													685	731			878	920			1447	1400		
		Inc Motor													1525	1571			1718	1760			2287	2240		
	404TC	Exc Motor													699	745			885	927			1450	1400		
		Inc Motor													1800	1805			1945	1987			2510	2460		
	405TC	Exc Motor													699	745			885	927			1450	1400		
		Inc Motor													1900	1945			2085	2127			2650	2600		
	444TC	Exc Motor																					1475	1425		
		Inc Motor																					3315	3265		
	445TC	Exc Motor																					1475	1425		
		Inc Motor																					3435	3385		

PRODUCT SAFETY INFORMATION

Product Safety Information

IMPORTANT

General - The following information is important in ensuring safety. It **must** be brought to the attention of personnel involved in the selection of the equipment, those responsible for the design of the machinery in which it is to be incorporated and those involved in its installation, use and maintenance.

The equipment will operate safely provided it is selected, installed, used and maintained properly. As with any power transmission equipment **proper precautions must** be taken as indicated in the following paragraphs, to ensure safety.

Potential Hazards - these are **not** necessarily listed in any order of severity as the degree of danger varies in individual circumstances. It is important therefore that the list is studied in its entirety:-

1) Fire/Explosion
   (a) Oil mists and vapour are generated within gear units. It is therefore dangerous to use naked lights in the proximity of gearbox openings, due to the risk of fire or explosion.
   (b) In the event of fire or serious overheating (over 570°F), certain materials (rubber, plastics, etc.) may decompose and produce fumes. Care should be taken to avoid exposure to the fumes, and the remains of burned or overheated plastic/rubber materials should be handled with rubber gloves.

2) Guards - Rotating shafts and couplings must be guarded to eliminate the possibility of physical contact or entanglement of clothing. It should be of rigid construction and firmly secured.

3) Noise - High speed gearboxes and gearbox driven machinery may produce noise levels which are damaging to the hearing with prolonged exposure. Ear defenders should be provided for personnel in these circumstances. Reference should be made to the Department of Employment Code of Practice for reducing exposure of employed persons to noise.

4) Lifting - Where provided (on larger units) only the lifting points or eyebolts must be used for lifting operations (see maintenance manual or general arrangement drawing for lifting point positions). Failure to use the lifting points provided may result in personal injury and/or damage to the product or surrounding equipment. Keep clear of raised equipment.

5) Lubricants and Lubrication
   (a) Prolonged contact with lubricants can be detrimental to the skin. The manufacturer's instruction must be followed when handling lubricants.
   (b) The lubrication status of the equipment must be checked before commissioning. Read and carry out all instructions on the lubricant plate and in the installation and maintenance literature. Heed all warning tags. Failure to do so could result in mechanical damage and in extreme cases risk of injury to personnel.

6) Electrical Equipment - Observe hazard warnings on electrical equipment and isolate power before working on the gearbox or associated equipment, in order to prevent the machinery being started.

7) Installation, Maintenance and Storage
   (a) In the event that equipment is to be held in storage, for a period exceeding 6 months, prior to installation or commissioning, application engineering must be consulted regarding special preservation requirements. Unless otherwise agreed, equipment must be stored in a building protected from extremes of temperature and humidity to prevent deterioration.

   The rotating components (gears and shafts) must be turned a few revolutions once a month (to prevent bearings brinelling).
   (b) External gearbox components may be supplied with preservative materials applied, in the form of a "waxed" tape over wrap or wax film preservative. Gloves should be worn when removing these materials. The former can be removed manually, the latter using white spirit as a solvent.

   Preservatives applied to the internal parts of the gear units do not require removal prior to operation.
   (c) Installation must be performed in accordance with the manufacturer's instructions and be undertaken by suitably qualified personnel.
   (d) Before working on a gearbox or associated equipment, ensure that the load has been removed from the system to eliminate the possibility of any movement of the machinery and isolate power supply. Where necessary, provide mechanical means to ensure the machinery cannot move or rotate. Ensure removal of such devices after work is complete.
   (e) Ensure the proper maintenance of gearboxes in operation. Use only the correct tools and approved spare parts for repair and maintenance. Consult the Maintenance Manual before dismantling or performing maintenance work.

8) Hot Surfaces and Lubricants
   (a) During operation, gear units may become sufficiently hot to cause skin burns. Care must be taken to avoid accidental contact.
   (b) After extended running the lubricant in gear units and lubrication systems may reach temperatures sufficient to cause burns. Allow equipment to cool before servicing or performing adjustments.

9) Selection and Design
   (a) Where gear units provide a backstop facility, ensure that back-up systems are provided if failure of the backstop device would endanger personnel or result in damage.
   (b) The driving and driven equipment must be correctly selected to ensure that the complete machinery installation will perform satisfactorily, avoiding system critical speeds, system torsional vibration, etc.
   (c) The equipment must not be operated in an environment or at speeds, powers, torques or with external loads beyond those for which it was designed.
   (d) As improvements in design are being made continually the contents of this catalogue are not to be regarded as binding in detail, and drawings and capacities are subject to alterations without notice.

The above guidance is based on the current state of knowledge and our best assessment of the potential hazards in the operation of the gear units.

Any further information or clarification required may be obtained by contacting an Application Engineer.

radicon

An Elecon Group Company

F

Series F Shaft Mounted Helical

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F

GENERAL DESCRIPTION

Series F shaft mounted geared motors offer ratios from 5:1 to 100:1 in two stages, up to 320:1 in three stages and 5000:1 in four stages. Motors up to 50HP can be fitted, giving a maximum output torque capacity up to 71000 Lb-in.

The Series F geared motor is primarily designed as a shaft mounted unit incorporating an integral torque reaction bracket. The units are also available with rubber torque bushings, output flanges, output shafts and taper release bushings. All variants are available either motorized or with an input shaft assembly.

Adding to the range of geared motors this product takes advantage of our many years of accumulated design expertise together with the use of high quality materials and components. The end result is a series of speed reducing geared motors offering high load carrying capacities, increased efficiency, quiet running and reliability.

The Range Includes:

Nine Sizes of Units
F02, F03, F04, F05, F06, F07, F08, F09 and F10

Version T - standard unit with torque bushes
Version W - standard unit without torque bushes
Version F - standard unit with outputflange

Unit Types:

Unit type M - Motorised with IEC standard motor
Unit type D - Motorised with Compact motor
Unit type N - Motorised with NEMA standard motor
Unit type G - Unit to allow fitting of IEC motor
Unit type A - Unit to allow fitting of NEMA motor
Unit type R - Reducer unit
Unit type S - Reducer unit with fan kit
Unit type W - Reducer unit with backstop CCW rotation
Unit type X - Reducer unit with backstop CW rotation
Unit type Y - Reducer unit with fan and backstop CW rotation
Unit type Z - Reducer unit with fan and backstop CCW rotation

Design Features Include:

Patented standard motor connection (IEC or NEMA)

Ability to fit double oil seals, on output shaft or reducer input shaft as required.

All units are dimensionally interchangeable with other major manufacturers.

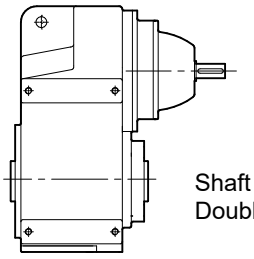
Braked geared motors are available as standard

Units are manufactured and assembled from a family of modular kits for distributor friendliness minimising inventory and maximising availability.

Motorised units can be fitted with a backstop module and reducer units can be fitted with a backstop and fan.

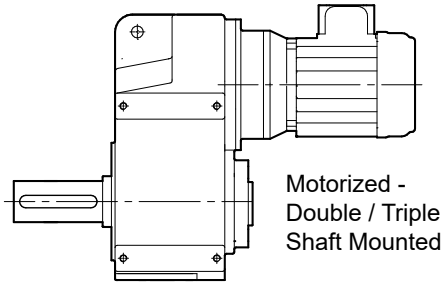
As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.

***** Typical unit designations



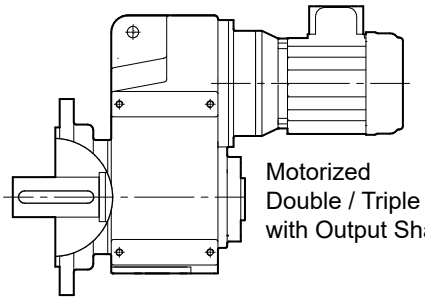
Shaft Mounted Reducer
Double / Triple Reduction

* F 0 4 2 3 5 0 . T R A - 1 - - - - - - -



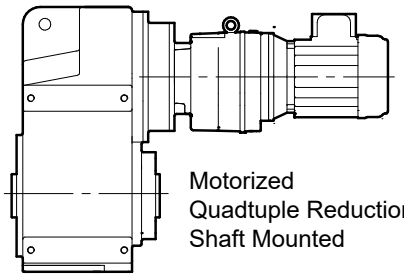
Motorized -
Double / Triple Reduction
Shaft Mounted

* F 0 4 2 3 5 0 . T N N - 1 D . 7 5 A - -



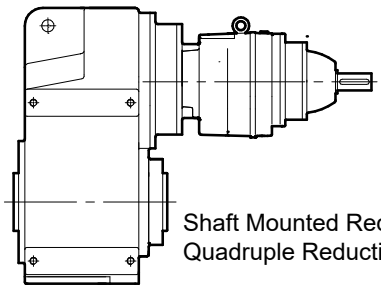
Motorized
Double / Triple Reduction
with Output Shaft and Flange

* F 0 4 2 3 5 0 . F N N - 1 D . 7 5 A - -



Motorized
Quadtuple Reduction
Shaft Mounted

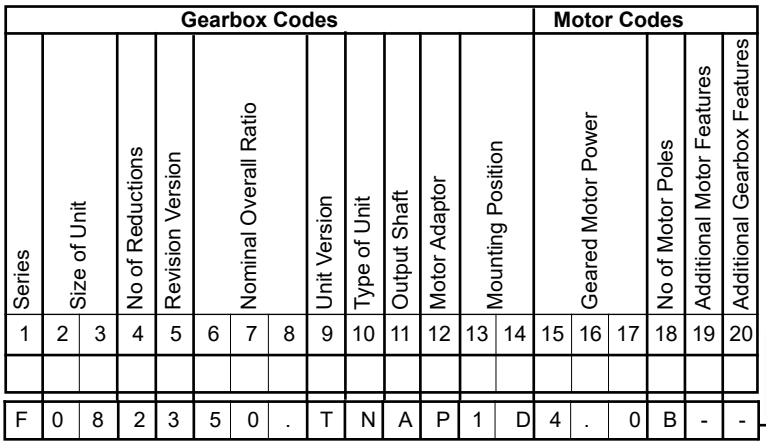
* F 0 6 4 3 5 0 0 T N A - 1 D . 1 2 A - -



Shaft Mounted Reducer
Quadruple Reduction

* F 0 6 4 3 5 0 0 T R A - 1 - - - - - - -

UNIT DESIGNATIONS



20 - Additional Gearbox Features
Double Oil Seal, Motorized Backstop etc
e.g. [-][F] (See Page 19)

1 - Series F
Range [F]

2, 3 - Size of Unit
[0 2] Through [1 0]

4 - No of Reductions
[2] Through [4]

5 - Revision Version
[3]

6, 7, 8 - Nominal Overall Ratio
e.g. [5 0 .] (See Page 20)

19 - Additional Motor Features
e.g. [-][A] (See Page 18)
For Types Without Motor Enter [-]

18 - No of Motor Poles
[-] No motor

		60 Hz		50 Hz
4 Pole (Std)	1800 rpm	B	1500 rpm	A
6 Pole (Std)	1200 rpm	D	1000 rpm	C
2 Pole	3600 rpm	F	3000 rpm	E
8 Pole	900 rpm	H	750 rpm	G

[S] Dual speed or special motor

15, 16, 17 - Geared Motor Powers
Motor HP required (For 50 Hz enter kW)
e.g. . [. 7 5]
For reducer and non standard motor types enter [- - -]

9 - Unit Version
- [T] - Standard Unit with Torque Bushing
- [W] - Standard Unit without Torque Bushing
- [F] - Standard Unit with Output Flange
- [S] - Taper Release Unit without Torque Bushing
- [Z] - Taper Release with Torque Bushing
- [C] - Screw Conveyor Unit

13, 14 - Mounting Position
e.g. [2 B]

10 - Type of Unit
- [M] - Motorized with IEC standard motor
- [D] - Motorized with Compact Motor
- [N] - Motorized with NEMA standard motor
- [G] - Unit to allow fitting of IEC motor (customer own motor)
- [A] - Unit to allow fitting of NEMA motor (customer own motor)
- [R] - Reducer unit
- [S] - Reducer unit with fan kit
- [W] - Reducer unit with backstop CCW rotation
- [X] - Reducer unit with backstop CW rotation
- [Y] - Reducer unit with fan and backstop CW rotation
- [Z] - Reducer unit with fan and backstop CCW rotation

12 - Motor Adaptor For Unit Types Column 10 Entries M, N, H, E, G or A
(See Page 10-12)
For All Other Types Enter [-]

11 - OUTPUT SHAFT
- [N] - Inch Single Extension
- [A] - Inch Hollow Shaft
- [C] - Metric Single Extension
- [H] - Metric Hollow Shaft
- [Y] - Shrink Disc
- [?] - Screw Conveyor (See Page 72)
- [?] - Taper Release Bushing (See Page 70)

* This Page May Be Photocopied Allowing The Customer To Enter Their Order

EXPLANATION & USE OF RATINGS & SERVICE FACTORS

Gear unit selection is made by comparing actual loads with catalogue ratings. Catalogue ratings are based on a standard set of loading conditions, whereas actual load conditions vary according to type of application. Service Factors are therefore used to calculate an equivalent load to compare with catalogue ratings.

i.e. Equivalent Load = Actual Load x Service Factor

Mechanical Ratings and Service Factors Fm and Fs

Mechanical ratings measure capacity in terms of life and/or strength, assuming 10 hr/day continuous running under uniform load conditions.

Catalogue ratings allow 100% overload at starting, braking or momentarily during operation up to 10 hours per day.

The unit selected must therefore have a catalogue rating at least equal to half maximum overload.

Mechanical Service Factor Fm (Table 1) is used to modify the actual load according to daily operating time, and type of loading.

Load characteristics for a wide range of applications are detailed in Table 3 opposite, which are used in deciding the appropriate Service Factor Fm from Table 1.

If overloads can be calculated, or accurately assessed, actual loads should be used instead of Fm.

For units subjected to frequent stop/starts overloads in excess of 10 times/day multiply factor Fm x Factor Fs (table 2).

For applications where units are to operate in extremely dusty or moist/humid atmospheres unit selection should be referred to application engineering.

Table 1. Mechanical Service Factor (Fm)

Prime Mover	Duration of Service Hours per day	Load Classification-Driven Machine		
		Uniform mass acceleration factor ≤ 0.2	**Moderate** mass acceleration factor ≤ 3	**Heavy** mass acceleration factor ≤ 10
Electric Motor, Steam Turbine or Hydraulic Motor	< 3	0.80	1.00	1.50
	3 - 10	1.00	1.25	1.75
	> 10	1.25	1.50	2.00
Multi-cylinder Internal Combustion Engine	< 3	1.00	1.25	1.75
	3 - 10	1.25	1.50	2.00
	> 10	1.50	1.75	2.25
Single-cylinder Internal Combustion Engine	< 3	1.25	1.50	2.00
	3 - 10	1.50	1.75	2.25
	> 10	1.75	2.00	2.50

Mass acceleration factor = $\frac{\text{all external moments of inertia *}}{\text{moment of inertia of driving motor}}$

* calculated with reference to the motor speed

Table 2. Number of Starts Factor (Fs)

Start / Stops per hour (1)	Up to 1	5	10	40	60	≥ 200
Factor Fs	1.00	1.03	1.06	1.10	1.15	1.20

Note: (1) Intermediate values are obtained by linear interpolation

LOAD CLASSIFICATION BY APPLICATIONS

Load Classifications - **U =**Uniform Load **M =**Moderate Shock Load **H =**Heavy Shock Load **† =**Consult our Engineers

Agitators	
Pure liquids	U
Liquids and solids	M
Liquids variable density	M
Blowers	
Centrifugal	U
Lobe	M
Vane	U
Brewing & distilling	
Bottling machinery	M
Brew Kettles	M
Cookers	M
Mash tubs	M
Scale hopper	M
Can filling machinery	M
Crane knife	M
Car dumper	M
Car puller	M
Clarifier	U
Classifier	M
Clay wokring machinery	
Brick press	H
Briquette machine	H
Clay working machinery	M
Plug mill	M
Compressors	
Centrifugal	U
Lobe	M
Reciprocating	
Multi cylinder	M
Single cylinder	H
Conveyors- Light duty uniform load	
Apron	U
Assembly	U
Belt	U
Bucket	U
Chain	U
Flight	U
Oven	U
Screw	U
Conveyors - Heavy duty uniform load	
Apron	M
Assembly	M
Belt	M
Bucket	M
Chain	M
Flight	M
Live roll	†
Oven	M
Reciprocating	M
Screw	M
Shaker	M
Cranes	†
Crusher	
Ore	H
Stone	H
Sugar	H
Dredger	M
Cable reals	M
Conveyors	M
Cutter head drive	H
Pumps	M
Screen drive	H
Stackers	M
Winches	M

Elevators	
Bucket - Uniform load	U
Bucket - Heavy load	M
Bucket - Continuous	U
Centrifugal discharge	U
Escalators	U
Freight	M
Gravity discharge	U
Passenger lifts	†
Fans	
Centrifugal	U
Cooling towers	
Induced draft	†
Forced draft	†
Fan - Large diameter induced draft	M
Fan - Light, small diameter	M
Feeders	
Apron	M
Belt	M
Disc	U
Reciprocating	H
Screw	M
Food industry	
Cereal cooker	U
Dough mixer	M
Meat grinder	M
Meat slicer	M
Generators - not welding	U
Hammer mills	H
Hoists	
Heavy duty	H
Medium duty	M
Skip hoist	M
Laundry	
Tumbler	M
Washer	M
Line shafts	
Heavy duty	M
Light duty	U
Lumber industry	
Barkers	M
Burner conveyor	H
Chain/ Drag saw	H
Chain transfer	H
Chain way transfer	H
De- barking drum	H
Edger feed	M
Gang feed	M
Green chain	M
Live roll	H
Log deck	H
Log haul	H
Log turning	H
Log converyor	H
Of bearing roll	M
Planer feed chaines	M
Planer hoist	M
Re-saw conveyor	M
Roll cases	H
Slab conveyor	H
Sorting table - triple hoist	M
Triple hoist - Drive /conveyor	M
Transfer converor	M
Transfer roll	M
Tray drive	M
Trimmer feed	M
Waster conveyor	M
Small waste conveyor (belt)	U
Small waste conveyor (chain)	U

Machine Tools	
Bending roll	M
Punch press	H
Notching press	H
Plate planer	H
Other machine tools	
Main drive	M
Aux drive	U
Metal mills	
Carriage/main drive	M
Draw bench	M
Dryer	M
Flattening machinery	M
Pinch drive	M
Reversing slitters	M
Scrubber rolls	M
Table conveyors	
Group drives	H
Individual drives	H
Table conveyors- reversing	H
Wire draw	M
Wire roll	M
Mills	
Cement kiln	H
Dryer, Cooler	H
Kiln (other)	H
Rod plain	H
Rod wedge bar	H
Rotary/ Ball	H
Tumbling barrel	H
Mixers	
Concrete	M
Constant density	U
Variable density	M
Oil industry	
Chiller's	M
Oil well pump	M
Filter press	M
Rotary kiln	M
Paper industry	
Agitator (mixer)	M
Barker (hydraulic)	M
Barker (mechanical)	H
Barking drum	H
Beater & Pulper	M
Bleacher	U
Calednders	M
Calenders- super	H
Converting machine	M
Conveyors	U
Couch	M
Cutters - plates	H
Cylinders	M
Dryers	M
Felt stretcher	M
Felt whipper	H
Jordans	M
Log haul	H
Machine real	M
Presses	M
Stock chest	M
Suction roll	M
Washers & thickeners	M
Winders	M
Printing presses	†
Pullers	
Barge haul	H

Pumps	
Centrifugal proportioning	U
Proportioning	M
Reciprocating	
Single acting 3+ cylinders	M
Double acting 2+ cylinders	M
Single acting 1 & 2 cylinders	†
Double acting 1 cylinder	†
Rotary- gear type	U
Rotary- lobe type/ vane	U
Sand muller	M
Sewage treatment	
Bar screen	U
Chemical feeder	U
Collector	U
Dewatering screw	M
Mixers	M
Scum breaker	M
Thickness	M
Vacuum filters	M
Screens	
Air washing	U
Rotary, stone or gravel	M
Traveling water intake	U
Slab pushers	M
Slewing	H
Steering gear	†
Stokers	U
Sugar industry	
Can knife	M
Crusher	M
Mills	M
Textile industry	
Batchers	M
Calenders	M
Cards	M
Dry cans	M
Dryers	M
Dyeing machinery	M
Knitting machinery	M
Looms	M
Mangles	M
Nappers	M
Pads	M
Range drive	M
Slashers	M
Soapers	M
Spinners	M
Tenter frame	M
Washers	M
Winders	M
Windlass	†

F

F

EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine = 1.4 HP
Output speed of gearbox or Input speed of machine = 65 rev/min
Application = Uniformly loaded belt conveyor
Duration of service (hours per day) = 24hrs
Mounting position = 1
Ambient temperature = 75°F
Running time (%) = 100%

1 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application, table 3.

Application = Uniformly loaded belt conveyor

Conveyors-uniformly loaded or fed	
apron	U
assembly	U
belt	U
bucket	U
chain	U

U = Uniform load

Refer to mechanical service factor (Fm), table 1, page 3

Duration of service (hours per day) = 24hrs

Prime mover	Duration of service-hrs per day	Load classification-drive	
		Uniform	Moderate Shock
Electric motor, steam turbine or hydraulic motor	< 3	0.80	1.00
	3 - 10	1.00	1.25
	> 10	1.25	1.50

Therefore mechanical service factor (Fm) = 1.25

2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUTSHAFT

$$\text{Absorbed output torque} = \frac{\text{Absorbed HP} \times 63025}{\text{Gearbox output speed}}$$

$$\frac{1.4 \times 63025}{65} = 1357 \text{ lb-in}$$

3 SELECT GEARED MOTOR

Refer to selection table one motor size larger than absorbed power.
Absorbed power = 1.4 HP, therefore refer to 1.5 HP selection table.

Always select from 4 POLE selection table in the first instance as this offers a more economical solution.

Required output speed of gearbox = 65 rev/min

1.5 HP

4 POLE

N2 rpm	i	M2 lb-in	Fm	lbf	Unit Designation	LB	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight of base mount unit	Motor Size
109.72	15.95	840	2.31	887	F0323 16. _ N _ _ _ _1.5B - -	71	145TC
86.91	20.14	1061	1.99	916	F0323 20. _ N _ _ _ _1.5B - -	71	145TC
76.66	22.83	1202	1.81	932	F0323 22. _ N _ _ _ _1.5B - -	71	145TC
67.09	26.09	1374	1.60	956	F0323 25. _ N _ _ _ _1.5B - -	71	145TC
60.31	29.02	1528	1.45	983	F0323 28. _ N _ _ _ _1.5B - -	71	145TC
54.70	31.99	1685	1.31	1006	F0323 32. _ N _ _ _ _1.5B - -	71	145TC
49.70	35.21	1854	1.19	1022	F0323 36. _ N _ _ _ _1.5B - -	71	145TC
42.42	41.25	2173	1.00	1060	F0323 40. _ N _ _ _ _1.5B - -	71	145TC

Go to point 4

SELECTION PROCEDURE FOR MOTORIZED UNITS

4 CHECK OUTPUT TORQUE

Output torque (M2) of selected unit must be equal or more than required output torque at gearbox outputshaft.

Required output torque at gearbox outputshaft = 1357 lb.in

1.5 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of base mount unit	Motor Size
109.72	15.95	840	2.31	887	F0323 16. _ N _ _ _ _1.5B - -	71	145TC
86.91	20.14	1061	1.99	916	F0323 20. _ N _ _ _ _1.5B - -	71	145TC
76.66	22.83	1202	1.81	932	F0323 22. _ N _ _ _ _1.5B - -	71	145TC
67.09	26.09	1374	1.60	956	F0323 25. _ N _ _ _ _1.5B - -	71	145TC
60.31	29.02	1528	1.45	983	F0323 28. _ N _ _ _ _1.5B - -	71	145TC
54.70	31.99	1685	1.31	1006	F0323 32. _ N _ _ _ _1.5B - -	71	145TC
49.70	35.21	1854	1.19	1022	F0323 36. _ N _ _ _ _1.5B - -	71	145TC
42.42	41.25	2173	1.00	1060	F0323 40. _ N _ _ _ _1.5B - -	71	145TC

Selected unit's output torque (M2) = 1374 lb,in therefore unit is acceptable

▽

5 CHECK SERVICE FACTOR

Service factor (Fm) of selected unit must be equal or more than required service factor.

Required service factor of gearbox = 1.25

1.5 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of base mount unit	Motor Size
109.72	15.95	840	2.31	887	F0323 16. _ N _ _ _ _1.5B - -	71	145TC
86.91	20.14	1061	1.99	916	F0323 20. _ N _ _ _ _1.5B - -	71	145TC
76.66	22.83	1202	1.81	932	F0323 22. _ N _ _ _ _1.5B - -	71	145TC
67.09	26.09	1374	1.60	956	F0323 25. _ N _ _ _ _1.5B - -	71	145TC
60.31	29.02	1528	1.45	983	F0323 28. _ N _ _ _ _1.5B - -	71	145TC
54.70	31.99	1685	1.31	1006	F0323 32. _ N _ _ _ _1.5B - -	71	145TC
49.70	35.21	1854	1.19	1022	F0323 36. _ N _ _ _ _1.5B - -	71	145TC
42.42	41.25	2173	1.00	1060	F0323 40. _ N _ _ _ _1.5B - -	71	145TC

Selected unit's service factor (Fm) = 1.60 therefore unit is acceptable.

▽

6 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the output shaft then refer to Overhung Loads Procedure and compare with allowable overhung load (lbf) of selected unit

Allowable overhung load (lbf) must be equal or more than calculated overhung load (P)

1.5 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of base mount unit	Motor Size
109.72	15.95	840	2.31	887	F0323 16. _ N _ _ _ _1.5B - -	71	145TC
86.91	20.14	1061	1.99	916	F0323 20. _ N _ _ _ _1.5B - -	71	145TC
76.66	22.83	1202	1.81	932	F0323 22. _ N _ _ _ _1.5B - -	71	145TC
67.09	26.09	1374	1.60	956	F0323 25. _ N _ _ _ _1.5B - -	71	145TC
60.31	29.02	1528	1.45	983	F0323 28. _ N _ _ _ _1.5B - -	71	145TC
54.70	31.99	1685	1.31	1006	F0323 32. _ N _ _ _ _1.5B - -	71	145TC
49.70	35.21	1854	1.19	1022	F0323 36. _ N _ _ _ _1.5B - -	71	145TC
42.42	41.25	2173	1.00	1060	F0323 40. _ N _ _ _ _1.5B - -	71	145TC

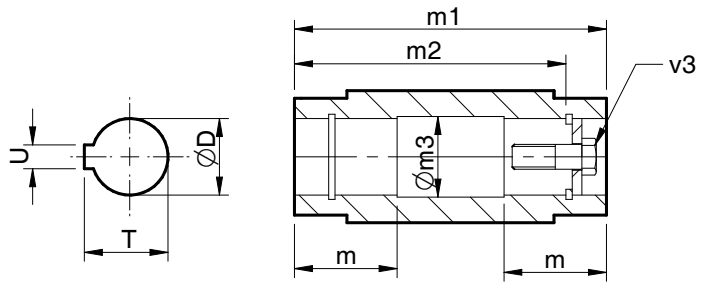
NOTE: If any of the following conditions occur then consult Application Engineering:-

a) Inertia of the Driven Machine (Referred to motor speed) / Inertia of Gear Unit plus Motor >10

b) Ambient temperature is above 100°F

OUTPUT BORE OPTIONS

Column 11 Entry

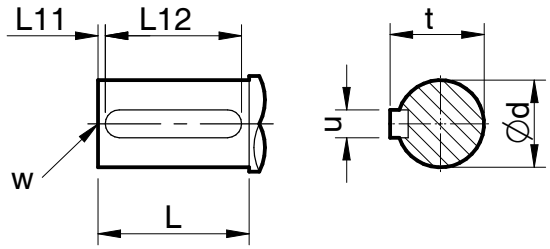


Inch Hollow Shaft [A]

Metric Hollow Shaft [H]

Size	Bore Type	Col 11 Entry	Dimensions (Metric in mm)							
			Ø D	m	m1	m2	øm3	T	U	v3
F02	Metric	H	25.021 / 25.000	45.5	117.5	89	25.5	28.3	8	M10x50
	Inch	A	1.001” / 1.000”	1.80”	4.63”	3.5”	1.02”	1.11”	0.250”	3/8” UNF x 2”
F03	Metric	H	30.021 / 30.000	52	120	105	30.5	33.3	8	M10x50
	Inch	A	1.251 / 1.250	2.00”	4.72”	4.13”	1.27“	1.37”	0.250”	3/8” UNF x 2”
F04	Metric	H	35.025 / 35.000	65	150	132	35.5	38.3	10	M12x55
	Inch	A	1.376” / 1.375”	2.56”	5.91”	5.20”	1.39”	1.52”	0.3125”	1/2” UNF x 2.25”
F05	Metric	H	40.025 / 40.000	65	166	142	40.5	43.3	12	M16x70
	Inch	A	1.501” / 1.500”	2.56”	6.54”	5.59”	1.52”	1.67”	0.375”	5/8” UNF x 2.75”
F06	Metric	H	40.025 / 40.000	90	200	156	40.5	43.3	12	M16x70
	Inch	A	1.501” / 1.500”	3.54”	7.87”	6.14”	1.52”	1.67”	0.375”	5/8” UNF x 2.75”
F07	Metric	H	50.025 / 50.000	105	235	183	50.5	53.8	14	M16x70
	Inch	A	2.001” / 2.000”	4.13”	9.25”	7.20”	2.02”	2.22”	0.500”	5/8” UNF X 2.75”
F08	Metric	H	60.030 / 60.000	117	265	210	60.5	64.4	18	M20x80
	Inch	A	2.3762” / 2.3750”	4.60”	10.43”	8.27”	2.40”	2.65”	0.625”	3/4” UNF X 3.25”
F09	Metric	H	70.030 / 70.000	147	330	270	70.5	74.9	20	M20x80
	Inch	A	2.7512” / 2.7500”	5.80”	12.99”	10.63”	2.77”	3.03”	0.625”	3/4” UNF X 3.25”
F10	Metric	H	90.035 / 90.000	165	370	313	90.5	95.4	25	M24x80
	Inch	A	3.6264” / 3.6250”	6.50”	14.57”	12.32”	3.64”	4.01”	0.875”	3/4” UNF X 3.25”

OUTPUT SHAFT OPTIONS



Column 11 Entry

Metric Single Extension N

Inch Single Extension C

Size	Output Shaft Type	Col 11 Entry	Dimensions (Metric in mm)						
			ø d	L	L11	L12	t	u	W
F02	Metric	C	-	-	-	-	-	-	-
	Inch	N	-	-	-	-	-	-	-
F03	Metric	C	25.015 / 25.002	47	3	40	28	8	M10 x 1.5 x 22
	Inch	N	1.0000" / 0.9995"	1.85"	*	1.69"	1.11"	0.250"	3.8" UNF x 0.75"
F04	Metric	C	30.015 / 30.002	56	3	50	33	8	M12 x 1.75 x 28
	Inch	N	1.2500"/ 1.2495"	2.20"	*	2.13"	1.36"	0.250"	1/2" UNF x 1.13"
F05	Metric	C	35.018 / 35.002	66	3	60	38	10	M16 x 2.0 x 36
	Inch	N	1.3750" / 1.3745"	2.60"	*	2.50"	1.51"	0.3125"	5/8” UNF x 1.5"
F06	Metric	C	40.018 / 40.002	76	3	70	43	12	M16 x 2.0 x 36
	Inch	N	1.625" / 1.624"	3.00"	*	2.50"	1.78"	0.375"	5/8” UNF x 1.5"
F07	Metric	C	50.018 / 50.002	95	3	80	53.5	14	M16 x 2.0 x 36
	Inch	N	2.000" / 1.999"	3.74"	*	3.00"	2.23"	0.500"	5/8" UNF x 1.5"
F08	Metric	C	60.030 / 60.011	114	3	100	64	18	M20 x 2.5 x 42
	Inch	N	2.3750" / 2.3740 "	4.488"	*	4.00"	2.65"	0.625"	3/4" UNF x 1.65"
F09	Metric	C	70.030 / 70.011	135	3	110	74.5	20	M20 x 2.5 x 42
	Inch	N	2.875" / 2.874"	5.315"	*	5.00"	3.20"	0.750"	3/4" UNF x 1.65"
F10	Metric	C	90.035 / 90.013	172	5	140	95	25	M24 x 3.0 x 50
	Inch	N	3.625" / 3.624"	6.772"	*	6.38"	4.01"	0.875"	3/4" UNF x 1.65"

* Inch shafts have an open ended keyway, therefore no 'L11' dimension is required

F

Double Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	F0223		F0323		F0423		F0523		F0623		F0723		F0823		F0923		F1023	
	5.0 - 14.	*16. - 90.*	*6.3 - 16.*	*20. - 100*	*6.3 - 25.*	*28. - 100*	*6.3 - 20.*	*22. - 100*	*6.3 - 20.*	*22. -100*	*6.3 - 16.*	*20. - 100*	*6.3 - 25.*	*28. - 100*	*6.3 - 25.*	*28. - 100*	*6.3 - 25.*	*28. - 100*
56C	T	U	T	U	T	U	-	Q	-	Q	-	Q	-	M	-	-	-	-
143/145TC	V	W	V	W	V	W	-	R	-	R	-	R	-	N	-	-	-	-
182/184TC	X	-	X	-	X	-	S	T	S	T	S	T	J	P	-	S	-	P
213/215TC	-	-	-	-	-	-	U	-	U	-	U	V	K	Q	-	T	-	Q
254/256TC	-	-	-	-	-	-	-	-	-	-	W	-	L	U	P	U	L	R
284/286TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Q	V	M	S
324/326TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	W	N	T
364/365TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
404/405TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
444/445TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

IEC Motor B14- Column 12 entry

Motor	F0223		F0323		F0423		F0523		F0623		F0723	
	5.0 - 14.	*16. - 90.*	*6.3 - 16.*	*20. - 100*	*6.3 - 25.*	*28. - 100*	*6.3 - 20.*	*22. - 100*	*6.3 - 20.*	*22. -100*	*6.3 - 16.*	*20. - 100*
71	H	H	H	H	-	H	-	-	-	-	-	-
80	B	K	B	K	B	K	-	G	-	G	-	G
90	D	R	D	R	D	R	Z	J	Z	J	-	J
100	E	S	E	S	E	S	B	L	B	L	B	L
112	E	S	E	S	E	S	B	L	B	L	B	L
132	-	-	-	-	-	-	-	-	-	-	D	N

IEC Motor B5- Column 12 entry

Motor	F0223		F0323		F0423		F0523		F0623		F0723		F0823		F0923		F1023	
	5.0 - 14.	*16. - 90.*	*6.3 - 16.*	*20. - 100*	*6.3 - 25.*	*28. - 100*	*6.3 - 20.*	*22. - 100*	*6.3 - 20.*	*22. -100*	*6.3 - 16.*	*20. - 100*	*6.3 - 25.*	*28. - 100*	*6.3 - 25.*	*28. - 100*	*6.3 - 25.*	*28. - 100*
63	F	F	F	F	-	F	-	V	-	V	-	-	-	-	-	-	-	-
71	G	G	G	G	-	G	-	D	-	D	-	-	-	-	-	-	-	-
80	A	J	A	J	A	J	W	F	W	F	-	F	-	D	-	E	-	-
90	C	Q	C	Q	C	Q	Y	H	Y	H	-	H	-	E	-	F	-	-
100	-	-	-	-	-	-	A	K	A	K	A	K	A	F	-	G	-	E
112	-	-	-	-	-	-	A	K	A	K	A	K	A	F	-	G	-	E
132	-	-	-	-	-	-	N	P	N	P	C	M	B	G	-	H	-	F
160	-	-	-	-	-	-	-	-	-	-	E	P	C	H	A	J	A	G
180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	K	B	H
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	L	C	J
225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	M	D	K

Compact Motor 4 Pole - Column 12 Entry - D

Power	F0223		F0323		F0423		F0523		F0623		F0723		F0823	
	5.0 - 14.	*16. - 90.*	*6.3 - 16.*	*20. - 100*	*6.3 - 25.*	*28. - 100*	*6.3 - 20.*	*22. - 100*	*6.3 - 20.*	*22. -100*	*6.3 - 16.*	*20. - 100*	*6.3 - 25.*	*28. - 100*
0.33 HP	•	•	•	•	-	•	-	-	-	-	-	-	-	-
0.50 HP	•	•	•	•	-	•	-	-	-	-	-	-	-	-
0.75 HP	•	•	•	•	•	•	-	•	-	•	-	-	-	-
1.0 HP	•	•	•	•	•	•	-	•	-	•	-	-	-	-
1.5 HP	•	-	•	-	•	-	•	•	•	•	-	•	-	-
2.0 HP	•	-	•	-	•	-	•	•	•	•	-	•	-	-
3.0 HP	-	-	-	-	-	-	•	•	•	•	-	•	-	•
4.0 HP	-	-	-	-	-	-	•	•	•	•	-	•	-	•
5.5 HP	-	-	-	-	-	-	•	-	•	-	-	•	-	•
7.5 HP	-	-	-	-	-	-	•	-	•	-	-	•	-	•
10 HP	-	-	-	-	-	-	-	-	-	-	-	•	-	•

F

Triple Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	F0233 80. - 320	F0333 71. - 360	F0433 71. - 360	F0533 100 - 360	F0633 100 - 360	F0733 80 - 360	F0833 100 - 360	F0933 100 - 360	F1033 100 - 360
56C	U	U	U	U	U	Q	Q	M	-
143/145TC	W	W	W	W	W	R	R	N	-
182/184TC	-	-	-	-	-	T	T	P	S
213/215TC	-	-	-	-	-	-	V	Q	T
254/256TC	-	-	-	-	-	-	-	U	U
284/286TC	-	-	-	-	-	-	-	-	V
324/326TC	-	-	-	-	-	-	-	-	W

IEC Motor B14- Column 12 entry

Motor	F0233 80. - 320	F0333 71. - 360	F0433 71. - 360	F0533 100 - 360	F0633 100 - 360	F0733 80 - 360	F0833 100 - 360
71	H	H	H	H	H	-	-
80	K	K	K	K	K	G	G
90	R	R	R	R	R	J	J
100	S	S	S	S	S	L	L
112	S	S	S	S	S	L	L
132	-	-	-	-	-	-	N

IEC Motor B5- Column 12 entry

Motor	F0233 80. - 320	F0333 71. - 360	F0433 71. - 360	F0533 100 - 360	F0633 100 - 360	F0733 80 - 360	F0833 100 - 360	F0933 100 - 360	F1033 100 - 360
63	F	F	F	F	F	V	-	-	-
71	G	G	G	G	G	D	-	-	-
80	J	J	J	J	J	F	F	D	E
90	Q	Q	Q	Q	Q	H	H	E	F
100	-	-	-	-	-	K	K	F	G
112	-	-	-	-	-	K	K	F	G
132	-	-	-	-	-	-	M	G	H
160	-	-	-	-	-	-	P	H	J
180	-	-	-	-	-	-	-	-	K
200	-	-	-	-	-	-	-	-	L
225	-	-	-	-	-	-	-	-	M

Compact Motor 4 Pole - Column 12 Entry - D

	F0233 80. - 320	F0333 71. - 360	F0433 71. - 360	F0533 100 - 360	F0633 100 - 360	F0733 80 - 360	F0833 100 - 360	F0933 100 - 360
0.33 HP	•	•	•	•	•	-	-	-
0.50 HP	•	•	•	•	•	-	-	-
0.75 HP	•	•	•	•	•	•	-	-
1.0 HP	•	•	•	•	•	•	-	-
1.5 HP	-	-	-	-	-	•	•	-
2.0 HP	-	-	-	-	-	•	•	-
3.0 HP	-	-	-	-	-	•	•	•
4.0 HP	-	-	-	-	-	•	•	•
5.5 HP	-	-	-	-	-	-	•	•
7.5 HP	-	-	-	-	-	-	•	•
10 HP	-	-	-	-	-	-	•	•

F

Quadruple Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	F0343	F0443	F0543	F0643	F0743	F0843	F0943	F1043
	80. - 320	*71. - 360*	*71. - 360*	*100 - 360*	*100 - 360*	*80 - 360*	*100 - 360*	*100 - 360*
56C	U	U	U	U	U	Q	Q	Q
143/145TC	W	W	W	W	W	R	R	R
182/184TC	-	-	-	-	-	T	T	T
213/215TC	-	-	-	-	-	-	-	V

IEC Motor B14- Column 12 entry

Motor	F0343	F0443	F0543	F0643	F0743	F0843	F0943	F1043
	+ 400	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*
71	H	H	H	H	H	-	-	-
80	K	K	K	K	K	G	G	G
90	R	R	R	R	R	J	J	J
100	S	S	S	S	S	L	L	L
112	S	S	S	S	S	L	L	L
132	-	-	-	-	-	-	-	N

IEC Motor B5- Column 12 entry

Motor	F0343	F0443	F0543	F0643	F0743	F0843	F0943	F1043
	+ 400	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*
63	F	F	F	F	F	V	V	-
71	G	G	G	G	G	D	D	-
80	J	J	J	J	J	F	F	F
90	Q	Q	Q	Q	Q	H	H	H
100	-	-	-	-	-	K	K	K
112	-	-	-	-	-	K	K	K
132	-	-	-	-	-	P	P	M
160	-	-	-	-	-	-	-	P

Compact Motor 4 Pole - Column 12 Entry - D

Power	F0343	F0443	F0543	F0643	F0743	F0843	F0943	F1043
	+ 400	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*	*+ 400*
0.33 HP	•	•	•	•	•	-	-	-
0.50 HP	•	•	•	•	•	-	-	-
0.75 HP	•	•	•	•	•	•	•	-
1.0 HP	•	•	•	•	•	•	•	-
1.5 HP	-	-	-	-	-	•	•	•
2.0 HP	-	-	-	-	-	•	•	•
3.0 HP	-	-	-	-	-	•	•	•
4.0 HP	-	-	-	-	-	•	•	•
5.5 HP	-	-	-	-	-	-	-	•
7.5 HP	-	-	-	-	-	-	-	•
10 HP	-	-	-	-	-	-	-	•

LUBRICATION

All F-Series Units, are supplied factory filled with EP mineral oil (Grade 6E) appropriate to the intended mounting position. If the unit is supplied without lubricant the unit must be filled with the correct lubricant and quantity as listed below.

Lubricant quantities are approximate fill until oil escapes from the level plug hole, fit ventilator plug (when supplied) in the appropriate position for the required mounting position (see installation and maintenance instructions).

Temperature Limitations

The standard lubricant is suitable for operation in ambient temperatures of 32° to 95°F, Outside of this range consult Table 1 ,or consult Application Engineering.

Table 1 Oil Grades

Lubricant	Ambient temperature range		
	23°F - 68°F (E) -22°F - 68°F (H)	32°F - 95°F	68°F - 122°F
EP Mineral Oil (type E)	5E (VG 220)	6E (VG 320)	7E (VG 460)
Polyalphaolefin based Synthetic (type H)	5H (VG 220)	5H (VG 220)	6H (VG 320)

Lubricant Quantities (gallons)

1 gallon (US) = 3.79 Liters

Double Reduction										
Size		F0223	F0323	F0423	F0523	F0623	F0723	F0823	F0923	F1023
Mounting Position	1	0.21	0.32	0.45	0.61	1.24	2.24	3.30	5.54	9.50
	2	0.11	0.16	0.29	0.47	0.66	1.19	2.37	3.96	5.94
	3	0.11	0.16	0.37	0.47	1.03	1.98	2.90	4.62	7.65
	4	0.13	0.20	0.32	0.53	0.69	1.98	2.77	4.49	7.65
	5	0.29	0.32	0.74	0.74	1.03	1.98	3.69	6.86	11.87
	6	0.34	0.40	0.55	0.84	1.32	2.24	3.96	6.86	11.87

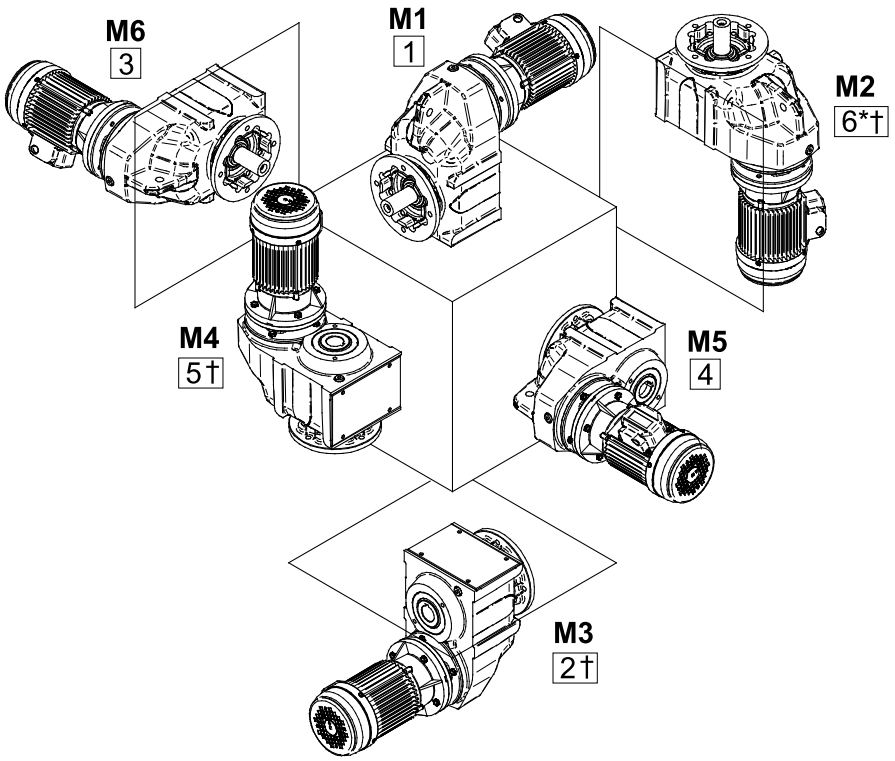
Triple Reduction										
Size		F0233	F0333	F0433	F0533	F0633	F0733	F0833	F0933	F1033
Mounting Position	1	0.21	0.32	0.45	0.61	1.24	2.24	3.30	5.54	9.50
	2	0.11	0.16	0.29	0.47	0.66	1.19	2.37	3.96	5.94
	3	0.11	0.16	0.37	0.47	1.03	1.98	2.90	4.62	7.65
	4	0.13	0.20	0.32	0.53	0.69	1.98	2.77	4.49	7.65
	5	0.29	0.32	0.74	0.74	1.03	1.98	3.69	6.86	11.87
	6	0.34	0.40	0.55	0.84	1.32	2.24	3.96	6.86	11.87

Quadruple Reduction										
Size		F0343		F0443		F0543		F0643		
		Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary	
		M0122	F0323	M0122	F0423	M0322	F0523	M0322	F0623	
Mounting position	1	0.13	0.32	0.13	0.45	0.21	0.61	0.21	1.24	
	2	0.13	0.16	0.13	0.29	0.21	0.47	0.21	0.66	
	3	0.13	0.16	0.13	0.37	0.21	0.47	0.21	1.03	
	4	0.13	0.20	0.13	0.32	0.21	0.53	0.21	0.69	
	5	0.18	0.32	0.18	0.74	0.29	0.74	0.29	1.03	
	6	0.26	0.40	0.26	0.55	0.37	0.84	0.37	1.32	
Size		F0743		F0843		F0943		F1043		
		Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary	
		M0322	F0723	M0522	F0823	M0522	F0923	M0722	F1023	
Mounting Position	1	0.21	2.24	0.40	3.30	0.40	5.54	0.69	9.50	
	2	0.21	1.19	0.40	2.37	0.40	3.96	0.69	5.94	
	3	0.21	1.98	0.40	2.90	0.40	4.62	0.69	7.65	
	4	0.21	1.98	0.40	2.77	0.40	4.49	0.69	7.65	
	5	0.29	1.98	0.53	3.69	0.53	6.86	0.84	11.87	
	6	0.37	2.24	0.69	3.96	0.69	6.86	1.24	11.87	

MOUNTING POSITIONS

Mounting Positions

COLUMN 13 ENTRY

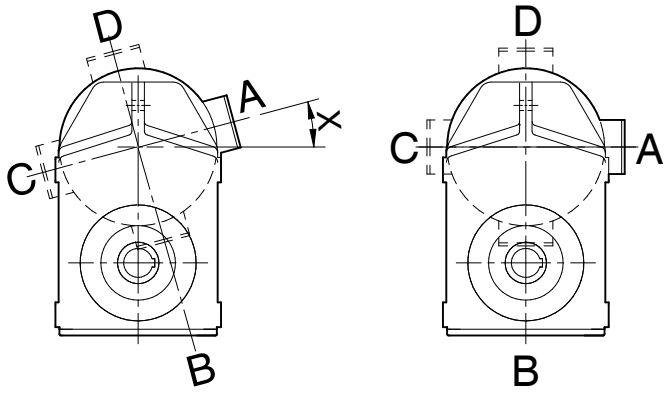


* Mounting Position 6 is not recommended for Geared Motors - Consult Application Engineering
† Gear Units selected for use in mounting positions 2, 5 and 6 should only be used with overall ratios greater or equal to those shown in the table below

Size	Input Speed (rpm)			
	< 1000	< 1500	< 1800	> 1800
F08	All	All	All	Consult Application Engineering
F09	All	11.0	14.0	
F10	11.0	20	25.0	

Mounting Positions - shown as motorised - applies also for reducers

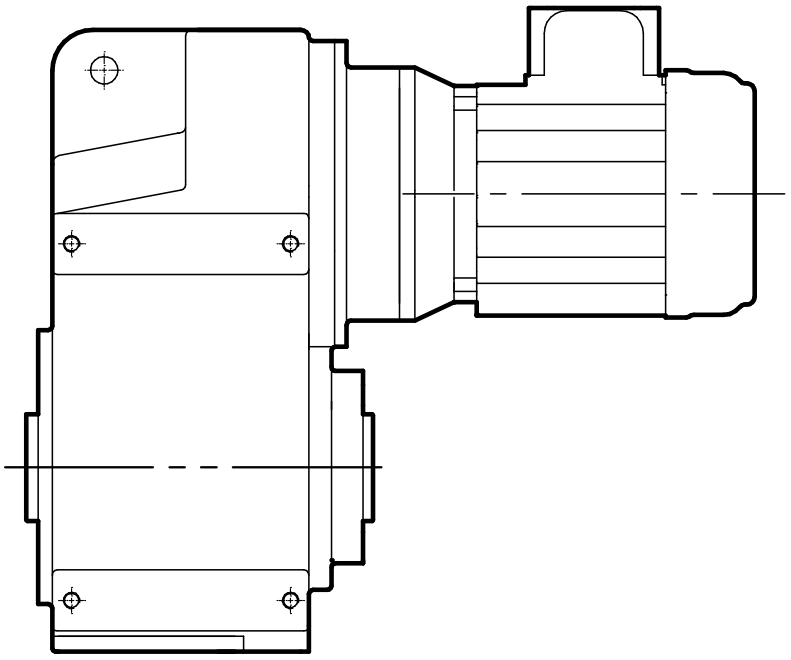
Column 14 entry



Column 14 entry	Terminal Box Position (X)	
	F02	F03 - F10
A	15°	0°
B	105°	90°
C	195°	180°
D	285°	270°
-	Reducer or no motor fitted	

NOTES

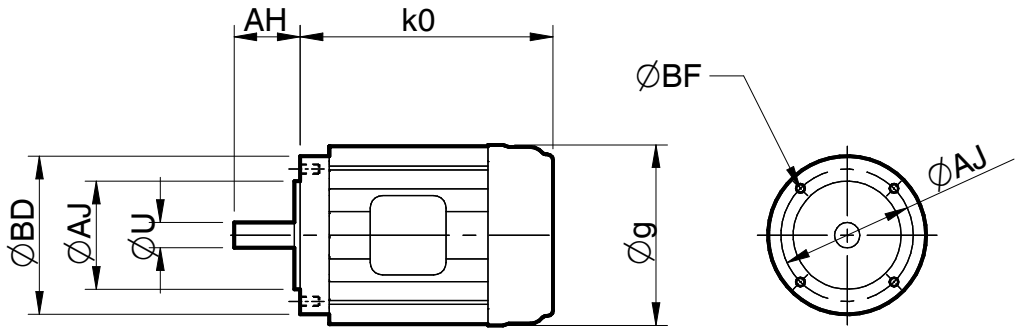
F



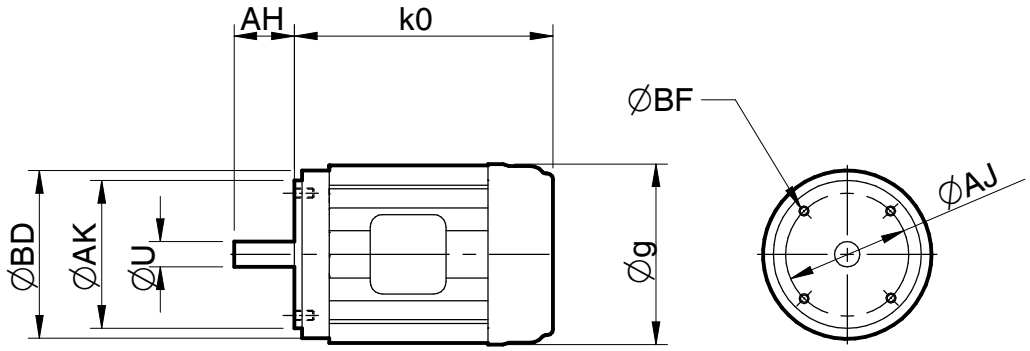
MOTORIZED
SERIES F

NEMA MOTOR DETAILS

NEMA Standard Motors



MOTOR FRAME SIZE	Ø BD	Ø AJ	Ø AK	Ø U	AH	ko max	Ø g	BF TAP UNC
56C	6.50	5.875	4.5	0.625	2.062	12.00	6.13	3/8 - 16
143TC/145TC	6.50	5.875	4.5	0.875	2.125	12.00	7.19	3/8 - 16



MOTOR FRAME SIZE	Ø BD	Ø AJ	Ø AK	Ø U	AH	ko * max	Øg	BF TAP UNC
182TC/184TC	9.00	7.25	8.5	1.125	2.625	15.50	8.50	1/2 - 13
213TC/215TC	9.00	7.25	8.5	1.375	3.125	16.50	10.19	1/2 - 13
254TC/256TC	10.00	7.25	8.5	1.625	3.75	20.00	12.50	1/2 - 13
284TC/286TC	11.25	9.00	10.5	1.875	4.375	23.25	15.56	1/2 - 13
324TC/326TC	13.875	11.00	12.5	2.125	5.00	25.25	16.94	5/8 - 11
364TC/365TC	13.875	11.00	12.5	2.375	5.625	27.00	19.00	5/8 - 11
404TC/405TC	13.875	11.00	12.5	2.875	7.00	30.00	20.63	5/8 - 11
444TC/445TC	16.75	14.00	16.0	3.375	8.25	38.00	22.38	5/8 - 11

* Motor lengths for own brand standard motors. These lengths may vary if alternative motor is fitted.

F

Additional Motor Features - column 19 entry

Column 19 Entry	Brake Motor	Hand Release on Brake	Forced Ventilation/ Constant Blower (TECB)	Thermistor	Special
-					
A	•				
B	•	•			
C			•		
D	•		•		
E	•	•	•		
F				•	
G	•			•	
H	•	•		•	
K			•	•	
L	•		•	•	
M	•	•	•	•	
S					•

Please refer to Application Engineering for details of the following additional motor features

- PGF encoder flange
- Wash down
- Customised brake torque
- Separate brake supply
- Aluminium fan
- Anti Condensation heater
- Bi-metal temperature detectors, Thermostat
- EExEIIT3
- Ex nA II T3
- IP56
- IP65
- Metal fan cover
- Rain cowl
- Separate terminal box

ADDITIONAL GEARBOX FEATURES

Additional Gearbox Features - column 20 entry

Column 20 Entry	Double Oil Seals on Output Shaft	Oil Level Glass F06- F10	* Motorised Backstop		Special
			CW Rotation	CCW Rotation	
-					
A	•				
B		•			
C	•	•			
D			•		
E	•		•		
F		•	•		
G	•	•	•		
H				•	
I	•			•	
J		•		•	
K	•	•		•	
L					•

Please refer to Application Engineering for details of the special additional gearbox features for example :-

- Prime paint only
- Wash down
- BISSC compatible
- Special oil (food compatible, bio-degradable, different viscosities etc)

* IEC Frame Sizes 100-200, and NEMA frame sizes 182TC - 326TC

EXACT RATIOS

Exact Ratios - Double Reduction

Column Entry 6 7 8	F0223	F0323	F0423	F0523	F0623	F0723	F0823	F0923	F1023
5.0	5.90	-	-	-	-	-	-	-	-
6.3	7.97	6.65	6.32	6.31	6.27	6.42	6.24	6.57	6.43
9.0	9.07	8.98	8.86	8.87	8.82	8.89	8.85	9.04	8.99
10	10.27	10.21	9.77	9.95	9.89	9.99	9.83	10.13	9.77
12	13.14	11.57	11.09	11.16	11.10	10.98	10.93	11.37	11.10
14	14.16	14.80	14.09	14.18	14.09	14.35	14.14	14.66	14.46
16	17.88	15.95	16.01	16.07	15.98	16.31	15.87	16.37	15.61
20	20.27	20.14	19.64	19.17	19.05	19.81	19.46	20.45	20.05
22	23.16	22.83	21.79	22.07	21.94	21.79	21.93	22.70	22.76
25	25.77	26.09	24.75	25.67	25.52	25.04	25.53	25.88	25.77
28	28.41	29.02	28.12	28.72	28.55	28.39	28.32	29.11	29.07
32	31.26	31.99	30.97	30.61	30.43	31.32	30.99	32.96	32.30
36	36.63	35.21	35.62	36.28	36.06	35.86	35.06	36.69	35.32
40	43.94	41.25	38.72	38.74	38.50	40.55	39.58	40.76	39.25
50	51.22	49.49	46.49	48.07	47.78	47.01	47.98	49.85	46.38
56	56.91	57.69	55.79	56.68	56.34	56.07	55.95	57.58	55.97
63	68.54	64.10	62.86	62.06	61.69	61.40	61.46	63.56	64.49
71	78.56	77.19	73.07	76.06	75.60	73.68	75.32	77.26	74.83
90	89.28	88.47	82.94	84.78	84.26	84.78	82.25	87.44	87.21
100	-	100.5	94.29	95.08	94.50	94.20	94.71	98.32	93.70

Exact Ratios - Triple Reduction

Coumn Entry 6 7 8	F0233	F0333	F0433	F0533	F0633	F0733	F0833	F0933	F1033
63	63.9	-	-	-	-	-	-	-	-
71	72.4	71.9	69.7	-	-	-	-	-	-
80	82.7	81.5	79.0	-	-	78.99	-	-	-
90	92.0	93.2	90.3	-	-	91.87	-	-	-
100	101.5	103.6	100.4	102.8	102.2	102.8	102.4	105.3	104.9
112	111.6	114.3	110.7	113.2	112.5	109.6	112.1	115.2	118.7
125	130.8	125.7	121.9	130.2	129.4	129.8	126.8	130.3	132.1
160	156.9	147.3	142.8	141.6	140.7	138.6	143.1	147.1	146.8
180	182.9	176.7	171.3	169.9	168.9	172.0	173.5	178.3	179.6
200	203.3	206.0	199.7	203.9	202.7	202.9	202.3	208.0	207.4
225	244.8	228.9	221.8	229.8	228.4	222.1	222.2	228.4	228.9
280	280.6	275.7	267.1	267.1	265.5	272.2	272.3	279.9	278.3
320	318.8	316.0	306.2	303.2	301.3	303.4	297.4	305.7	314.9
360	-	359.1	348.0	344.7	342.6	340.3	342.4	352.0	354.1

Exact Ratios - Quadruple Reduction

Column Entry 6 7 8	F0343	F0443	F0543	F0643	F0743	F0843	F0943	F1043
400	399.9	398.8	409.9	407.4	399.8	388.5	413.2	411.3
450	453.4	455.7	451.4	448.6	453.3	439.5	459.9	457.9
500	518.1	506.9	505.0	502.0	499.2	496.2	511.0	508.7
560	576.3	558.8	564.5	561.0	550.5	577.1	573.0	565.6
630	635.4	615.0	631.5	627.7	624.3	601.5	637.9	622.2
710	699.3	707.4	699.2	729.3	713.0	701.4	708.7	715.0
800	819.3	828.8	808.1	803.2	793.1	815.8	807.1	810.7
900	893.1	901.1	909.8	904.3	899.3	912.7	896.7	894.2
10C	982.9	994.4	1025	1019	992.0	1003	1002	1024
11C	1146	1159	1149	1086	1118	1098	1113	1140
12C	1273	1260	1270	1262	1280	1231	1267	1256
14C	1382	1400	1442	1433	1447	1352	1398	1386
16C	1610	1686	1607	1629	1678	1657	1605	1601
18C	1796	1778	1824	1813	1776	1801	1761	1794
20C	2086	1933	1994	1982	2001	1979	2030	2025
22C	2155	2196	2264	2250	2214	2167	2241	2236
25C	2512	2429	2573	2558	2517	2425	2487	2481
28C	2807	2784	2923	3016	2892	2655	2772	2796
32C	3272	3164	3323	3303	3002	3254	3109	3261
36C	3636	3565	3582	3560	3470	3627	3720	3752
40C	-	4145	3992	4048	3945	4067	4172	4168
45C	-	4704	4539	-	4539	4442	4722	4718
50C	-	5348	-	-	5043	5114	5310	5305

0.25 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
75.56	23.16	203	4.61	744	F0223 22. _ N _ _ _ _.25B - -	51	56C
67.92	25.77	226	4.27	757	F0223 25. _ N _ _ _ _.25B - -	51	56C
61.61	28.41	249	4.01	766	F0223 28. _ N _ _ _ _.25B - -	51	56C
55.98	31.26	274	3.75	781	F0223 32. _ N _ _ _ _.25B - -	51	56C
47.78	36.63	322	3.36	791	F0223 36. _ N _ _ _ _.25B - -	51	56C
39.83	43.94	386	2.96	824	F0223 40. _ N _ _ _ _.25B - -	51	56C
34.17	51.22	450	2.54	846	F0223 50. _ N _ _ _ _.25B - -	51	56C
30.75	56.91	500	2.28	865	F0223 56. _ N _ _ _ _.25B - -	51	56C
25.53	68.54	602	1.89	880	F0223 63. _ N _ _ _ _.25B - -	51	56C
22.28	78.56	690	1.45	880	F0223 71. _ N _ _ _ _.25B - -	51	56C
19.60	89.28	784	1.25	880	F0223 90. _ N _ _ _ _.25B - -	51	56C
21.16	82.72	719	1.59	880	F0233 80. _ N _ _ _ _.25B - -	56	56C
19.02	92.02	800	1.43	880	F0233 90. _ N _ _ _ _.25B - -	56	56C
17.25	101.45	881	1.29	880	F0233 100 _ N _ _ _ _.25B - -	56	56C
15.67	111.65	970	1.18	880	F0233 112 _ N _ _ _ _.25B - -	56	56C
13.38	130.81	1137	1.00	880	F0233 125 _ N _ _ _ _.25B - -	56	56C
11.15	156.93	1364	0.87	880	F0233 160 _ N _ _ _ _.25B - -	56	56C
30.34	57.69	506	3.28	1800	F0323 56. _ N _ _ _ _.25B - -	56	56C
27.30	64.10	563	2.77	1800	F0323 63. _ N _ _ _ _.25B - -	56	56C
22.67	77.19	678	1.95	1800	F0323 71. _ N _ _ _ _.25B - -	56	56C
19.78	88.47	777	1.45	1800	F0323 90. _ N _ _ _ _.25B - -	56	56C
17.40	100.55	874	1.27	1800	F0323 100 _ N _ _ _ _.25B - -	56	56C
24.33	71.91	625	3.54	1800	F0333 71. _ N _ _ _ _.25B - -	58	56C
21.47	81.53	708	3.12	1800	F0333 80. _ N _ _ _ _.25B - -	58	56C
18.78	93.16	809	2.73	1800	F0333 90. _ N _ _ _ _.25B - -	58	56C
16.89	103.64	900	2.45	1800	F0333 100 _ N _ _ _ _.25B - -	58	56C
15.32	114.26	993	2.23	1800	F0333 112 _ N _ _ _ _.25B - -	58	56C
13.92	125.74	1093	2.02	1800	F0333 125 _ N _ _ _ _.25B - -	58	56C
11.88	147.32	1280	1.73	1800	F0333 160 _ N _ _ _ _.25B - -	58	56C
9.90	176.75	1536	1.44	1800	F0333 180 _ N _ _ _ _.25B - -	58	56C
8.49	206.03	1790	1.23	1800	F0333 200 _ N _ _ _ _.25B - -	58	56C
7.64	228.92	1989	1.11	1800	F0333 225 _ N _ _ _ _.25B - -	58	56C
6.35	275.67	2395	0.92	1800	F0333 280 _ N _ _ _ _.25B - -	58	56C
5.54	315.97	2745	0.81	1800	F0333 320 _ N _ _ _ _.25B - -	58	56C
15.81	110.72	962	3.84	1440	F0433 112 _ N _ _ _ _.25B - -	74	56C
14.36	121.85	1059	3.52	1440	F0433 125 _ N _ _ _ _.25B - -	74	56C
12.26	142.76	1240	3.01	1440	F0433 160 _ N _ _ _ _.25B - -	74	56C
10.22	171.28	1488	2.51	1440	F0433 180 _ N _ _ _ _.25B - -	74	56C
8.77	199.65	1735	2.15	1440	F0433 200 _ N _ _ _ _.25B - -	74	56C
7.89	221.84	1927	1.94	1440	F0433 225 _ N _ _ _ _.25B - -	74	56C
6.55	267.14	2321	1.61	1440	F0433 280 _ N _ _ _ _.25B - -	74	56C
5.72	306.20	2660	1.40	1440	F0433 320 _ N _ _ _ _.25B - -	74	56C
5.03	347.99	3023	1.23	1440	F0433 360 _ N _ _ _ _.25B - -	74	56C
4.39	398.75	3465	1.08	1440	F0443 400 _ N _ _ _ _.25B - -	74	56C
3.84	455.67	3959	0.94	1440	F0443 450 _ N _ _ _ _.25B - -	74	56C
3.45	506.89	4404	0.85	1440	F0443 500 _ N _ _ _ _.25B - -	74	56C
8.58	203.92	1772	3.50	2030	F0533 200 _ N _ _ _ _.25B - -	93	56C
7.62	229.77	1996	3.11	2030	F0533 225 _ N _ _ _ _.25B - -	93	56C
6.55	267.11	2321	2.67	2030	F0533 280 _ N _ _ _ _.25B - -	93	56C
5.77	303.17	2634	2.35	2030	F0533 320 _ N _ _ _ _.25B - -	93	56C
5.08	344.65	2995	2.07	2030	F0533 360 _ N _ _ _ _.25B - -	93	56C
4.27	409.90	3506	1.77	2030	F0543 400 _ N _ _ _ _.25B - -	115	56C
3.88	451.39	3861	1.61	2030	F0543 450 _ N _ _ _ _.25B - -	115	56C
3.47	505.02	4320	1.44	2030	F0543 500 _ N _ _ _ _.25B - -	115	56C
3.10	564.47	4828	1.28	2030	F0543 560 _ N _ _ _ _.25B - -	115	56C
2.77	631.55	5402	1.15	2030	F0543 630 _ N _ _ _ _.25B - -	115	56C
2.50	699.15	5980	1.04	2030	F0543 710 _ N _ _ _ _.25B - -	115	56C
2.17	808.08	6912	0.90	2030	F0543 800 _ N _ _ _ _.25B - -	115	56C
4.27	409.90	3506	1.77	2030	F0543 400 _ M _ _ _ _.25B - -	115	56C
3.88	451.39	3861	1.61	2030	F0543 450 _ M _ _ _ _.25B - -	115	56C
3.47	505.02	4320	1.44	2030	F0543 500 _ M _ _ _ _.25B - -	115	56C
3.10	564.47	4828	1.28	2030	F0543 560 _ M _ _ _ _.25B - -	115	56C
2.77	631.55	5402	1.15	2030	F0543 630 _ M _ _ _ _.25B - -	115	56C
2.50	699.15	5980	1.04	2030	F0543 710 _ M _ _ _ _.25B - -	115	56C
2.17	808.08	6912	0.90	2030	F0543 800 _ M _ _ _ _.25B - -	115	56C

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

F

0.25 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
5.81	301.33	2618	3.04	3260	F0633320_ N _ _ _ _.25B - -	124	56C
5.11	342.56	2976	2.68	3260	F0633360_ N _ _ _ _.25B - -	124	56C
4.30	407.41	3485	2.29	3260	F0643400_ N _ _ _ _.25B - -	149	56C
3.90	448.65	3837	2.08	3260	F0643450_ N _ _ _ _.25B - -	149	56C
3.49	501.96	4293	1.86	3260	F0643500_ N _ _ _ _.25B - -	149	56C
3.12	561.05	4799	1.66	3260	F0643560_ N _ _ _ _.25B - -	149	56C
2.79	627.72	5369	1.48	3260	F0643630_ N _ _ _ _.25B - -	149	56C
2.40	729.32	6238	1.28	3260	F0643710_ N _ _ _ _.25B - -	149	56C
2.18	803.17	6870	1.16	3260	F0643800_ N _ _ _ _.25B - -	149	56C
1.94	904.28	7735	1.03	3260	F0643900_ N _ _ _ _.25B - -	149	56C
1.72	1018.90	8715	0.91	3260	F064310C_ N _ _ _ _.25B - -	149	56C
1.61	1085.98	9289	0.86	3260	F064311C_ N _ _ _ _.25B - -	149	56C
3.86	453.34	3878	3.87	3600	F0743450_ N _ _ _ _.25B - -	201	56C
3.51	499.22	4270	3.51	3600	F0743500_ N _ _ _ _.25B - -	201	56C
3.18	550.54	4709	3.19	3600	F0743560_ N _ _ _ _.25B - -	201	56C
2.80	624.29	5340	2.81	3600	F0743630_ N _ _ _ _.25B - -	201	56C
2.45	712.98	6098	2.46	3600	F0743710_ N _ _ _ _.25B - -	201	56C
2.21	793.09	6784	2.21	3600	F0743800_ N _ _ _ _.25B - -	201	56C
1.95	899.34	7692	1.95	3600	F0743900_ N _ _ _ _.25B - -	201	56C
1.76	991.96	8485	1.77	3600	F074310C_ N _ _ _ _.25B - -	201	56C
1.57	1117.71	9560	1.57	3600	F074311C_ N _ _ _ _.25B - -	201	56C
1.37	1280.01	10948	1.37	3600	F074312C_ N _ _ _ _.25B - -	201	56C
1.21	1447.23	12379	1.21	3600	F074314C_ N _ _ _ _.25B - -	201	56C
1.04	1677.90	14352	1.05	3600	F074316C_ N _ _ _ _.25B - -	201	56C
0.99	1776.16	15192	0.99	3600	F074318C_ N _ _ _ _.25B - -	201	56C
0.87	2001.30	17118	0.88	3600	F074320C_ N _ _ _ _.25B - -	201	56C
2.15	815.79	6978	3.87	4000	F0843800_ N _ _ _ _.25B - -	305	56C
1.92	912.72	7807	3.46	4000	F0843900_ N _ _ _ _.25B - -	305	56C
1.75	1002.6	8576	3.15	4000	F084310C_ N _ _ _ _.25B - -	305	56C
1.59	1098.2	9393	2.87	4000	F084311C_ N _ _ _ _.25B - -	305	56C
1.42	1231.0	10529	2.56	4000	F084312C_ N _ _ _ _.25B - -	305	56C
1.29	1352.2	11566	2.33	4000	F084314C_ N _ _ _ _.25B - -	305	56C
1.06	1657.1	14173	1.90	4000	F084316C_ N _ _ _ _.25B - -	305	56C
0.97	1801.2	15407	1.75	4000	F084318C_ N _ _ _ _.25B - -	305	56C
0.88	1978.6	16924	1.60	4000	F084320C_ N _ _ _ _.25B - -	305	56C
0.81	2166.5	18531	1.46	4000	F084322C_ N _ _ _ _.25B - -	305	56C
0.72	2424.7	20740	1.30	4000	F084325C_ N _ _ _ _.25B - -	305	56C
0.66	2655.0	22710	1.19	4000	F084328C_ N _ _ _ _.25B - -	305	56C
0.54	3253.8	27831	0.97	4000	F084332C_ N _ _ _ _.25B - -	305	56C
0.48	3626.7	31020	0.87	4000	F084336C_ N _ _ _ _.25B - -	305	56C
1.57	1112.8	9518	3.99	7950	F094311C_ N _ _ _ _.25B - -	466	56C
1.38	1266.7	10834	3.51	7950	F094312C_ N _ _ _ _.25B - -	466	56C
1.25	1398.4	11961	3.18	7950	F094314C_ N _ _ _ _.25B - -	466	56C
1.09	1604.9	13727	2.77	7950	F094316C_ N _ _ _ _.25B - -	466	56C
0.99	1760.9	15061	2.52	7950	F094318C_ N _ _ _ _.25B - -	466	56C
0.86	2029.6	17360	2.19	7950	F094320C_ N _ _ _ _.25B - -	466	56C
0.78	2240.6	19165	1.98	7950	F094322C_ N _ _ _ _.25B - -	466	56C
0.70	2487.3	21275	1.79	7950	F094325C_ N _ _ _ _.25B - -	466	56C
0.63	2772.3	23713	1.60	7950	F094328C_ N _ _ _ _.25B - -	466	56C
0.56	3109.1	26593	1.43	7950	F094332C_ N _ _ _ _.25B - -	466	56C
0.47	3719.8	31817	1.19	7950	F094336C_ N _ _ _ _.25B - -	466	56C
0.42	4171.8	35683	1.06	7950	F094340C_ N _ _ _ _.25B - -	466	56C
0.37	4721.8	40387	0.94	7950	F094345C_ N _ _ _ _.25B - -	466	56C
0.33	5309.5	45415	0.84	7950	F094350C_ N _ _ _ _.25B - -	466	56C
0.78	2235.7	19123	3.71	9750	F104322C_ N _ _ _ _.25B - -	660	56C
0.71	2481.3	21224	3.35	9750	F104325C_ N _ _ _ _.25B - -	660	56C
0.63	2796.0	23915	2.97	9750	F104328C_ N _ _ _ _.25B - -	660	56C
0.54	3260.8	27891	2.55	9750	F104332C_ N _ _ _ _.25B - -	660	56C
0.47	3751.6	32089	2.21	9750	F104336C_ N _ _ _ _.25B - -	660	56C
0.42	4168.5	35655	1.99	9750	F104340C_ N _ _ _ _.25B - -	660	56C
0.37	4718.0	40355	1.76	9750	F104345C_ N _ _ _ _.25B - -	660	56C
0.33	5305.3	45379	1.56	9750	F104350C_ N _ _ _ _.25B - -	660	56C

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

0.33 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
296.48	5.90	68.4	7.82	584	F0223 5.0 _ N _ _ _ _.33B - -	51	56C
219.47	7.97	92.4	6.85	606	F0223 6.3 _ N _ _ _ _.33B - -	51	56C
192.96	9.07	105	6.29	608	F0223 9.0 _ N _ _ _ _.33B - -	51	56C
170.32	10.27	119	5.85	620	F0223 10. _ N _ _ _ _.33B - -	51	56C
133.18	13.14	152	5.09	635	F0223 12. _ N _ _ _ _.33B - -	51	56C
123.58	14.16	164	4.85	642	F0223 14. _ N _ _ _ _.33B - -	51	56C
97.88	17.88	207	4.17	660	F0223 16. _ N _ _ _ _.33B - -	51	56C
86.34	20.27	235	3.84	674	F0223 20. _ N _ _ _ _.33B - -	51	56C
75.56	23.16	268	3.49	684	F0223 22. _ N _ _ _ _.33B - -	51	56C
67.92	25.77	299	3.23	697	F0223 25. _ N _ _ _ _.33B - -	51	56C
61.61	28.41	329	3.04	705	F0223 28. _ N _ _ _ _.33B - -	51	56C
55.98	31.26	362	2.84	718	F0223 32. _ N _ _ _ _.33B - -	51	56C
47.78	36.63	424	2.54	728	F0223 36. _ N _ _ _ _.33B - -	51	56C
39.83	43.94	509	2.24	758	F0223 40. _ N _ _ _ _.33B - -	51	56C
34.17	51.22	594	1.92	778	F0223 50. _ N _ _ _ _.33B - -	51	56C
30.75	56.91	659	1.73	795	F0223 56. _ N _ _ _ _.33B - -	51	56C
25.53	68.54	794	1.44	819	F0223 63. _ N _ _ _ _.33B - -	51	56C
22.28	78.56	910	1.10	841	F0223 71. _ N _ _ _ _.33B - -	51	56C
19.60	89.28	1035	0.95	857	F0223 90. _ N _ _ _ _.33B - -	51	56C
21.16	82.72	949	1.20	880	F0233 80. _ N _ _ _ _.33B - -	54	56C
19.02	92.02	1055	1.08	880	F0233 90. _ N _ _ _ _.33B - -	54	56C
17.25	101.45	1164	0.98	880	F0233 100 _ N _ _ _ _.33B - -	54	56C
15.67	111.65	1280	0.89	880	F0233 112 _ N _ _ _ _.33B - -	54	56C
35.36	49.49	573	3.31	1748	F0323 50. _ N _ _ _ _.33B - -	56	56C
30.34	57.69	668	2.48	1787	F0323 56. _ N _ _ _ _.33B - -	56	56C
27.30	64.10	743	2.10	1799	F0323 63. _ N _ _ _ _.33B - -	56	56C
22.67	77.19	894	1.48	1800	F0323 71. _ N _ _ _ _.33B - -	56	56C
19.78	88.47	1025	1.10	1792	F0323 90. _ N _ _ _ _.33B - -	56	56C
17.40	100.55	1165	0.95	1774	F0323 100 _ N _ _ _ _.33B - -	56	56C
24.33	71.91	825	2.68	1800	F0333 71. _ N _ _ _ _.33B - -	58	56C
21.47	81.53	935	2.36	1800	F0333 80. _ N _ _ _ _.33B - -	58	56C
18.78	93.16	1068	2.07	1800	F0333 90. _ N _ _ _ _.33B - -	58	56C
16.89	103.64	1189	1.86	1800	F0333 100 _ N _ _ _ _.33B - -	58	56C
15.32	114.26	1310	1.69	1800	F0333 112 _ N _ _ _ _.33B - -	58	56C
13.92	125.74	1442	1.53	1800	F0333 125 _ N _ _ _ _.33B - -	58	56C
11.88	147.32	1690	1.31	1800	F0333 160 _ N _ _ _ _.33B - -	58	56C
9.90	176.75	2027	1.09	1800	F0333 180 _ N _ _ _ _.33B - -	58	56C
8.49	206.03	2363	0.94	1800	F0333 200 _ N _ _ _ _.33B - -	58	56C
7.64	228.92	2625	0.84	1800	F0333 225 _ N _ _ _ _.33B - -	58	56C
23.95	73.07	847	3.26	1440	F0423 71. _ N _ _ _ _.33B - -	78	56C
21.10	82.94	961	2.58	1440	F0423 90. _ N _ _ _ _.33B - -	78	56C
18.56	94.29	1093	2.02	1440	F0423 100 _ N _ _ _ _.33B - -	78	56C
25.11	69.69	799	4.03	1440	F0433 71. _ N _ _ _ _.33B - -	74	56C
22.15	79.00	906	3.71	1440	F0433 80. _ N _ _ _ _.33B - -	74	56C
19.38	90.28	1035	3.38	1440	F0433 90. _ N _ _ _ _.33B - -	74	56C
17.43	100.43	1152	3.15	1440	F0433 100 _ N _ _ _ _.33B - -	74	56C
15.81	110.72	1270	2.91	1440	F0433 112 _ N _ _ _ _.33B - -	74	56C
14.36	121.85	1398	2.67	1440	F0433 125 _ N _ _ _ _.33B - -	74	56C
12.26	142.76	1637	2.28	1440	F0433 160 _ N _ _ _ _.33B - -	74	56C
10.22	171.28	1964	1.90	1440	F0433 180 _ N _ _ _ _.33B - -	74	56C
8.77	199.65	2290	1.63	1440	F0433 200 _ N _ _ _ _.33B - -	74	56C
7.89	221.84	2544	1.47	1440	F0433 225 _ N _ _ _ _.33B - -	74	56C
6.55	267.14	3064	1.22	1440	F0433 280 _ N _ _ _ _.33B - -	74	56C
5.72	306.20	3512	1.06	1440	F0433 320 _ N _ _ _ _.33B - -	74	56C
5.03	347.99	3991	0.93	1440	F0433 360 _ N _ _ _ _.33B - -	74	56C
13.44	130.20	1493	4.00	2030	F0533 125 _ N _ _ _ _.33B - -	93	56C
12.36	141.55	1623	3.72	2030	F0533 160 _ N _ _ _ _.33B - -	93	56C
10.30	169.93	1949	3.18	2030	F0533 180 _ N _ _ _ _.33B - -	93	56C
8.58	203.92	2339	2.65	2030	F0533 200 _ N _ _ _ _.33B - -	93	56C
7.62	229.77	2635	2.35	2030	F0533 225 _ N _ _ _ _.33B - -	93	56C
6.55	267.11	3063	2.02	2030	F0533 280 _ N _ _ _ _.33B - -	93	56C
5.77	303.17	3477	1.78	2030	F0533 320 _ N _ _ _ _.33B - -	93	56C
5.08	344.65	3953	1.57	2030	F0533 360 _ N _ _ _ _.33B - -	93	56C
4.27	409.90	4628	1.34	2030	F0543 400 _ N _ _ _ _.33B - -	115	56C
3.88	451.39	5096	1.22	2030	F0543 450 _ N _ _ _ _.33B - -	115	56C
3.47	505.02	5702	1.09	2030	F0543 500 _ N _ _ _ _.33B - -	115	56C
3.10	564.47	6373	0.97	2013	F0543 560 _ N _ _ _ _.33B - -	115	56C
2.77	631.55	7130	0.87	2030	F0543 630 _ N _ _ _ _.33B - -	115	56C

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

0.33 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
8.63	202.68	2325	3.43	3260	F0633200_N _ _ _ _.33B - -	124	56C
7.66	228.38	2619	3.04	3260	F0633225_N _ _ _ _.33B - -	124	56C
6.59	265.49	3045	2.62	3260	F0633280_N _ _ _ _.33B - -	124	56C
5.81	301.33	3456	2.31	3260	F0633320_N _ _ _ _.33B - -	124	56C
5.11	342.56	3929	2.03	3260	F0633360_N _ _ _ _.33B - -	124	56C
4.30	407.41	4600	1.73	3260	F0643400_N _ _ _ _.33B - -	149	56C
3.90	448.65	5065	1.57	3260	F0643450_N _ _ _ _.33B - -	149	56C
3.49	501.96	5667	1.41	3260	F0643500_N _ _ _ _.33B - -	149	56C
3.12	561.05	6335	1.26	3260	F0643560_N _ _ _ _.33B - -	149	56C
2.79	627.72	7087	1.12	3260	F0643630_N _ _ _ _.33B - -	149	56C
2.40	729.32	8234	0.97	3260	F0643710_N _ _ _ _.33B - -	149	56C
2.18	803.17	9068	0.88	3260	F0643800_N _ _ _ _.33B - -	149	56C
4.38	399.78	4514	3.32	3600	F0743400_N _ _ _ _.33B - -	201	56C
3.86	453.34	5118	2.93	3600	F0743450_N _ _ _ _.33B - -	201	56C
3.51	499.22	5636	2.66	3600	F0743500_N _ _ _ _.33B - -	201	56C
3.18	550.54	6216	2.41	3600	F0743560_N _ _ _ _.33B - -	201	56C
2.80	624.29	7049	2.13	3600	F0743630_N _ _ _ _.33B - -	201	56C
2.45	712.98	8050	1.86	3600	F0743710_N _ _ _ _.33B - -	201	56C
2.21	793.09	8954	1.68	3600	F0743800_N _ _ _ _.33B - -	201	56C
1.95	899.34	10154	1.48	3600	F0743900_N _ _ _ _.33B - -	201	56C
1.76	991.96	11200	1.34	3600	F074310C_N _ _ _ _.33B - -	201	56C
1.57	1117.7	12619	1.19	3600	F074311C_N _ _ _ _.33B - -	201	56C
1.37	1280.0	14452	1.04	3600	F074312C_N _ _ _ _.33B - -	201	56C
1.21	1447.2	16340	0.92	3600	F074314C_N _ _ _ _.33B - -	201	56C
2.91	601.45	6791	3.98	4000	F0843630_N _ _ _ _.33B - -	305	56C
2.49	701.40	7919	3.41	4000	F0843710_N _ _ _ _.33B - -	305	56C
2.15	815.79	9211	2.93	4000	F0843800_N _ _ _ _.33B - -	305	56C
1.92	912.72	10305	2.62	4000	F0843900_N _ _ _ _.33B - -	305	56C
1.75	1002.6	11320	2.39	4000	F084310C_N _ _ _ _.33B - -	305	56C
1.59	1098.2	12399	2.18	4000	F084311C_N _ _ _ _.33B - -	305	56C
1.42	1231.0	13898	1.94	4000	F084312C_N _ _ _ _.33B - -	305	56C
1.29	1352.2	15266	1.77	4000	F084314C_N _ _ _ _.33B - -	305	56C
1.06	1657.1	18709	1.44	4000	F084316C_N _ _ _ _.33B - -	305	56C
0.97	1801.2	20337	1.33	4000	F084318C_N _ _ _ _.33B - -	305	56C
0.88	1978.6	22339	1.21	4000	F084320C_N _ _ _ _.33B - -	305	56C
0.81	2166.5	24461	1.10	4000	F084322C_N _ _ _ _.33B - -	305	56C
0.72	2424.7	27376	0.99	4000	F084325C_N _ _ _ _.33B - -	305	56C
0.66	2655.0	29977	0.90	4000	F084328C_N _ _ _ _.33B - -	305	56C
1.95	896.74	10125	3.75	7950	F0943900_N _ _ _ _.33B - -	466	56C
1.75	1001.6	11308	3.36	7950	F094310C_N _ _ _ _.33B - -	466	56C
1.57	1112.8	12564	3.02	7950	F094311C_N _ _ _ _.33B - -	466	56C
1.38	1266.7	14301	2.66	7950	F094312C_N _ _ _ _.33B - -	466	56C
1.25	1398.4	15788	2.41	7950	F094314C_N _ _ _ _.33B - -	466	56C
1.09	1604.9	18120	2.10	7950	F094316C_N _ _ _ _.33B - -	466	56C
0.99	1760.9	19881	1.91	7950	F094318C_N _ _ _ _.33B - -	466	56C
0.86	2029.6	22915	1.66	7950	F094320C_N _ _ _ _.33B - -	466	56C
0.78	2240.6	25297	1.50	7950	F094322C_N _ _ _ _.33B - -	466	56C
0.70	2487.3	28083	1.35	7950	F094325C_N _ _ _ _.33B - -	466	56C
0.63	2772.3	31301	1.21	7950	F094328C_N _ _ _ _.33B - -	466	56C
0.56	3109.1	35103	1.08	7950	F094332C_N _ _ _ _.33B - -	466	56C
0.47	3719.8	41999	0.90	7950	F094336C_N _ _ _ _.33B - -	466	56C
0.42	4171.8	47101	0.81	7950	F094340C_N _ _ _ _.33B - -	466	56C
1.09	1601.2	18078	3.93	9750	F104316C_N _ _ _ _.33B - -	660	56C
0.98	1794.3	20259	3.50	9750	F104318C_N _ _ _ _.33B - -	660	56C
0.86	2025.1	22865	3.11	9750	F104320C_N _ _ _ _.33B - -	660	56C
0.78	2235.7	25242	2.81	9750	F104322C_N _ _ _ _.33B - -	660	56C
0.71	2481.3	28015	2.53	9750	F104325C_N _ _ _ _.33B - -	660	56C
0.63	2796.0	31568	2.25	9750	F104328C_N _ _ _ _.33B - -	660	56C
0.54	3260.8	36816	1.93	9750	F104332C_N _ _ _ _.33B - -	660	56C
0.47	3751.6	42358	1.68	9750	F104336C_N _ _ _ _.33B - -	660	56C
0.42	4168.5	47064	1.51	9750	F104340C_N _ _ _ _.33B - -	660	56C
0.37	4718.0	53269	1.33	9750	F104345C_N _ _ _ _.33B - -	660	56C
0.33	5305.3	59900	1.19	9750	F104350C_N _ _ _ _.33B - -	660	56C

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

0.50 kW

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
296.48	5.903	104	5.16	515	F0223 5.0 _ N _ _ _ _.50B - -	51	56C
219.47	7.974	140	4.52	535	F0223 6.3 _ N _ _ _ _.50B - -	51	56C
192.96	9.069	159	4.15	536	F0223 9.0 _ N _ _ _ _.50B - -	51	56C
170.32	10.27	180	3.86	548	F0223 10. _ N _ _ _ _.50B - -	51	56C
133.18	13.14	231	3.36	561	F0223 12. _ N _ _ _ _.50B - -	51	56C
123.58	14.16	249	3.20	567	F0223 14. _ N _ _ _ _.50B - -	51	56C
97.88	17.88	314	2.75	582	F0223 16. _ N _ _ _ _.50B - -	51	56C
86.34	20.27	356	2.54	595	F0223 20. _ N _ _ _ _.50B - -	51	56C
75.56	23.16	407	2.31	604	F0223 22. _ N _ _ _ _.50B - -	51	56C
67.92	25.77	452	2.13	615	F0223 25. _ N _ _ _ _.50B - -	51	56C
61.61	28.41	499	2.01	622	F0223 28. _ N _ _ _ _.50B - -	51	56C
55.98	31.26	549	1.88	634	F0223 32. _ N _ _ _ _.50B - -	51	56C
47.78	36.63	643	1.68	643	F0223 36. _ N _ _ _ _.50B - -	51	56C
39.83	43.94	771	1.48	669	F0223 40. _ N _ _ _ _.50B - -	51	56C
34.17	51.22	899	1.27	687	F0223 50. _ N _ _ _ _.50B - -	51	56C
30.75	56.91	999	1.14	702	F0223 56. _ N _ _ _ _.50B - -	51	56C
25.53	68.54	1203	0.95	723	F0223 63. _ N _ _ _ _.50B - -	51	56C
54.70	31.99	556	3.98	1402	F0323 32. _ N _ _ _ _.50B - -	56	56C
49.70	35.21	612	3.61	1426	F0323 36. _ N _ _ _ _.50B - -	56	56C
42.42	41.25	717	3.03	1478	F0323 40. _ N _ _ _ _.50B - -	56	56C
35.36	49.49	860	2.21	1548	F0323 50. _ N _ _ _ _.50B - -	56	56C
30.34	57.69	1002	1.66	1582	F0323 56. _ N _ _ _ _.50B - -	56	56C
27.30	64.10	1114	1.40	1593	F0323 63. _ N _ _ _ _.50B - -	56	56C
22.67	77.19	1341	0.98	1602	F0323 71. _ N _ _ _ _.50B - -	56	56C
19.78	88.47	1537	0.74	1586	F0323 90. _ N _ _ _ _.50B - -	56	56C
17.40	100.55	1747	0.64	1571	F0323 100 _ N _ _ _ _.50B - -	56	56C
24.33	71.91	1250	1.77	1602	F0333 71. _ N _ _ _ _.50B - -	58	56C
21.47	81.53	1417	1.56	1657	F0333 80. _ N _ _ _ _.50B - -	58	56C
18.78	93.16	1619	1.37	1757	F0333 90. _ N _ _ _ _.50B - -	58	56C
16.89	103.64	1801	1.23	1712	F0333 100 _ N _ _ _ _.50B - -	58	56C
15.32	114.26	1985	1.11	1735	F0333 112 _ N _ _ _ _.50B - -	58	56C
13.92	125.74	2185	1.01	1706	F0333 125 _ N _ _ _ _.50B - -	58	56C
11.88	147.32	2560	0.86	1674	F0333 160 _ N _ _ _ _.50B - -	58	56C
31.37	55.79	979	3.62	1440	F0423 56. _ N _ _ _ _.50B - -	69	56C
27.84	62.86	1104	2.89	1440	F0423 63. _ N _ _ _ _.50B - -	69	56C
23.95	73.07	1283	2.15	1440	F0423 71. _ N _ _ _ _.50B - -	69	56C
21.10	82.94	1456	1.70	1440	F0423 90. _ N _ _ _ _.50B - -	69	56C
18.56	94.29	1655	1.34	1440	F0423 100 _ N _ _ _ _.50B - -	69	56C
25.11	69.69	1211	2.66	1440	F0433 71. _ N _ _ _ _.50B - -	74	56C
22.15	79.00	1373	2.45	1440	F0433 80. _ N _ _ _ _.50B - -	74	56C
19.38	90.28	1569	2.23	1440	F0433 90. _ N _ _ _ _.50B - -	74	56C
17.43	100.43	1745	2.08	1440	F0433 100 _ N _ _ _ _.50B - -	74	56C
15.81	110.72	1924	1.92	1440	F0433 112 _ N _ _ _ _.50B - -	74	56C
14.36	121.85	2117	1.76	1440	F0433 125 _ N _ _ _ _.50B - -	74	56C
12.26	142.76	2481	1.50	1440	F0433 160 _ N _ _ _ _.50B - -	74	56C
10.22	171.28	2976	1.25	1440	F0433 180 _ N _ _ _ _.50B - -	74	56C
8.77	199.65	3469	1.08	1440	F0433 200 _ N _ _ _ _.50B - -	74	56C
7.89	221.84	3855	0.97	1440	F0433 225 _ N _ _ _ _.50B - -	74	56C
6.55	267.14	4642	0.80	1440	F0433 280 _ N _ _ _ _.50B - -	74	56C
20.64	84.78	1488	3.65	2030	F0523 90. _ N _ _ _ _.50B - -	87	56C
18.41	95.08	1669	2.86	2030	F0523 100 _ N _ _ _ _.50B - -	87	56C
17.02	102.79	1786	3.23	2030	F0533 100 _ N _ _ _ _.50B - -	93	56C
15.46	113.20	1967	2.97	2030	F0533 112 _ N _ _ _ _.50B - -	93	56C
13.44	130.20	2263	2.64	2030	F0533 125 _ N _ _ _ _.50B - -	93	56C
12.36	141.55	2460	2.46	2030	F0533 160 _ N _ _ _ _.50B - -	93	56C
10.30	169.93	2953	2.10	2030	F0533 180 _ N _ _ _ _.50B - -	93	56C
8.58	203.92	3543	1.75	2030	F0533 200 _ N _ _ _ _.50B - -	93	56C
7.62	229.77	3993	1.55	2030	F0533 225 _ N _ _ _ _.50B - -	93	56C
6.55	267.11	4641	1.34	2030	F0533 280 _ N _ _ _ _.50B - -	93	56C
5.77	303.17	5268	1.18	2030	F0533 320 _ N _ _ _ _.50B - -	93	56C
5.08	344.65	5989	1.04	2030	F0533 360 _ N _ _ _ _.50B - -	93	56C
4.27	409.90	7123	0.87	2030	F0533 400 _ N _ _ _ _.50B - -	93	56C

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

0.50 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
13.52	129.41	2249	3.54	3260	F0633125_ N _ _ _ _.50B - -	124	56C
12.44	140.70	2445	3.26	3260	F0633160_ N _ _ _ _.50B - -	124	56C
10.36	168.90	2935	2.72	3260	F0633180_ N _ _ _ _.50B - -	124	56C
8.63	202.68	3522	2.26	3260	F0633200_ N _ _ _ _.50B - -	124	56C
7.66	228.38	3968	2.01	3260	F0633225_ N _ _ _ _.50B - -	124	56C
6.59	265.49	4613	1.73	3260	F0633280_ N _ _ _ _.50B - -	124	56C
5.81	301.33	5236	1.52	3260	F0633320_ N _ _ _ _.50B - -	124	56C
5.11	342.56	5953	1.34	3260	F0633360_ N _ _ _ _.50B - -	124	56C
4.30	407.41	6970	1.14	3260	F0643400_ N _ _ _ _.50B - -	149	56C
3.90	448.65	7675	1.04	3260	F0643450_ N _ _ _ _.50B - -	149	56C
3.49	501.96	8587	0.93	3260	F0643500_ N _ _ _ _.50B - -	149	56C
3.12	561.05	9598	0.83	3260	F0643560_ N _ _ _ _.50B - -	149	56C
7.88	222.12	3860	3.89	3600	F0733225_ N _ _ _ _.50B - -	182	56C
6.43	272.22	4730	3.17	3600	F0733280_ N _ _ _ _.50B - -	182	56C
5.77	303.41	5272	2.85	3600	F0733320_ N _ _ _ _.50B - -	182	56C
5.14	340.28	5913	2.54	3600	F0733360_ N _ _ _ _.50B - -	182	56C
4.38	399.78	6947	2.16	3600	F0743400_ N _ _ _ _.50B - -	201	56C
3.86	453.34	7878	1.90	3600	F0743450_ N _ _ _ _.50B - -	201	56C
3.51	499.22	8675	1.73	3600	F0743500_ N _ _ _ _.50B - -	201	56C
3.18	550.54	9567	1.57	3600	F0743560_ N _ _ _ _.50B - -	201	56C
2.80	624.29	10848	1.38	3600	F0743630_ N _ _ _ _.50B - -	201	56C
2.45	712.98	12389	1.21	3600	F0743710_ N _ _ _ _.50B - -	201	56C
2.21	793.09	13781	1.09	3600	F0743800_ N _ _ _ _.50B - -	201	56C
1.95	899.34	15628	0.96	3600	F0743900_ N _ _ _ _.50B - -	201	56C
1.76	991.96	17237	0.87	3600	F074310C_ N _ _ _ _.50B - -	201	56C
3.98	439.55	7519	3.59	4000	F0843450_ N _ _ _ _.50B - -	305	56C
3.53	496.15	8488	3.18	4000	F0843500_ N _ _ _ _.50B - -	305	56C
3.03	577.06	9872	2.74	4000	F0843560_ N _ _ _ _.50B - -	305	56C
2.91	601.45	10289	2.62	4000	F0843630_ N _ _ _ _.50B - -	305	56C
2.49	701.40	11999	2.25	4000	F0843710_ N _ _ _ _.50B - -	305	56C
2.15	815.79	13955	1.93	4000	F0843800_ N _ _ _ _.50B - -	305	56C
1.92	912.72	15614	1.73	4000	F0843900_ N _ _ _ _.50B - -	305	56C
1.75	1002.6	17151	1.57	4000	F084310C_ N _ _ _ _.50B - -	305	56C
1.59	1098.2	18786	1.44	4000	F084311C_ N _ _ _ _.50B - -	305	56C
1.42	1231.0	21058	1.28	4000	F084312C_ N _ _ _ _.50B - -	305	56C
1.29	1352.2	23131	1.17	4000	F084314C_ N _ _ _ _.50B - -	305	56C
1.06	1657.1	28347	0.95	4000	F084316C_ N _ _ _ _.50B - -	305	56C
0.97	1801.2	30813	0.88	4000	F084318C_ N _ _ _ _.50B - -	305	56C
0.88	1978.6	33847	0.80	4000	F084320C_ N _ _ _ _.50B - -	305	56C
3.05	573.03	9803	3.88	7950	F0943560_ N _ _ _ _.50B - -	466	56C
2.74	637.88	10912	3.48	7950	F0943630_ N _ _ _ _.50B - -	466	56C
2.47	708.68	12123	3.13	7950	F0943710_ N _ _ _ _.50B - -	466	56C
2.17	807.14	13808	2.75	7950	F0943800_ N _ _ _ _.50B - -	466	56C
1.95	896.74	15340	2.48	7950	F0943900_ N _ _ _ _.50B - -	466	56C
1.75	1001.6	17134	2.22	7950	F094310C_ N _ _ _ _.50B - -	466	56C
1.57	1112.8	19036	2.00	7950	F094311C_ N _ _ _ _.50B - -	466	56C
1.38	1266.7	21669	1.75	7950	F094312C_ N _ _ _ _.50B - -	466	56C
1.25	1398.4	23922	1.59	7950	F094314C_ N _ _ _ _.50B - -	466	56C
1.09	1604.9	27454	1.38	7950	F094316C_ N _ _ _ _.50B - -	466	56C
0.99	1760.9	30123	1.26	7950	F094318C_ N _ _ _ _.50B - -	466	56C
0.86	2029.6	34719	1.09	7950	F094320C_ N _ _ _ _.50B - -	466	56C
0.78	2240.6	38329	0.99	7950	F094322C_ N _ _ _ _.50B - -	466	56C
0.70	2487.3	42550	0.89	7950	F094325C_ N _ _ _ _.50B - -	466	56C
0.63	2772.3	47425	0.80	7950	F094328C_ N _ _ _ _.50B - -	466	56C
1.53	1140.2	19505	3.64	9750	F104311C_ N _ _ _ _.50B - -	660	56C
1.39	1256.4	21493	3.30	9750	F104312C_ N _ _ _ _.50B - -	660	56C
1.26	1385.8	23706	2.99	9750	F104314C_ N _ _ _ _.50B - -	660	56C
1.09	1601.2	27391	2.59	9750	F104316C_ N _ _ _ _.50B - -	660	56C
0.98	1794.3	30695	2.31	9750	F104318C_ N _ _ _ _.50B - -	660	56C
0.86	2025.1	34643	2.05	9750	F104320C_ N _ _ _ _.50B - -	660	56C
0.78	2235.7	38245	1.86	9750	F104322C_ N _ _ _ _.50B - -	660	56C
0.71	2481.3	42447	1.67	9750	F104325C_ N _ _ _ _.50B - -	660	56C
0.63	2796.0	47830	1.48	9750	F104328C_ N _ _ _ _.50B - -	660	56C
0.54	3260.8	55781	1.27	9750	F104332C_ N _ _ _ _.50B - -	660	56C
0.47	3751.6	64178	1.11	9750	F104336C_ N _ _ _ _.50B - -	660	56C
0.42	4168.5	71309	1.00	9750	F104340C_ N _ _ _ _.50B - -	660	56C
0.37	4718.0	80711	0.88	9750	F104345C_ N _ _ _ _.50B - -	660	56C

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

0.75 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
296.48	5.903	155	3.44	456	F0223 5.0 _ N _ _ _ _.75B - -	51	56C
219.47	7.974	210	3.01	473	F0223 6.3 _ N _ _ _ _.75B - -	51	56C
192.96	9.069	239	2.77	475	F0223 9.0 _ N _ _ _ _.75B - -	51	56C
170.32	10.27	271	2.58	485	F0223 10. _ N _ _ _ _.75B - -	51	56C
133.18	13.14	346	2.24	497	F0223 12. _ N _ _ _ _.75B - -	51	56C
123.58	14.16	373	2.13	502	F0223 14. _ N _ _ _ _.75B - -	51	56C
97.88	17.88	471	1.83	516	F0223 16. _ N _ _ _ _.75B - -	51	56C
86.34	20.27	534	1.69	527	F0223 20. _ N _ _ _ _.75B - -	51	56C
75.56	23.16	610	1.54	535	F0223 22. _ N _ _ _ _.75B - -	51	56C
67.92	25.77	679	1.42	545	F0223 25. _ N _ _ _ _.75B - -	51	56C
61.61	28.41	748	1.34	551	F0223 28. _ N _ _ _ _.75B - -	51	56C
55.98	31.26	823	1.25	561	F0223 32. _ N _ _ _ _.75B - -	51	56C
47.78	36.63	965	1.12	569	F0223 36. _ N _ _ _ _.75B - -	51	56C
39.83	43.94	1157	0.99	592	F0223 40. _ N _ _ _ _.75B - -	51	56C
34.17	51.22	1349	0.85	608	F0223 50. _ N _ _ _ _.75B - -	51	56C
86.91	20.14	530	3.98	1127	F0323 20. _ N _ _ _ _.75B - -	56	56C
76.66	22.83	601	3.63	1148	F0323 22. _ N _ _ _ _.75B - -	56	56C
67.09	26.09	687	3.20	1177	F0323 25. _ N _ _ _ _.75B - -	56	56C
60.31	29.02	764	2.89	1210	F0323 28. _ N _ _ _ _.75B - -	56	56C
54.70	31.99	843	2.62	1238	F0323 32. _ N _ _ _ _.75B - -	56	56C
49.70	35.21	927	2.38	1259	F0323 36. _ N _ _ _ _.75B - -	56	56C
42.42	41.25	1086	2.00	1305	F0323 40. _ N _ _ _ _.75B - -	56	56C
35.36	49.49	1303	1.46	1366	F0323 50. _ N _ _ _ _.75B - -	56	56C
30.34	57.69	1519	1.09	1397	F0323 56. _ N _ _ _ _.75B - -	56	56C
27.30	64.10	1688	0.92	1406	F0323 63. _ N _ _ _ _.75B - -	56	56C
24.33	71.91	1874	1.18	1692	F0333 71. _ N _ _ _ _.75B - -	58	56C
21.47	81.53	2125	1.04	1761	F0333 80. _ N _ _ _ _.75B - -	58	56C
18.78	93.16	2428	0.91	1750	F0333 90. _ N _ _ _ _.75B - -	58	56C
16.89	103.64	2701	0.82	1271	F0333 100 _ N _ _ _ _.75B - -	58	56C
49.13	35.62	938	3.71	1440	F0423 36. _ N _ _ _ _.75B - -	69	56C
45.19	38.72	1020	3.26	1440	F0423 40. _ N _ _ _ _.75B - -	69	56C
37.64	46.49	1224	2.86	1440	F0423 50. _ N _ _ _ _.75B - -	69	56C
31.37	55.79	1469	2.42	1440	F0423 56. _ N _ _ _ _.75B - -	69	56C
27.84	62.86	1655	1.93	1440	F0423 63. _ N _ _ _ _.75B - -	69	56C
23.95	73.07	1924	1.43	1440	F0423 71. _ N _ _ _ _.75B - -	69	56C
21.10	82.94	2184	1.14	1440	F0423 90. _ N _ _ _ _.75B - -	69	56C
18.56	94.29	2483	0.89	1440	F0423 100 _ N _ _ _ _.75B - -	69	56C
25.11	69.69	1816	1.77	1440	F0433 71. _ N _ _ _ _.75B - -	74	56C
22.15	79.00	2059	1.63	1440	F0433 80. _ N _ _ _ _.75B - -	74	56C
19.38	90.28	2353	1.49	1440	F0433 90. _ N _ _ _ _.75B - -	74	56C
17.43	100.43	2618	1.39	1440	F0433 100 _ N _ _ _ _.75B - -	74	56C
15.81	110.72	2886	1.28	1440	F0433 112 _ N _ _ _ _.75B - -	74	56C
14.36	121.85	3176	1.17	1440	F0433 125 _ N _ _ _ _.75B - -	74	56C
12.26	142.76	3721	1.00	1440	F0433 160 _ N _ _ _ _.75B - -	74	56C
10.22	171.28	4464	0.84	1440	F0433 180 _ N _ _ _ _.75B - -	74	56C
30.87	56.68	1493	3.54	1666	F0523 56. _ N _ _ _ _.75B - -	87	56C
28.20	62.06	1634	3.28	1699	F0523 63. _ N _ _ _ _.75B - -	87	56C
23.01	76.06	2003	2.76	1789	F0523 71. _ N _ _ _ _.75B - -	87	56C
20.64	84.78	2233	2.44	1855	F0523 90. _ N _ _ _ _.75B - -	87	56C
18.41	95.08	2504	1.91	2030	F0523 100 _ N _ _ _ _.75B - -	87	56C
17.02	102.79	2679	2.15	1926	F0533 100 _ N _ _ _ _.75B - -	93	56C
15.46	113.20	2950	1.98	1965	F0533 112 _ N _ _ _ _.75B - -	93	56C
13.44	130.20	3394	1.76	2026	F0533 125 _ N _ _ _ _.75B - -	93	56C
12.36	141.55	3690	1.64	2030	F0533 160 _ N _ _ _ _.75B - -	93	56C
10.30	169.93	4429	1.40	2030	F0533 180 _ N _ _ _ _.75B - -	93	56C
8.58	203.92	5315	1.17	2030	F0533 200 _ N _ _ _ _.75B - -	93	56C
7.62	229.77	5989	1.04	2030	F0533 225 _ N _ _ _ _.75B - -	93	56C
6.55	267.11	6962	0.89	2030	F0533 280 _ N _ _ _ _.75B - -	93	56C
23.15	75.60	1991	3.90	3260	F0623 71. _ N _ _ _ _.75B - -	120	56C
20.77	84.26	2219	2.44	3260	F0623 90. _ N _ _ _ _.75B - -	120	56C
18.52	94.50	2489	1.70	3260	F0623 100 _ N _ _ _ _.75B - -	120	56C

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

F

0.75 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
17.13	102.17	2663	2.96	3260	F0633100_N____.75B - -	124	56C
15.55	112.51	2933	2.72	3260	F0633112_N____.75B - -	124	56C
13.52	129.41	3373	2.36	3260	F0633125_N____.75B - -	124	56C
12.44	140.70	3667	2.17	3260	F0633160_N____.75B - -	124	56C
10.36	168.90	4402	1.81	3260	F0633180_N____.75B - -	124	56C
8.63	202.68	5283	1.51	3260	F0633200_N____.75B - -	124	56C
7.66	228.38	5953	1.34	3260	F0633225_N____.75B - -	124	56C
6.59	265.49	6920	1.15	3260	F0633280_N____.75B - -	124	56C
5.81	301.33	7854	1.01	3260	F0633320_N____.75B - -	124	56C
5.11	342.56	8929	0.89	3260	F0633360_N____.75B - -	124	56C
12.62	138.63	3613	3.90	3600	F0733160_N____.75B - -	182	56C
10.17	172.03	4484	3.35	3600	F0733180_N____.75B - -	182	56C
8.63	202.86	5288	2.84	3600	F0733200_N____.75B - -	182	56C
7.88	222.12	5790	2.59	3600	F0733225_N____.75B - -	182	56C
6.43	272.22	7096	2.11	3600	F0733280_N____.75B - -	182	56C
5.77	303.41	7909	1.90	3600	F0733320_N____.75B - -	182	56C
5.14	340.28	8869	1.69	3600	F0733360_N____.75B - -	182	56C
4.38	399.78	10258	1.46	3600	F0743400_N____.75B - -	201	56C
3.86	453.34	11633	1.29	3600	F0743450_N____.75B - -	201	56C
3.51	499.22	12810	1.17	3600	F0743500_N____.75B - -	201	56C
3.18	550.54	14127	1.06	3600	F0743560_N____.75B - -	201	56C
2.80	624.29	16019	0.94	3600	F0743630_N____.75B - -	201	56C
2.45	712.98	18295	0.82	3600	F0743710_N____.75B - -	201	56C
6.43	272.31	7098	3.80	4000	F0833280_N____.75B - -	268	56C
5.89	297.37	7751	3.48	4000	F0833320_N____.75B - -	268	56C
5.11	342.42	8925	3.03	4000	F0833360_N____.75B - -	268	56C
4.50	388.52	9969	2.71	4000	F0843400_N____.75B - -	305	56C
3.98	439.55	11279	2.39	4000	F0843450_N____.75B - -	305	56C
3.53	496.15	12731	2.12	4000	F0843500_N____.75B - -	305	56C
3.03	577.06	14807	1.82	4000	F0843560_N____.75B - -	305	56C
2.91	601.45	15433	1.75	4000	F0843630_N____.75B - -	305	56C
2.49	701.40	17998	1.50	4000	F0843710_N____.75B - -	305	56C
2.15	815.79	20933	1.29	4000	F0843800_N____.75B - -	305	56C
1.92	912.72	23421	1.15	4000	F0843900_N____.75B - -	305	56C
1.75	1002.59	25727	1.05	4000	F084310C_N____.75B - -	305	56C
1.59	1098.17	28179	0.96	4000	F084311C_N____.75B - -	305	56C
1.42	1230.95	31586	0.85	4000	F084312C_N____.75B - -	305	56C
4.24	413.16	10602	3.58	7950	F0943400_N____.75B - -	466	56C
3.81	459.91	11801	3.22	7950	F0943450_N____.75B - -	466	56C
3.42	510.96	13111	2.90	7950	F0943500_N____.75B - -	466	56C
3.05	573.03	14704	2.58	7950	F0943560_N____.75B - -	466	56C
2.74	637.88	16368	2.32	7950	F0943630_N____.75B - -	466	56C
2.47	708.68	18185	2.09	7950	F0943710_N____.75B - -	466	56C
2.17	807.14	20711	1.83	7950	F0943800_N____.75B - -	466	56C
1.95	896.74	23010	1.65	7950	F0943900_N____.75B - -	466	56C
1.75	1001.6	25701	1.48	7950	F094310C_N____.75B - -	466	56C
1.57	1112.8	28554	1.33	7950	F094311C_N____.75B - -	466	56C
1.38	1266.7	32503	1.17	7950	F094312C_N____.75B - -	466	56C
1.25	1398.4	35883	1.06	7950	F094314C_N____.75B - -	466	56C
1.09	1604.9	41182	0.92	7950	F094316C_N____.75B - -	466	56C
0.99	1760.9	45184	0.84	7950	F094318C_N____.75B - -	466	56C
2.45	715.0	18346	3.87	9750	F1043710_N____.75B - -	660	56C
2.16	810.7	20804	3.41	9750	F1043800_N____.75B - -	660	56C
1.96	894.2	22947	3.09	9750	F1043900_N____.75B - -	660	56C
1.71	1024.1	26279	2.70	9750	F104310C_N____.75B - -	660	56C
1.53	1140.2	29257	2.43	9750	F104311C_N____.75B - -	660	56C
1.39	1256.4	32239	2.20	9750	F104312C_N____.75B - -	660	56C
1.26	1385.8	35559	2.00	9750	F104314C_N____.75B - -	660	56C
1.09	1601.2	41087	1.73	9750	F104316C_N____.75B - -	660	56C
0.98	1794.3	46043	1.54	9750	F104318C_N____.75B - -	660	56C
0.86	2025.1	51965	1.37	9750	F104320C_N____.75B - -	660	56C
0.78	2235.7	57368	1.24	9750	F104322C_N____.75B - -	660	56C
0.71	2481.3	63671	1.12	9750	F104325C_N____.75B - -	660	56C
0.63	2796.0	71746	0.99	9750	F104328C_N____.75B - -	660	56C
0.54	3260.8	83672	0.85	9750	F104332C_N____.75B - -	660	56C

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

1.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
296.48	5.903	207	2.58	419	F0223 5.0 _ N _ _ _ _1.0B - -	56	143TC
219.47	7.974	280	2.26	434	F0223 6.3 _ N _ _ _ _1.0B - -	56	143TC
192.96	9.069	318	2.08	436	F0223 9.0 _ N _ _ _ _1.0B - -	56	143TC
170.32	10.27	361	1.93	445	F0223 10. _ N _ _ _ _1.0B - -	56	143TC
133.18	13.14	461	1.68	456	F0223 12. _ N _ _ _ _1.0B - -	56	143TC
123.58	14.16	497	1.60	461	F0223 14. _ N _ _ _ _1.0B - -	56	143TC
97.88	17.88	628	1.37	473	F0223 16. _ N _ _ _ _1.0B - -	56	143TC
86.34	20.27	712	1.27	483	F0223 20. _ N _ _ _ _1.0B - -	56	143TC
75.56	23.16	813	1.15	491	F0223 22. _ N _ _ _ _1.0B - -	56	143TC
67.92	25.77	905	1.07	500	F0223 25. _ N _ _ _ _1.0B - -	56	143TC
61.61	28.41	997	1.00	505	F0223 28. _ N _ _ _ _1.0B - -	56	143TC
55.98	31.26	1098	0.94	515	F0223 32. _ N _ _ _ _1.0B - -	56	143TC
47.78	36.63	1286	0.84	522	F0223 36. _ N _ _ _ _1.0B - -	56	143TC
118.25	14.80	520	3.62	993	F0323 14. _ N _ _ _ _1.0B - -	61	143TC
109.72	15.95	560	3.46	1002	F0323 16. _ N _ _ _ _1.0B - -	61	143TC
86.91	20.14	707	2.98	1034	F0323 20. _ N _ _ _ _1.0B - -	61	143TC
76.66	22.83	802	2.72	1053	F0323 22. _ N _ _ _ _1.0B - -	61	143TC
67.09	26.09	916	2.40	1080	F0323 25. _ N _ _ _ _1.0B - -	61	143TC
60.31	29.02	1019	2.17	1110	F0323 28. _ N _ _ _ _1.0B - -	61	143TC
54.70	31.99	1123	1.97	1136	F0323 32. _ N _ _ _ _1.0B - -	61	143TC
49.70	35.21	1236	1.79	1155	F0323 36. _ N _ _ _ _1.0B - -	61	143TC
42.42	41.25	1448	1.50	1197	F0323 40. _ N _ _ _ _1.0B - -	61	143TC
35.36	49.49	1738	1.09	1253	F0323 50. _ N _ _ _ _1.0B - -	61	143TC
30.34	57.69	2026	0.82	1281	F0323 56. _ N _ _ _ _1.0B - -	61	143TC
70.71	24.75	869	3.79	1440	F0423 25. _ N _ _ _ _1.0B - -	74	143TC
62.23	28.12	987	3.39	1440	F0423 28. _ N _ _ _ _1.0B - -	74	143TC
56.51	30.97	1087	3.08	1440	F0423 32. _ N _ _ _ _1.0B - -	74	143TC
49.13	35.62	1251	2.78	1440	F0423 36. _ N _ _ _ _1.0B - -	74	143TC
45.19	38.72	1360	2.44	1440	F0423 40. _ N _ _ _ _1.0B - -	74	143TC
37.64	46.49	1632	2.14	1440	F0423 50. _ N _ _ _ _1.0B - -	74	143TC
31.37	55.79	1959	1.81	1440	F0423 56. _ N _ _ _ _1.0B - -	74	143TC
27.84	62.86	2207	1.45	1440	F0423 63. _ N _ _ _ _1.0B - -	74	143TC
23.95	73.07	2566	1.08	1440	F0423 71. _ N _ _ _ _1.0B - -	74	143TC
21.10	82.94	2912	0.85	1440	F0423 90. _ N _ _ _ _1.0B - -	74	143TC
25.11	69.69	2422	1.33	1440	F0433 71. _ N _ _ _ _1.0B - -	79	143TC
22.15	79.00	2746	1.22	1440	F0433 80. _ N _ _ _ _1.0B - -	79	143TC
19.38	90.28	3138	1.12	1440	F0433 90. _ N _ _ _ _1.0B - -	79	143TC
17.43	100.43	3490	1.04	1440	F0433 100 _ N _ _ _ _1.0B - -	79	143TC
15.81	110.72	3848	0.96	1440	F0433 112 _ N _ _ _ _1.0B - -	79	143TC
14.36	121.85	4235	0.88	1440	F0433 125 _ N _ _ _ _1.0B - -	79	143TC
48.24	36.28	1274	3.90	1361	F0523 36. _ N _ _ _ _1.0B - -	92	143TC
45.18	38.74	1360	3.68	1383	F0523 40. _ N _ _ _ _1.0B - -	92	143TC
36.41	48.07	1688	3.06	1469	F0523 50. _ N _ _ _ _1.0B - -	92	143TC
30.87	56.68	1990	2.66	1529	F0523 56. _ N _ _ _ _1.0B - -	92	143TC
28.20	62.06	2179	2.46	1559	F0523 63. _ N _ _ _ _1.0B - -	92	143TC
23.01	76.06	2671	2.07	1641	F0523 71. _ N _ _ _ _1.0B - -	92	143TC
20.64	84.78	2977	1.83	1702	F0523 90. _ N _ _ _ _1.0B - -	92	143TC
18.41	95.08	3339	1.43	1970	F0523 100 _ N _ _ _ _1.0B - -	92	143TC
17.02	102.79	3572	1.62	1767	F0533 100 _ N _ _ _ _1.0B - -	98	143TC
15.46	113.20	3934	1.49	1802	F0533 112 _ N _ _ _ _1.0B - -	98	143TC
13.44	130.20	4525	1.32	1858	F0533 125 _ N _ _ _ _1.0B - -	98	143TC
12.36	141.55	4920	1.23	1882	F0533 160 _ N _ _ _ _1.0B - -	98	143TC
10.30	169.93	5906	1.05	1958	F0533 180 _ N _ _ _ _1.0B - -	98	143TC
8.58	203.92	7087	0.87	1950	F0533 200 _ N _ _ _ _1.0B - -	98	143TC
31.06	56.34	1978	4.03	3260	F0623 56. _ N _ _ _ _1.0B - -	125	143TC
28.37	61.69	2166	3.68	3260	F0623 63. _ N _ _ _ _1.0B - -	125	143TC
23.15	75.60	2655	2.92	3260	F0623 71. _ N _ _ _ _1.0B - -	125	143TC
20.77	84.26	2959	1.83	3260	F0623 90. _ N _ _ _ _1.0B - -	125	143TC
18.52	94.50	3318	1.28	3260	F0623 100 _ N _ _ _ _1.0B - -	125	143TC
17.13	102.17	3551	2.22	3260	F0633 100 _ N _ _ _ _1.0B - -	129	143TC
15.55	112.51	3910	2.04	3260	F0633 112 _ N _ _ _ _1.0B - -	129	143TC
13.52	129.41	4498	1.77	3260	F0633 125 _ N _ _ _ _1.0B - -	129	143TC
12.44	140.70	4890	1.63	3260	F0633 160 _ N _ _ _ _1.0B - -	129	143TC
10.36	168.90	5870	1.36	3260	F0633 180 _ N _ _ _ _1.0B - -	129	143TC
8.63	202.68	7044	1.13	3260	F0633 200 _ N _ _ _ _1.0B - -	129	143TC
7.66	228.38	7937	1.00	3260	F0633 225 _ N _ _ _ _1.0B - -	129	143TC
6.59	265.49	9227	0.86	3260	F0633 280 _ N _ _ _ _1.0B - -	129	143TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

F

1.0 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
19.05	91.87	3193	3.88	3600	F0733 90._N _ _ _ _1.0B - -	187	143TC
17.02	102.79	3572	3.72	3600	F0733 100_N _ _ _ _1.0B - -	187	143TC
15.97	109.56	3808	3.49	3600	F0733 112_N _ _ _ _1.0B - -	187	143TC
13.48	129.84	4512	3.06	3600	F0733 125_N _ _ _ _1.0B - -	187	143TC
12.62	138.63	4818	2.93	3600	F0733 160_N _ _ _ _1.0B - -	187	143TC
10.17	172.03	5979	2.51	3600	F0733 180_N _ _ _ _1.0B - -	187	143TC
8.63	202.86	7050	2.13	3600	F0733 200_N _ _ _ _1.0B - -	187	143TC
7.88	222.12	7720	1.94	3600	F0733 225_N _ _ _ _1.0B - -	187	143TC
6.43	272.22	9461	1.59	3600	F0733 280_N _ _ _ _1.0B - -	187	143TC
5.77	303.41	10545	1.42	3600	F0733 320_N _ _ _ _1.0B - -	187	143TC
5.14	340.28	11826	1.27	3600	F0733 360_N _ _ _ _1.0B - -	187	143TC
4.38	399.78	13894	1.08	3600	F0743 400_N _ _ _ _1.0B - -	206	143TC
3.86	453.34	15755	0.95	3600	F0743 450_N _ _ _ _1.0B - -	206	143TC
3.51	499.22	17350	0.86	3600	F0743 500_N _ _ _ _1.0B - -	206	143TC
8.65	202.29	7030	3.84	4000	F0833 200_N _ _ _ _1.0B - -	273	143TC
7.88	222.21	7723	3.50	4000	F0833 225_N _ _ _ _1.0B - -	273	143TC
6.43	272.31	9464	2.85	4000	F0833 280_N _ _ _ _1.0B - -	273	143TC
5.89	297.37	10335	2.61	4000	F0833 320_N _ _ _ _1.0B - -	273	143TC
5.11	342.42	11900	2.27	4000	F0833 360_N _ _ _ _1.0B - -	273	143TC
4.50	388.52	13293	2.03	4000	F0843 400_N _ _ _ _1.0B - -	310	143TC
3.98	439.55	15038	1.80	4000	F0843 450_N _ _ _ _1.0B - -	310	143TC
3.53	496.15	16975	1.59	4000	F0843 500_N _ _ _ _1.0B - -	310	143TC
3.03	577.06	19743	1.37	4000	F0843 560_N _ _ _ _1.0B - -	310	143TC
2.91	601.45	20578	1.31	4000	F0843 630_N _ _ _ _1.0B - -	310	143TC
2.49	701.40	23998	1.13	4000	F0843 710_N _ _ _ _1.0B - -	310	143TC
2.15	815.79	27911	0.97	4000	F0843 800_N _ _ _ _1.0B - -	310	143TC
1.92	912.72	31228	0.86	4000	F0843 900_N _ _ _ _1.0B - -	310	143TC
6.25	279.95	9729	3.91	7950	F0933 280_N _ _ _ _1.0B - -	436	143TC
5.72	305.71	10624	3.58	7950	F0933 320_N _ _ _ _1.0B - -	436	143TC
4.97	352.02	12234	3.11	7950	F0933 360_N _ _ _ _1.0B - -	436	143TC
4.24	413.16	14136	2.69	7950	F0943 400_N _ _ _ _1.0B - -	471	143TC
3.81	459.91	15735	2.41	7950	F0943 450_N _ _ _ _1.0B - -	471	143TC
3.42	510.96	17482	2.17	7950	F0943 500_N _ _ _ _1.0B - -	471	143TC
3.05	573.03	19605	1.94	7950	F0943 560_N _ _ _ _1.0B - -	471	143TC
2.74	637.88	21824	1.74	7950	F0943 630_N _ _ _ _1.0B - -	471	143TC
2.47	708.68	24246	1.57	7950	F0943 710_N _ _ _ _1.0B - -	471	143TC
2.17	807.14	27615	1.38	7950	F0943 800_N _ _ _ _1.0B - -	471	143TC
1.95	896.74	30681	1.24	7950	F0943 900_N _ _ _ _1.0B - -	471	143TC
1.75	1001.59	34268	1.11	7950	F094310C_N _ _ _ _1.0B - -	471	143TC
1.57	1112.77	38072	1.00	7950	F094311C_N _ _ _ _1.0B - -	471	143TC
1.38	1266.68	43338	0.88	7950	F094312C_N _ _ _ _1.0B - -	471	143TC
3.09	565.64	19353	3.67	9750	F1043 560_N _ _ _ _1.0B - -	665	143TC
2.81	622.20	21288	3.34	9750	F1043 630_N _ _ _ _1.0B - -	665	143TC
2.45	714.97	24462	2.90	9750	F1043 710_N _ _ _ _1.0B - -	665	143TC
2.16	810.75	27739	2.56	9750	F1043 800_N _ _ _ _1.0B - -	665	143TC
1.96	894.25	30595	2.32	9750	F1043 900_N _ _ _ _1.0B - -	665	143TC
1.71	1024.10	35038	2.03	9750	F104310C_N _ _ _ _1.0B - -	665	143TC
1.53	1140.17	39009	1.82	9750	F104311C_N _ _ _ _1.0B - -	665	143TC
1.39	1256.39	42985	1.65	9750	F104312C_N _ _ _ _1.0B - -	665	143TC
1.26	1385.78	47413	1.50	9750	F104314C_N _ _ _ _1.0B - -	665	143TC
1.09	1601.19	54783	1.30	9750	F104316C_N _ _ _ _1.0B - -	665	143TC
0.98	1794.35	61391	1.16	9750	F104318C_N _ _ _ _1.0B - -	665	143TC
0.86	2025.13	69287	1.02	9750	F104320C_N _ _ _ _1.0B - -	665	143TC
0.78	2235.69	76491	0.93	9750	F104322C_N _ _ _ _1.0B - -	665	143TC
0.71	2481.31	84894	0.84	9750	F104325C_N _ _ _ _1.0B - -	665	143TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

1.5 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
296.48	5.903	311	1.72	371	F0223 5.0 _ N _ _ _ _1.5B - -	66	145TC
219.47	7.974	420	1.51	385	F0223 6.3 _ N _ _ _ _1.5B - -	66	145TC
192.96	9.069	478	1.38	386	F0223 9.0 _ N _ _ _ _1.5B - -	66	145TC
170.32	10.27	541	1.29	394	F0223 10. _ N _ _ _ _1.5B - -	66	145TC
133.18	13.14	692	1.12	403	F0223 12. _ N _ _ _ _1.5B - -	66	145TC
123.58	14.16	746	1.07	408	F0223 14. _ N _ _ _ _1.5B - -	66	145TC
97.88	17.88	942	0.92	419	F0223 16. _ N _ _ _ _1.5B - -	66	145TC
86.34	20.27	1068	0.85	428	F0223 20. _ N _ _ _ _1.5B - -	66	145TC
263.25	6.648	350	3.74	817	F0323 6.3 _ N _ _ _ _1.5B - -	71	145TC
194.87	8.980	473	3.23	839	F0323 9.0 _ N _ _ _ _1.5B - -	71	145TC
171.33	10.21	538	2.99	848	F0323 10. _ N _ _ _ _1.5B - -	71	145TC
151.23	11.57	610	2.81	859	F0323 12. _ N _ _ _ _1.5B - -	71	145TC
118.25	14.80	779	2.41	879	F0323 14. _ N _ _ _ _1.5B - -	71	145TC
109.72	15.95	840	2.31	887	F0323 16. _ N _ _ _ _1.5B - -	71	145TC
86.91	20.14	1061	1.99	916	F0323 20. _ N _ _ _ _1.5B - -	71	145TC
76.66	22.83	1202	1.81	932	F0323 22. _ N _ _ _ _1.5B - -	71	145TC
67.09	26.09	1374	1.60	956	F0323 25. _ N _ _ _ _1.5B - -	71	145TC
60.31	29.02	1528	1.45	983	F0323 28. _ N _ _ _ _1.5B - -	71	145TC
54.70	31.99	1685	1.31	1006	F0323 32. _ N _ _ _ _1.5B - -	71	145TC
49.70	35.21	1854	1.19	1022	F0323 36. _ N _ _ _ _1.5B - -	71	145TC
42.42	41.25	2173	1.00	1060	F0323 40. _ N _ _ _ _1.5B - -	71	145TC
109.34	16.01	843	3.68	1271	F0423 16. _ N _ _ _ _1.5B - -	84	145TC
89.09	19.64	1035	3.08	1276	F0423 20. _ N _ _ _ _1.5B - -	84	145TC
80.33	21.79	1147	2.81	1282	F0423 22. _ N _ _ _ _1.5B - -	84	145TC
70.71	24.75	1304	2.52	1294	F0423 25. _ N _ _ _ _1.5B - -	84	145TC
62.23	28.12	1481	2.26	1303	F0423 28. _ N _ _ _ _1.5B - -	84	145TC
56.51	30.97	1631	2.05	1303	F0423 32. _ N _ _ _ _1.5B - -	84	145TC
49.13	35.62	1876	1.85	1324	F0423 36. _ N _ _ _ _1.5B - -	84	145TC
45.19	38.72	2040	1.63	1308	F0423 40. _ N _ _ _ _1.5B - -	84	145TC
37.64	46.49	2449	1.43	1325	F0423 50. _ N _ _ _ _1.5B - -	84	145TC
31.37	55.79	2938	1.21	1344	F0423 56. _ N _ _ _ _1.5B - -	84	145TC
27.84	62.86	3311	0.96	1305	F0423 63. _ N _ _ _ _1.5B - -	84	145TC
79.29	22.07	1163	3.97	1036	F0523 22. _ N _ _ _ _1.5B - -	102	145TC
68.17	25.67	1352	3.50	1085	F0523 25. _ N _ _ _ _1.5B - -	102	145TC
60.93	28.72	1513	3.17	1124	F0523 28. _ N _ _ _ _1.5B - -	102	145TC
57.17	30.61	1612	3.00	1147	F0523 32. _ N _ _ _ _1.5B - -	102	145TC
48.24	36.28	1911	2.60	1206	F0523 36. _ N _ _ _ _1.5B - -	102	145TC
45.18	38.74	2040	2.46	1224	F0523 40. _ N _ _ _ _1.5B - -	102	145TC
36.41	48.07	2532	2.04	1301	F0523 50. _ N _ _ _ _1.5B - -	102	145TC
30.87	56.68	2985	1.77	1353	F0523 56. _ N _ _ _ _1.5B - -	102	145TC
28.20	62.06	3269	1.64	1380	F0523 63. _ N _ _ _ _1.5B - -	102	145TC
23.01	76.06	4006	1.38	1453	F0523 71. _ N _ _ _ _1.5B - -	102	145TC
20.64	84.78	4465	1.22	1507	F0523 90. _ N _ _ _ _1.5B - -	102	145TC
18.41	95.08	5008	0.95	1744	F0523 100 _ N _ _ _ _1.5B - -	102	145TC
17.02	102.79	5359	1.08	1564	F0533 100 _ N _ _ _ _1.5B - -	108	145TC
15.46	113.20	5901	0.99	1596	F0533 112 _ N _ _ _ _1.5B - -	108	145TC
13.44	130.20	6788	0.88	1645	F0533 125 _ N _ _ _ _1.5B - -	108	145TC
12.36	141.55	7379	0.82	1667	F0533 160 _ N _ _ _ _1.5B - -	108	145TC
45.45	38.50	2028	3.93	2910	F0623 40. _ N _ _ _ _1.5B - -	135	145TC
36.63	47.78	2516	3.17	3053	F0623 50. _ N _ _ _ _1.5B - -	135	145TC
31.06	56.34	2967	2.69	3161	F0623 56. _ N _ _ _ _1.5B - -	135	145TC
28.37	61.69	3249	2.45	3233	F0623 63. _ N _ _ _ _1.5B - -	135	145TC
23.15	75.60	3982	1.95	3260	F0623 71. _ N _ _ _ _1.5B - -	135	145TC
20.77	84.26	4438	1.22	3260	F0623 90. _ N _ _ _ _1.5B - -	135	145TC
18.52	94.50	4977	0.85	3260	F0623 100 _ N _ _ _ _1.5B - -	135	145TC
17.13	102.17	5326	1.48	3260	F0633 100 _ N _ _ _ _1.5B - -	139	145TC
15.55	112.51	5865	1.36	3260	F0633 112 _ N _ _ _ _1.5B - -	139	145TC
13.52	129.41	6746	1.18	3260	F0633 125 _ N _ _ _ _1.5B - -	139	145TC
12.44	140.70	7335	1.09	3260	F0633 160 _ N _ _ _ _1.5B - -	139	145TC
10.36	168.90	8805	0.91	3260	F0633 180 _ N _ _ _ _1.5B - -	139	145TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

F

1.5 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
23.75	73.68	3881	3.56	3600	F0723 71. _ N _ _ _ _1.5B - -	188	145TC
20.64	84.78	4465	2.42	3600	F0723 90. _ N _ _ _ _1.5B - -	188	145TC
18.58	94.20	4961	1.85	3600	F0723 100 _ N _ _ _ _1.5B - -	188	145TC
22.15	78.99	4118	2.87	3600	F0733 80. _ N _ _ _ _1.5B - -	197	145TC
19.05	91.87	4789	2.59	3600	F0733 90. _ N _ _ _ _1.5B - -	197	145TC
17.02	102.79	5359	2.48	3600	F0733 100 _ N _ _ _ _1.5B - -	197	145TC
15.97	109.56	5711	2.33	3600	F0733 112 _ N _ _ _ _1.5B - -	197	145TC
13.48	129.84	6769	2.04	3600	F0733 125 _ N _ _ _ _1.5B - -	197	145TC
12.62	138.63	7227	1.95	3600	F0733 160 _ N _ _ _ _1.5B - -	197	145TC
10.17	172.03	8968	1.67	3600	F0733 180 _ N _ _ _ _1.5B - -	197	145TC
8.63	202.86	10575	1.42	3600	F0733 200 _ N _ _ _ _1.5B - -	197	145TC
7.88	222.12	11579	1.30	3600	F0733 225 _ N _ _ _ _1.5B - -	197	145TC
6.43	272.22	14191	1.06	3600	F0733 280 _ N _ _ _ _1.5B - -	197	145TC
5.77	303.41	15817	0.95	3600	F0733 320 _ N _ _ _ _1.5B - -	197	145TC
5.14	340.28	17739	0.85	3600	F0733 360 _ N _ _ _ _1.5B - -	197	145TC
12.23	143.09	7460	3.62	4000	F0833 160 _ N _ _ _ _1.5B - -	283	145TC
10.09	173.46	9043	2.99	4000	F0833 180 _ N _ _ _ _1.5B - -	283	145TC
8.65	202.29	10545	2.56	4000	F0833 200 _ N _ _ _ _1.5B - -	283	145TC
7.88	222.21	11584	2.33	4000	F0833 225 _ N _ _ _ _1.5B - -	283	145TC
6.43	272.31	14196	1.90	4000	F0833 280 _ N _ _ _ _1.5B - -	283	145TC
5.89	297.37	15502	1.74	4000	F0833 320 _ N _ _ _ _1.5B - -	283	145TC
5.11	342.42	17851	1.51	4000	F0833 360 _ N _ _ _ _1.5B - -	283	145TC
4.50	388.52	19939	1.35	4000	F0843 400 _ N _ _ _ _1.5B - -	320	145TC
3.98	439.55	22558	1.20	4000	F0843 450 _ N _ _ _ _1.5B - -	320	145TC
3.53	496.15	25463	1.06	4000	F0843 500 _ N _ _ _ _1.5B - -	320	145TC
3.03	577.06	29615	0.91	4000	F0843 560 _ N _ _ _ _1.5B - -	320	145TC
2.91	601.45	30867	0.87	4000	F0843 630 _ N _ _ _ _1.5B - -	320	145TC
8.41	207.96	10841	3.51	7950	F0933 200 _ N _ _ _ _1.5B - -	446	145TC
7.66	228.44	11909	3.19	7950	F0933 225 _ N _ _ _ _1.5B - -	446	145TC
6.25	279.95	14594	2.60	7950	F0933 280 _ N _ _ _ _1.5B - -	446	145TC
5.72	305.71	15937	2.38	7950	F0933 320 _ N _ _ _ _1.5B - -	446	145TC
4.97	352.02	18351	2.07	7950	F0933 360 _ N _ _ _ _1.5B - -	446	145TC
4.24	413.16	21203	1.79	7950	F0943 400 _ N _ _ _ _1.5B - -	481	145TC
3.81	459.91	23603	1.61	7950	F0943 450 _ N _ _ _ _1.5B - -	481	145TC
3.42	510.96	26223	1.45	7950	F0943 500 _ N _ _ _ _1.5B - -	481	145TC
3.05	573.03	29408	1.29	7950	F0943 560 _ N _ _ _ _1.5B - -	481	145TC
2.74	637.88	32736	1.16	7950	F0943 630 _ N _ _ _ _1.5B - -	481	145TC
2.47	708.68	36370	1.04	7950	F0943 710 _ N _ _ _ _1.5B - -	481	145TC
2.17	807.14	41423	0.92	7950	F0943 800 _ N _ _ _ _1.5B - -	481	145TC
1.95	896.74	46021	0.83	7950	F0943 900 _ N _ _ _ _1.5B - -	481	145TC
4.25	411.35	21110	3.36	9750	F1043 400 _ N _ _ _ _1.5B - -	446	145TC
3.82	457.90	23500	3.02	9750	F1043 450 _ N _ _ _ _1.5B - -	446	145TC
3.44	508.73	26108	2.72	9750	F1043 500 _ N _ _ _ _1.5B - -	446	145TC
3.09	565.64	29029	2.45	9750	F1043 560 _ N _ _ _ _1.5B - -	446	145TC
2.81	622.20	31932	2.22	9750	F1043 630 _ N _ _ _ _1.5B - -	446	145TC
2.45	714.97	36692	1.94	9750	F1043 710 _ N _ _ _ _1.5B - -	446	145TC
2.16	810.75	41608	1.71	9750	F1043 800 _ N _ _ _ _1.5B - -	446	145TC
1.96	894.25	45893	1.55	9750	F1043 900 _ N _ _ _ _1.5B - -	446	145TC
1.71	1024.10	52557	1.35	9750	F1043 10C _ N _ _ _ _1.5B - -	446	145TC
1.53	1140.17	58514	1.21	9750	F1043 11C _ N _ _ _ _1.5B - -	446	145TC
1.39	1256.39	64478	1.10	9750	F1043 12C _ N _ _ _ _1.5B - -	446	145TC
1.26	1385.78	71119	1.00	9750	F1043 14C _ N _ _ _ _1.5B - -	446	145TC
1.09	1601.19	82174	0.86	9750	F1043 16C _ N _ _ _ _1.5B - -	446	145TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

2.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
296.48	5.903	415	1.29	340	F0223 5.0 _ N _ _ _ _2.0B - -	66	145TC
219.47	7.974	560	1.13	353	F0223 6.3 _ N _ _ _ _2.0B - -	66	145TC
192.96	9.069	637	1.04	354	F0223 9.0 _ N _ _ _ _2.0B - -	66	145TC
170.32	10.27	722	0.97	361	F0223 10. _ N _ _ _ _2.0B - -	66	145TC
133.18	13.14	923	0.84	370	F0223 12. _ N _ _ _ _2.0B - -	66	145TC
123.58	14.16	995	0.80	374	F0223 14. _ N _ _ _ _2.0B - -	66	145TC
263.25	6.65	467	2.81	750	F0323 6.3 _ N _ _ _ _2.0B - -	71	145TC
194.87	8.98	631	2.43	770	F0323 9.0 _ N _ _ _ _2.0B - -	71	145TC
171.33	10.21	717	2.24	777	F0323 10. _ N _ _ _ _2.0B - -	71	145TC
151.23	11.57	813	2.10	788	F0323 12. _ N _ _ _ _2.0B - -	71	145TC
118.25	14.80	1039	1.81	806	F0323 14. _ N _ _ _ _2.0B - -	71	145TC
109.72	15.95	1120	1.73	814	F0323 16. _ N _ _ _ _2.0B - -	71	145TC
86.91	20.14	1414	1.49	840	F0323 20. _ N _ _ _ _2.0B - -	71	145TC
76.66	22.83	1603	1.36	855	F0323 22. _ N _ _ _ _2.0B - -	71	145TC
67.09	26.09	1832	1.20	877	F0323 25. _ N _ _ _ _2.0B - -	71	145TC
60.31	29.02	2038	1.08	902	F0323 28. _ N _ _ _ _2.0B - -	71	145TC
54.70	31.99	2247	0.98	922	F0323 32. _ N _ _ _ _2.0B - -	71	145TC
49.70	35.21	2473	0.89	938	F0323 36. _ N _ _ _ _2.0B - -	71	145TC
197.42	8.86	623	3.92	1069	F0423 9 _ N _ _ _ _2.0B - -	84	145TC
179.15	9.77	686	3.75	1085	F0423 10. _ N _ _ _ _2.0B - -	84	145TC
157.77	11.09	779	3.50	1107	F0423 12. _ N _ _ _ _2.0B - -	84	145TC
124.21	14.09	989	3.07	1148	F0423 14. _ N _ _ _ _2.0B - -	84	145TC
109.34	16.01	1124	2.76	1166	F0423 16. _ N _ _ _ _2.0B - -	84	145TC
89.09	19.64	1379	2.31	1170	F0423 20. _ N _ _ _ _2.0B - -	84	145TC
80.33	21.79	1530	2.11	1176	F0423 22. _ N _ _ _ _2.0B - -	84	145TC
70.71	24.75	1738	1.89	1187	F0423 25. _ N _ _ _ _2.0B - -	84	145TC
62.23	28.12	1975	1.70	1195	F0423 28. _ N _ _ _ _2.0B - -	84	145TC
56.51	30.97	2175	1.54	1195	F0423 32. _ N _ _ _ _2.0B - -	84	145TC
49.13	35.62	2501	1.39	1214	F0423 36. _ N _ _ _ _2.0B - -	84	145TC
45.19	38.72	2720	1.22	1200	F0423 40. _ N _ _ _ _2.0B - -	84	145TC
37.64	46.49	3265	1.07	1215	F0423 50. _ N _ _ _ _2.0B - -	84	145TC
31.37	55.79	3918	0.91	1233	F0423 56. _ N _ _ _ _2.0B - -	84	145TC
79.29	22.07	1550	2.97	950	F0523 22. _ N _ _ _ _2.0B - -	102	145TC
68.17	25.67	1803	2.62	995	F0523 25. _ N _ _ _ _2.0B - -	102	145TC
60.93	28.72	2017	2.38	1031	F0523 28. _ N _ _ _ _2.0B - -	102	145TC
57.17	30.61	2150	2.25	1052	F0523 32. _ N _ _ _ _2.0B - -	102	145TC
48.24	36.28	2548	1.95	1106	F0523 36. _ N _ _ _ _2.0B - -	102	145TC
45.18	38.74	2720	1.84	1123	F0523 40. _ N _ _ _ _2.0B - -	102	145TC
36.41	48.07	3376	1.53	1193	F0523 50. _ N _ _ _ _2.0B - -	102	145TC
30.87	56.68	3981	1.33	1242	F0523 56. _ N _ _ _ _2.0B - -	102	145TC
28.20	62.06	4359	1.23	1266	F0523 63. _ N _ _ _ _2.0B - -	102	145TC
23.01	76.06	5342	1.03	1333	F0523 71. _ N _ _ _ _2.0B - -	102	145TC
20.64	84.78	5954	0.91	1382	F0523 90. _ N _ _ _ _2.0B - -	102	145TC
61.30	28.55	2005	3.92	2471	F0623 28. _ N _ _ _ _2.0B - -	135	145TC
57.52	30.43	2137	3.73	2508	F0623 32. _ N _ _ _ _2.0B - -	135	145TC
48.53	36.06	2532	3.15	2624	F0623 36. _ N _ _ _ _2.0B - -	135	145TC
45.45	38.50	2704	2.95	2669	F0623 40. _ N _ _ _ _2.0B - -	135	145TC
36.63	47.78	3355	2.38	2800	F0623 50. _ N _ _ _ _2.0B - -	135	145TC
31.06	56.34	3956	2.01	2899	F0623 56. _ N _ _ _ _2.0B - -	135	145TC
28.37	61.69	4332	1.84	2966	F0623 63. _ N _ _ _ _2.0B - -	135	145TC
23.15	75.60	5309	1.46	3260	F0623 71. _ N _ _ _ _2.0B - -	135	145TC
20.77	84.26	5918	0.92	3175	F0623 90. _ N _ _ _ _2.0B - -	135	145TC
18.52	94.50	6637	0.64	2850	F0623 100 _ N _ _ _ _2.0B - -	135	145TC
17.13	102.17	7101	1.11	3259	F0623 100 _ N _ _ _ _2.0B - -	139	145TC
15.55	112.51	7820	1.02	3260	F0623 112 _ N _ _ _ _2.0B - -	139	145TC
13.52	129.41	8995	0.89	3260	F0623 125 _ N _ _ _ _2.0B - -	139	145TC
31.21	56.07	3938	3.81	3600	F0723 56. _ N _ _ _ _2.0B - -	188	145TC
28.50	61.40	4312	3.48	3600	F0723 63. _ N _ _ _ _2.0B - -	188	145TC
23.75	73.68	5175	2.67	3600	F0723 71. _ N _ _ _ _2.0B - -	188	145TC
20.64	84.78	5954	1.81	3600	F0723 90. _ N _ _ _ _2.0B - -	188	145TC
18.58	94.20	6615	1.39	3600	F0723 100 _ N _ _ _ _2.0B - -	188	145TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

F

2.0 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
22.15	78.99	5491	2.15	3600	F0733 80. _ N _ _ _ _2.0B - -	197	145TC
19.05	91.87	6386	1.94	3600	F0733 90. _ N _ _ _ _2.0B - -	197	145TC
17.02	102.79	7145	1.86	3600	F0733 100 _ N _ _ _ _2.0B - -	197	145TC
15.97	109.56	7615	1.75	3600	F0733 112 _ N _ _ _ _2.0B - -	197	145TC
13.48	129.84	9025	1.53	3600	F0733 125 _ N _ _ _ _2.0B - -	197	145TC
12.62	138.63	9636	1.46	3600	F0733 160 _ N _ _ _ _2.0B - -	197	145TC
10.17	172.03	11957	1.25	3600	F0733 180 _ N _ _ _ _2.0B - -	197	145TC
8.63	202.86	14100	1.06	3600	F0733 200 _ N _ _ _ _2.0B - -	197	145TC
7.88	222.12	15439	0.97	3600	F0733 225 _ N _ _ _ _2.0B - -	197	145TC
17.09	102.39	7117	3.79	4000	F0833 100 _ N _ _ _ _2.0B - -	283	145TC
15.62	112.05	7788	3.47	4000	F0833 112 _ N _ _ _ _2.0B - -	283	145TC
13.80	126.77	8811	3.06	4000	F0833 125 _ N _ _ _ _2.0B - -	283	145TC
12.23	143.09	9946	2.71	4000	F0833 160 _ N _ _ _ _2.0B - -	283	145TC
10.09	173.46	12057	2.24	4000	F0833 180 _ N _ _ _ _2.0B - -	283	145TC
8.65	202.29	14061	1.92	4000	F0833 200 _ N _ _ _ _2.0B - -	283	145TC
7.88	222.21	15445	1.75	4000	F0833 225 _ N _ _ _ _2.0B - -	283	145TC
6.43	272.31	18928	1.43	4000	F0833 280 _ N _ _ _ _2.0B - -	283	145TC
5.89	297.37	20669	1.31	4000	F0833 320 _ N _ _ _ _2.0B - -	283	145TC
5.11	342.42	23801	1.13	4000	F0833 360 _ N _ _ _ _2.0B - -	283	145TC
4.50	388.52	26585	1.02	4000	F0843 400 _ N _ _ _ _2.0B - -	320	145TC
3.98	439.55	30077	0.90	4000	F0843 450 _ N _ _ _ _2.0B - -	320	145TC
11.90	147.11	10225	3.72	7950	F0933 160 _ N _ _ _ _2.0B - -	446	145TC
9.81	178.33	12395	3.07	7950	F0933 180 _ N _ _ _ _2.0B - -	446	145TC
8.41	207.96	14455	2.63	7950	F0933 200 _ N _ _ _ _2.0B - -	446	145TC
7.66	228.44	15878	2.39	7950	F0933 225 _ N _ _ _ _2.0B - -	446	145TC
6.25	279.95	19459	1.95	7950	F0933 280 _ N _ _ _ _2.0B - -	446	145TC
5.72	305.71	21249	1.79	7950	F0933 320 _ N _ _ _ _2.0B - -	446	145TC
4.97	352.02	24468	1.55	7950	F0933 360 _ N _ _ _ _2.0B - -	446	145TC
4.24	413.16	28271	1.34	7950	F0943 400 _ N _ _ _ _2.0B - -	481	145TC
3.81	459.91	31471	1.21	7950	F0943 450 _ N _ _ _ _2.0B - -	481	145TC
3.42	510.96	34964	1.09	7950	F0943 500 _ N _ _ _ _2.0B - -	481	145TC
3.05	573.03	39211	0.97	7950	F0943 560 _ N _ _ _ _2.0B - -	481	145TC
2.74	637.88	43648	0.87	7950	F0943 630 _ N _ _ _ _2.0B - -	481	145TC
6.29	278.26	19040	3.73	9750	F1043 280 _ N _ _ _ _2.0B - -	675	145TC
5.56	314.94	21550	3.29	9750	F1043 320 _ N _ _ _ _2.0B - -	675	145TC
4.94	354.14	24233	2.93	9750	F1043 360 _ N _ _ _ _2.0B - -	675	145TC
4.25	411.35	28147	2.52	9750	F1043 400 _ N _ _ _ _2.0B - -	675	145TC
3.82	457.90	31333	2.27	9750	F1043 450 _ N _ _ _ _2.0B - -	675	145TC
3.44	508.73	34811	2.04	9750	F1043 500 _ N _ _ _ _2.0B - -	675	145TC
3.09	565.64	38705	1.83	9750	F1043 560 _ N _ _ _ _2.0B - -	675	145TC
2.81	622.20	42576	1.67	9750	F1043 630 _ N _ _ _ _2.0B - -	675	145TC
2.45	714.97	48923	1.45	9750	F1043 710 _ N _ _ _ _2.0B - -	675	145TC
2.16	810.75	55477	1.28	9750	F1043 800 _ N _ _ _ _2.0B - -	675	145TC
1.96	894.25	61191	1.16	9750	F1043 900 _ N _ _ _ _2.0B - -	675	145TC
1.71	1024.1	70077	1.01	9750	F1043 10C _ N _ _ _ _2.0B - -	675	145TC
1.53	1140.2	78018	0.91	9750	F1043 11C _ N _ _ _ _2.0B - -	675	145TC
1.39	1256.4	85971	0.83	9750	F1043 12C _ N _ _ _ _2.0B - -	675	145TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

3.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
263.25	6.648	700	1.87	664	F0323 6.3 _ N _ _ _ _3.0B - -	89	182TC
194.87	8.980	946	1.62	682	F0323 9.0 _ N _ _ _ _3.0B - -	89	182TC
171.33	10.21	1076	1.50	688	F0323 10. _ N _ _ _ _3.0B - -	89	182TC
151.23	11.57	1219	1.40	697	F0323 12. _ N _ _ _ _3.0B - -	89	182TC
118.25	14.80	1559	1.21	714	F0323 14. _ N _ _ _ _3.0B - -	89	182TC
109.72	15.95	1680	1.15	720	F0323 16. _ N _ _ _ _3.0B - -	89	182TC
276.90	6.32	666	3.05	894	F0423 6.3 _ N _ _ _ _3.0B - -	102	182TC
197.42	8.86	934	2.61	947	F0423 9.0 _ N _ _ _ _3.0B - -	102	182TC
179.15	9.77	1029	2.50	961	F0423 10. _ N _ _ _ _3.0B - -	102	182TC
157.77	11.09	1168	2.34	980	F0423 12. _ N _ _ _ _3.0B - -	102	182TC
124.21	14.09	1484	2.05	1017	F0423 14. _ N _ _ _ _3.0B - -	102	182TC
109.34	16.01	1686	1.84	1032	F0423 16. _ N _ _ _ _3.0B - -	102	182TC
89.09	19.64	2069	1.54	1036	F0423 20. _ N _ _ _ _3.0B - -	102	182TC
80.33	21.79	2295	1.41	1041	F0423 22. _ N _ _ _ _3.0B - -	102	182TC
70.71	24.75	2607	1.26	1051	F0423 25. _ N _ _ _ _3.0B - -	102	182TC
175.95	9.95	1048	3.94	619	F0523 10. _ N _ _ _ _3.0B - -	120	182TC
156.75	11.16	1176	3.57	649	F0523 12. _ N _ _ _ _3.0B - -	120	182TC
123.43	14.18	1494	2.91	717	F0523 14. _ N _ _ _ _3.0B - -	120	182TC
108.88	16.07	1693	2.61	753	F0523 16. _ N _ _ _ _3.0B - -	120	182TC
91.29	19.17	2019	2.24	802	F0523 20. _ N _ _ _ _3.0B - -	120	182TC
79.29	22.07	2325	1.98	841	F0523 22. _ N _ _ _ _3.0B - -	120	182TC
68.17	25.67	2704	1.75	881	F0523 25. _ N _ _ _ _3.0B - -	120	182TC
60.93	28.72	3026	1.59	913	F0523 28. _ N _ _ _ _3.0B - -	120	182TC
57.17	30.61	3225	1.50	932	F0523 32. _ N _ _ _ _3.0B - -	120	182TC
48.24	36.28	3822	1.30	979	F0523 36. _ N _ _ _ _3.0B - -	120	182TC
45.18	38.74	4080	1.23	994	F0523 40. _ N _ _ _ _3.0B - -	120	182TC
36.41	48.07	5063	1.02	1057	F0523 50. _ N _ _ _ _3.0B - -	120	182TC
30.87	56.68	5971	0.89	1099	F0523 56. _ N _ _ _ _3.0B - -	120	182TC
28.20	62.06	6538	0.82	1121	F0523 63. _ N _ _ _ _3.0B - -	120	182TC
91.85	19.05	2007	3.89	1938	F0623 20. _ N _ _ _ _3.0B - -	153	182TC
79.77	21.94	2311	2.86	2193	F0623 22. _ N _ _ _ _3.0B - -	153	182TC
68.59	25.52	2688	2.78	2175	F0623 25. _ N _ _ _ _3.0B - -	153	182TC
61.30	28.55	3007	2.61	2188	F0623 28. _ N _ _ _ _3.0B - -	153	182TC
57.52	30.43	3205	2.49	2221	F0623 32. _ N _ _ _ _3.0B - -	153	182TC
48.53	36.06	3799	2.10	2323	F0623 36. _ N _ _ _ _3.0B - -	153	182TC
45.45	38.50	4056	1.97	2364	F0623 40. _ N _ _ _ _3.0B - -	153	182TC
36.63	47.78	5033	1.58	2479	F0623 50. _ N _ _ _ _3.0B - -	153	182TC
31.06	56.34	5935	1.34	2567	F0623 56. _ N _ _ _ _3.0B - -	153	182TC
28.37	61.69	6498	1.23	2626	F0623 63. _ N _ _ _ _3.0B - -	153	182TC
23.15	75.60	7964	0.97	2987	F0623 71. _ N _ _ _ _3.0B - -	153	182TC
48.80	35.86	3778	3.97	3040	F0723 36. _ N _ _ _ _3.0B - -	206	182TC
43.16	40.55	4271	3.51	3178	F0723 40. _ N _ _ _ _3.0B - -	206	182TC
37.23	47.01	4952	3.03	3333	F0723 50. _ N _ _ _ _3.0B - -	206	182TC
31.21	56.07	5907	2.54	3505	F0723 56. _ N _ _ _ _3.0B - -	206	182TC
28.50	61.40	6468	2.32	3591	F0723 63. _ N _ _ _ _3.0B - -	206	182TC
23.75	73.68	7762	1.78	3600	F0723 71. _ N _ _ _ _3.0B - -	206	182TC
20.64	84.78	8931	1.21	3600	F0723 90. _ N _ _ _ _3.0B - -	206	182TC
18.58	94.20	9923	0.93	3600	F0723 100 _ N _ _ _ _3.0B - -	206	182TC
22.15	78.99	8236	1.43	3600	F0733 80. _ N _ _ _ _3.0B - -	215	182TC
19.05	91.87	9579	1.29	3600	F0733 90. _ N _ _ _ _3.0B - -	215	182TC
17.02	102.79	10717	1.24	3600	F0733 100 _ N _ _ _ _3.0B - -	215	182TC
15.97	109.56	11423	1.16	3600	F0733 112 _ N _ _ _ _3.0B - -	215	182TC
13.48	129.84	13537	1.02	3600	F0733 125 _ N _ _ _ _3.0B - -	215	182TC
12.62	138.63	14454	0.98	3600	F0733 160 _ N _ _ _ _3.0B - -	215	182TC
10.17	172.03	17936	0.84	3600	F0733 180 _ N _ _ _ _3.0B - -	215	182TC
23.23	75.32	7934	3.40	4000	F0823 71. _ N _ _ _ _3.0B - -	290	182TC
21.28	82.25	8664	3.12	4000	F0823 90. _ N _ _ _ _3.0B - -	290	182TC
18.48	94.71	9977	2.08	4000	F0823 100 _ N _ _ _ _3.0B - -	290	182TC
17.09	102.39	10675	2.53	4000	F0833 100 _ N _ _ _ _3.0B - -	301	182TC
15.62	112.05	11683	2.31	4000	F0833 112 _ N _ _ _ _3.0B - -	301	182TC
13.80	126.77	13217	2.04	4000	F0833 125 _ N _ _ _ _3.0B - -	301	182TC
12.23	143.09	14919	1.81	4000	F0833 160 _ N _ _ _ _3.0B - -	301	182TC
10.09	173.46	18086	1.49	4000	F0833 180 _ N _ _ _ _3.0B - -	301	182TC
8.65	202.29	21091	1.28	4000	F0833 200 _ N _ _ _ _3.0B - -	301	182TC
7.88	222.21	23168	1.17	4000	F0833 225 _ N _ _ _ _3.0B - -	301	182TC
6.43	272.31	28392	0.95	4000	F0833 280 _ N _ _ _ _3.0B - -	301	182TC
5.89	297.37	31004	0.87	4000	F0833 320 _ N _ _ _ _3.0B - -	301	182TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

F

F

3.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
16.63	105.26	10975	3.46	7950	F0933 100 _ N _ _ _ _3.0B - -	464	182TC
15.19	115.19	12010	3.16	7950	F0933 112 _ N _ _ _ _3.0B - -	464	182TC
13.43	130.32	13588	2.80	7950	F0933 125 _ N _ _ _ _3.0B - -	464	182TC
11.90	147.11	15338	2.48	7950	F0933 160 _ N _ _ _ _3.0B - -	464	182TC
9.81	178.33	18593	2.04	7950	F0933 180 _ N _ _ _ _3.0B - -	464	182TC
8.41	207.96	21682	1.75	7950	F0933 200 _ N _ _ _ _3.0B - -	464	182TC
7.66	228.44	23817	1.60	7950	F0933 225 _ N _ _ _ _3.0B - -	464	182TC
6.25	279.95	29188	1.30	7950	F0933 280 _ N _ _ _ _3.0B - -	464	182TC
5.72	305.71	31873	1.19	7950	F0933 320 _ N _ _ _ _3.0B - -	464	182TC
4.97	352.02	36703	1.04	7950	F0933 360 _ N _ _ _ _3.0B - -	464	182TC
9.75	179.56	18721	3.79	9750	F1033 180 _ N _ _ _ _3.0B - -	638	182TC
8.44	207.38	21621	3.28	9750	F1033 200 _ N _ _ _ _3.0B - -	638	182TC
7.64	228.94	23869	2.97	9750	F1033 225 _ N _ _ _ _3.0B - -	638	182TC
6.29	278.26	29011	2.45	9750	F1033 280 _ N _ _ _ _3.0B - -	638	182TC
5.56	314.94	32836	2.16	9750	F1033 320 _ N _ _ _ _3.0B - -	638	182TC
4.94	354.14	36923	1.92	9750	F1033 360 _ N _ _ _ _3.0B - -	638	182TC
4.25	411.35	42221	1.68	9750	F1043 400 _ N _ _ _ _3.0B - -	693	182TC
3.82	457.90	46999	1.51	9750	F1043 450 _ N _ _ _ _3.0B - -	693	182TC
3.44	508.73	52216	1.36	9750	F1043 500 _ N _ _ _ _3.0B - -	693	182TC
3.09	565.64	58058	1.22	9750	F1043 560 _ N _ _ _ _3.0B - -	693	182TC
2.81	622.20	63863	1.11	9750	F1043 630 _ N _ _ _ _3.0B - -	693	182TC
2.45	714.97	73385	0.97	9750	F1043 710 _ N _ _ _ _3.0B - -	693	182TC

5.0 HP

4 Pole 1750 rpm nominal input speed

263.25	6.648	1167	1.12	569	F0323 6.3 _ N _ _ _ _5.0B - -	111	184TC
194.87	8.980	1577	0.97	585	F0323 9.0 _ N _ _ _ _5.0B - -	111	184TC
171.33	10.214	1793	0.90	591	F0323 10. _ N _ _ _ _5.0B - -	111	184TC
151.23	11.57	2032	0.84	598	F0323 12. _ N _ _ _ _5.0B - -	111	184TC
276.90	6.32	1110	1.83	767	F0423 6.3 _ N _ _ _ _5.0B - -	124	184TC
197.42	8.86	1556	1.57	812	F0423 9.0 _ N _ _ _ _5.0B - -	124	184TC
179.15	9.77	1715	1.50	824	F0423 10. _ N _ _ _ _5.0B - -	124	184TC
157.77	11.09	1947	1.40	841	F0423 12. _ N _ _ _ _5.0B - -	124	184TC
124.21	14.09	2474	1.23	872	F0423 14. _ N _ _ _ _5.0B - -	124	184TC
109.34	16.01	2810	1.10	886	F0423 16. _ N _ _ _ _5.0B - -	124	184TC
89.09	19.64	3449	0.92	889	F0423 20. _ N _ _ _ _5.0B - -	124	184TC
80.33	21.79	3825	0.84	894	F0423 22. _ N _ _ _ _5.0B - -	124	184TC
277.27	6.31	1108	3.50	415	F0523 6.3 _ N _ _ _ _5.0B - -	142	184TC
197.21	8.87	1558	2.61	433	F0523 9.0 _ N _ _ _ _5.0B - -	142	184TC
175.95	9.95	1746	2.37	531	F0523 10. _ N _ _ _ _5.0B - -	142	184TC
156.75	11.16	1960	2.14	557	F0523 12. _ N _ _ _ _5.0B - -	142	184TC
123.43	14.18	2489	1.75	615	F0523 14. _ N _ _ _ _5.0B - -	142	184TC
108.88	16.07	2822	1.57	646	F0523 16. _ N _ _ _ _5.0B - -	142	184TC
91.29	19.17	3365	1.34	688	F0523 20. _ N _ _ _ _5.0B - -	142	184TC
79.29	22.07	3875	1.19	722	F0523 22. _ N _ _ _ _5.0B - -	142	184TC
68.17	25.67	4507	1.05	756	F0523 25. _ N _ _ _ _5.0B - -	142	184TC
60.93	28.72	5043	0.95	783	F0523 28. _ N _ _ _ _5.0B - -	142	184TC
57.17	30.61	5375	0.90	799	F0523 32. _ N _ _ _ _5.0B - -	142	184TC
198.41	8.82	1549	3.50	1689	F0623 9.0 _ N _ _ _ _5.0B - -	175	184TC
177.02	9.89	1736	3.32	1662	F0623 10. _ N _ _ _ _5.0B - -	175	184TC
157.71	11.10	1948	3.13	1633	F0623 12. _ N _ _ _ _5.0B - -	175	184TC
124.18	14.09	2474	2.76	1627	F0623 14. _ N _ _ _ _5.0B - -	175	184TC
109.55	15.98	2805	2.57	1647	F0623 16. _ N _ _ _ _5.0B - -	175	184TC
91.85	19.05	3345	2.33	1663	F0623 20. _ N _ _ _ _5.0B - -	175	184TC
79.77	21.94	3852	1.72	1881	F0623 22. _ N _ _ _ _5.0B - -	175	184TC
68.59	25.52	4480	1.67	1866	F0623 25. _ N _ _ _ _5.0B - -	175	184TC
61.30	28.55	5012	1.57	1877	F0623 28. _ N _ _ _ _5.0B - -	175	184TC
57.52	30.43	5342	1.49	1906	F0623 32. _ N _ _ _ _5.0B - -	175	184TC
48.53	36.06	6331	1.26	1993	F0623 36. _ N _ _ _ _5.0B - -	175	184TC
45.45	38.50	6759	1.18	2028	F0623 40. _ N _ _ _ _5.0B - -	175	184TC
36.63	47.78	8388	0.95	2127	F0623 50. _ N _ _ _ _5.0B - -	175	184TC
31.06	56.34	9891	0.81	2203	F0623 56. _ N _ _ _ _5.0B - -	175	184TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

5.0 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
88.35	19.81	3478	3.65	2360	F0723 20. _ N _ _ _ _5.0B - -	228	184TC
80.32	21.79	3825	3.48	2369	F0723 22. _ N _ _ _ _5.0B - -	228	184TC
69.90	25.04	4396	3.28	2356	F0723 25. _ N _ _ _ _5.0B - -	228	184TC
61.64	28.39	4985	3.01	2394	F0723 28. _ N _ _ _ _5.0B - -	228	184TC
55.88	31.32	5498	2.73	2486	F0723 32. _ N _ _ _ _5.0B - -	228	184TC
48.80	35.86	6296	2.38	2608	F0723 36. _ N _ _ _ _5.0B - -	228	184TC
43.16	40.55	7119	2.11	2726	F0723 40. _ N _ _ _ _5.0B - -	228	184TC
37.23	47.01	8254	1.82	2859	F0723 50. _ N _ _ _ _5.0B - -	228	184TC
31.21	56.07	9844	1.52	3007	F0723 56. _ N _ _ _ _5.0B - -	228	184TC
28.50	61.40	10781	1.39	3081	F0723 63. _ N _ _ _ _5.0B - -	228	184TC
23.75	73.68	12937	1.07	3426	F0723 71. _ N _ _ _ _5.0B - -	228	184TC
56.46	30.99	5441	3.75	3077	F0823 32. _ N _ _ _ _5.0B - -	312	184TC
49.91	35.06	6156	3.57	3048	F0823 36. _ N _ _ _ _5.0B - -	312	184TC
44.22	39.58	6949	3.31	3064	F0823 40. _ N _ _ _ _5.0B - -	312	184TC
36.47	47.98	8424	2.97	3091	F0823 50. _ N _ _ _ _5.0B - -	312	184TC
31.28	55.95	9824	2.68	3171	F0823 56. _ N _ _ _ _5.0B - -	312	184TC
28.47	61.46	10791	2.48	3258	F0823 63. _ N _ _ _ _5.0B - -	312	184TC
23.23	75.32	13224	2.04	3456	F0823 71. _ N _ _ _ _5.0B - -	312	184TC
21.28	82.25	14441	1.87	3752	F0823 90. _ N _ _ _ _5.0B - -	312	184TC
18.48	94.71	16629	1.25	4000	F0823 100 _ N _ _ _ _5.0B - -	312	184TC
17.09	102.39	17792	1.52	3933	F0833 100 _ N _ _ _ _5.0B - -	360	184TC
15.62	112.05	19471	1.39	4000	F0833 112 _ N _ _ _ _5.0B - -	360	184TC
13.80	126.77	22028	1.23	4000	F0833 125 _ N _ _ _ _5.0B - -	360	184TC
12.23	143.09	24865	1.09	4000	F0833 160 _ N _ _ _ _5.0B - -	360	184TC
10.09	173.46	30143	0.90	4000	F0833 180 _ N _ _ _ _5.0B - -	360	184TC
30.39	57.58	10109	3.76	7950	F0923 56. _ N _ _ _ _5.0B - -	467	184TC
27.53	63.56	11160	3.41	7950	F0923 63. _ N _ _ _ _5.0B - -	467	184TC
22.65	77.26	13564	2.80	7950	F0923 71. _ N _ _ _ _5.0B - -	467	184TC
20.01	87.44	15352	2.48	7950	F0923 90. _ N _ _ _ _5.0B - -	467	184TC
17.80	98.32	17263	2.20	7950	F0923 100 _ N _ _ _ _5.0B - -	467	184TC
16.63	105.26	18291	2.08	7950	F0933 100 _ N _ _ _ _5.0B - -	486	184TC
15.19	115.19	20017	1.90	7950	F0933 112 _ N _ _ _ _5.0B - -	486	184TC
13.43	130.32	22646	1.68	7950	F0933 125 _ N _ _ _ _5.0B - -	486	184TC
11.90	147.11	25563	1.49	7950	F0933 160 _ N _ _ _ _5.0B - -	486	184TC
9.81	178.33	30988	1.23	7950	F0933 180 _ N _ _ _ _5.0B - -	486	184TC
8.41	207.96	36137	1.05	7950	F0933 200 _ N _ _ _ _5.0B - -	486	184TC
7.66	228.44	39696	0.96	7950	F0933 225 _ N _ _ _ _5.0B - -	486	184TC
16.69	104.86	18222	3.90	9750	F1033 100 _ N _ _ _ _5.0B - -	660	184TC
14.74	118.71	20628	3.44	9750	F1033 112 _ N _ _ _ _5.0B - -	660	184TC
13.24	132.14	22962	3.09	9750	F1033 125 _ N _ _ _ _5.0B - -	660	184TC
11.92	146.81	25511	2.78	9750	F1033 160 _ N _ _ _ _5.0B - -	660	184TC
9.75	179.56	31202	2.28	9750	F1033 180 _ N _ _ _ _5.0B - -	660	184TC
8.44	207.38	36036	1.97	9750	F1033 200 _ N _ _ _ _5.0B - -	660	184TC
7.64	228.94	39782	1.78	9750	F1033 225 _ N _ _ _ _5.0B - -	660	184TC
6.29	278.26	48352	1.47	9750	F1033 280 _ N _ _ _ _5.0B - -	660	184TC
5.56	314.94	54727	1.30	9750	F1033 320 _ N _ _ _ _5.0B - -	660	184TC
4.94	354.14	61539	1.15	9750	F1033 360 _ N _ _ _ _5.0B - -	660	184TC
4.25	411.35	71479	0.99	9730	F1033 400 _ N _ _ _ _5.0B - -	660	184TC
3.82	457.90	79569	0.89	9750	F1033 450 _ N _ _ _ _5.0B - -	660	184TC
3.44	508.73	88401	0.80	9750	F1033 500 _ N _ _ _ _5.0B - -	660	184TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

7.5 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
277.27	6.312	1662	2.33	368	F0523 6.3 _ N _ _ _ _7.5B - -	180	213TC
197.21	8.874	2337	1.74	384	F0523 9.0 _ N _ _ _ _7.5B - -	180	213TC
175.95	9.946	2619	1.58	470	F0523 10. _ N _ _ _ _7.5B - -	180	213TC
156.75	11.16	2940	1.43	493	F0523 12. _ N _ _ _ _7.5B - -	180	213TC
123.43	14.18	3734	1.17	544	F0523 14. _ N _ _ _ _7.5B - -	180	213TC
108.88	16.07	4233	1.04	572	F0523 16. _ N _ _ _ _7.5B - -	180	213TC
91.29	19.17	5048	0.90	609	F0523 20. _ N _ _ _ _7.5B - -	180	213TC
278.96	6.273	1652	2.70	1576	F0623 6.3 _ N _ _ _ _7.5B - -	213	213TC
198.41	8.820	2323	2.33	1496	F0623 9.0 _ N _ _ _ _7.5B - -	213	213TC
177.02	9.886	2603	2.21	1472	F0623 10. _ N _ _ _ _7.5B - -	213	213TC
157.71	11.10	2922	2.08	1446	F0623 12. _ N _ _ _ _7.5B - -	213	213TC
124.18	14.09	3711	1.84	1440	F0623 14. _ N _ _ _ _7.5B - -	213	213TC
109.55	15.98	4207	1.72	1458	F0623 16. _ N _ _ _ _7.5B - -	213	213TC
91.85	19.05	5018	1.55	1473	F0623 20. _ N _ _ _ _7.5B - -	213	213TC
175.18	9.99	2631	3.99	1969	F0723 10. _ N _ _ _ _7.5B - -	266	213TC
159.32	10.98	2893	3.87	1921	F0723 12. _ N _ _ _ _7.5B - -	266	213TC
121.98	14.35	3778	3.26	1881	F0723 14. _ N _ _ _ _7.5B - -	266	213TC
107.28	16.31	4296	3.00	1905	F0723 16. _ N _ _ _ _7.5B - -	266	213TC
88.35	19.81	5216	2.43	2090	F0723 20. _ N _ _ _ _7.5B - -	266	213TC
80.32	21.79	5738	2.32	2098	F0723 22. _ N _ _ _ _7.5B - -	266	213TC
69.90	25.04	6594	2.18	2086	F0723 25. _ N _ _ _ _7.5B - -	266	213TC
61.64	28.39	7477	2.01	2120	F0723 28. _ N _ _ _ _7.5B - -	266	213TC
55.88	31.32	8247	1.82	2202	F0723 32. _ N _ _ _ _7.5B - -	266	213TC
48.80	35.86	9445	1.59	2309	F0723 36. _ N _ _ _ _7.5B - -	266	213TC
43.16	40.55	10678	1.40	2414	F0723 40. _ N _ _ _ _7.5B - -	266	213TC
37.23	47.01	12380	1.21	2532	F0723 50. _ N _ _ _ _7.5B - -	266	213TC
31.21	56.07	14767	1.02	2662	F0723 56. _ N _ _ _ _7.5B - -	266	213TC
28.50	61.40	16171	0.93	2728	F0723 63. _ N _ _ _ _7.5B - -	266	213TC
79.79	21.93	5776	3.77	2145	F0823 22. _ N _ _ _ _7.5B - -	350	213TC
68.54	25.53	6724	3.41	2181	F0823 25. _ N _ _ _ _7.5B - -	350	213TC
61.79	28.32	7458	2.86	2521	F0823 28. _ N _ _ _ _7.5B - -	350	213TC
56.46	30.99	8162	2.50	2725	F0823 32. _ N _ _ _ _7.5B - -	350	213TC
49.91	35.06	9234	2.38	2699	F0823 36. _ N _ _ _ _7.5B - -	350	213TC
44.22	39.58	10423	2.21	2714	F0823 40. _ N _ _ _ _7.5B - -	350	213TC
36.47	47.98	12636	1.98	2737	F0823 50. _ N _ _ _ _7.5B - -	350	213TC
31.28	55.95	14735	1.78	2808	F0823 56. _ N _ _ _ _7.5B - -	350	213TC
28.47	61.46	16186	1.66	2885	F0823 63. _ N _ _ _ _7.5B - -	350	213TC
23.23	75.32	19836	1.36	3060	F0823 71. _ N _ _ _ _7.5B - -	350	213TC
21.28	82.25	21661	1.25	3323	F0823 90. _ N _ _ _ _7.5B - -	350	213TC
18.48	94.71	24943	0.83	3788	F0823 100 _ N _ _ _ _7.5B - -	350	213TC
17.09	102.39	26688	1.01	3482	F0833 100 _ N _ _ _ _7.5B - -	361	213TC
15.62	112.05	29206	0.92	3585	F0833 112 _ N _ _ _ _7.5B - -	361	213TC
13.80	126.77	33043	0.82	3718	F0833 125 _ N _ _ _ _7.5B - -	361	213TC
47.70	36.69	9662	3.93	7950	F0923 36. _ N _ _ _ _7.5B - -	505	213TC
42.93	40.76	10735	3.54	7950	F0923 40. _ N _ _ _ _7.5B - -	505	213TC
35.10	49.85	13129	2.89	7950	F0923 50. _ N _ _ _ _7.5B - -	505	213TC
30.39	57.58	15163	2.51	7950	F0923 56. _ N _ _ _ _7.5B - -	505	213TC
27.53	63.56	16739	2.27	7950	F0923 63. _ N _ _ _ _7.5B - -	505	213TC
22.65	77.26	20345	1.87	7950	F0923 71. _ N _ _ _ _7.5B - -	505	213TC
20.01	87.44	23028	1.65	7950	F0923 90. _ N _ _ _ _7.5B - -	505	213TC
17.80	98.32	25894	1.47	7950	F0923 100 _ N _ _ _ _7.5B - -	505	213TC
16.63	105.26	27437	1.39	7950	F0933 100 _ N _ _ _ _7.5B - -	524	213TC
15.19	115.19	30026	1.27	7950	F0933 112 _ N _ _ _ _7.5B - -	524	213TC
13.43	130.32	33969	1.12	7950	F0933 125 _ N _ _ _ _7.5B - -	524	213TC
11.90	147.11	38344	0.99	7950	F0933 160 _ N _ _ _ _7.5B - -	524	213TC
9.81	178.33	46482	0.82	7950	F0933 180 _ N _ _ _ _7.5B - -	524	213TC
23.39	74.83	19706	3.60	9750	F1023 71. _ N _ _ _ _7.5B - -	678	213TC
20.07	87.21	22968	3.09	9750	F1023 90. _ N _ _ _ _7.5B - -	678	213TC
18.68	93.70	24677	2.88	9750	F1023 100 _ N _ _ _ _7.5B - -	678	213TC
16.69	104.86	27333	2.60	9750	F1033 100 _ N _ _ _ _7.5B - -	698	213TC
14.74	118.71	30942	2.29	9750	F1033 112 _ N _ _ _ _7.5B - -	698	213TC
13.24	132.14	34443	2.06	9750	F1033 125 _ N _ _ _ _7.5B - -	698	213TC
11.92	146.81	38267	1.86	9750	F1033 160 _ N _ _ _ _7.5B - -	698	213TC
9.75	179.56	46803	1.52	9750	F1033 180 _ N _ _ _ _7.5B - -	698	213TC
8.44	207.38	54053	1.31	9750	F1033 200 _ N _ _ _ _7.5B - -	698	213TC
7.64	228.94	59673	1.19	9750	F1033 225 _ N _ _ _ _7.5B - -	698	213TC
6.29	278.26	72528	0.98	9750	F1033 280 _ N _ _ _ _7.5B - -	698	213TC
5.56	314.94	82090	0.86	9750	F1033 320 _ N _ _ _ _7.5B - -	698	213TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

10 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
277.27	6.312	2216	1.75	337	F0523 6.3 _ N _ _ _ _10.B - -	225	215TC
197.21	8.874	3116	1.30	352	F0523 9.0 _ N _ _ _ _10.B - -	225	215TC
175.95	9.946	3492	1.18	431	F0523 10. _ N _ _ _ _10.B - -	225	215TC
156.75	11.16	3920	1.07	452	F0523 12. _ N _ _ _ _10.B - -	225	215TC
123.43	14.18	4979	0.87	499	F0523 14. _ N _ _ _ _10.B - -	225	215TC
278.96	6.273	2203	2.02	1446	F0623 6.3 _ N _ _ _ _10.B - -	258	215TC
198.41	8.820	3097	1.75	1372	F0623 9.0 _ N _ _ _ _10.B - -	258	215TC
177.02	9.886	3471	1.66	1350	F0623 10. _ N _ _ _ _10.B - -	258	215TC
157.71	11.10	3896	1.56	1326	F0623 12. _ N _ _ _ _10.B - -	258	215TC
124.18	14.09	4948	1.38	1321	F0623 14. _ N _ _ _ _10.B - -	258	215TC
109.55	15.98	5609	1.29	1338	F0623 16. _ N _ _ _ _10.B - -	258	215TC
91.85	19.05	6690	1.17	1351	F0623 20. _ N _ _ _ _10.B - -	258	215TC
272.57	6.420	2254	3.74	2005	F0723 6.3 _ N _ _ _ _10.B - -	311	215TC
196.78	8.893	3123	3.20	1872	F0723 9.0 _ N _ _ _ _10.B - -	311	215TC
175.18	9.990	3508	2.99	1806	F0723 10. _ N _ _ _ _10.B - -	311	215TC
159.32	10.98	3857	2.90	1762	F0723 12. _ N _ _ _ _10.B - -	311	215TC
121.98	14.35	5038	2.44	1725	F0723 14. _ N _ _ _ _10.B - -	311	215TC
107.28	16.31	5728	2.25	1748	F0723 16. _ N _ _ _ _10.B - -	311	215TC
88.35	19.81	6955	1.83	1917	F0723 20. _ N _ _ _ _10.B - -	311	215TC
80.32	21.79	7651	1.74	1924	F0723 22. _ N _ _ _ _10.B - -	311	215TC
69.90	25.04	8791	1.64	1913	F0723 25. _ N _ _ _ _10.B - -	311	215TC
61.64	28.39	9969	1.50	1944	F0723 28. _ N _ _ _ _10.B - -	311	215TC
55.88	31.32	10996	1.36	2020	F0723 32. _ N _ _ _ _10.B - -	311	215TC
48.80	35.86	12593	1.19	2118	F0723 36. _ N _ _ _ _10.B - -	311	215TC
43.16	40.55	14238	1.05	2214	F0723 40. _ N _ _ _ _10.B - -	311	215TC
37.23	47.01	16507	0.91	2322	F0723 50. _ N _ _ _ _10.B - -	311	215TC
123.78	14.14	4964	3.83	1825	F0823 14. _ N _ _ _ _10.B - -	395	215TC
110.25	15.87	5574	3.55	1843	F0823 16. _ N _ _ _ _10.B - -	395	215TC
89.91	19.46	6835	3.10	1896	F0823 20. _ N _ _ _ _10.B - -	395	215TC
79.79	21.93	7702	2.83	1968	F0823 22. _ N _ _ _ _10.B - -	395	215TC
68.54	25.53	8965	2.55	2001	F0823 25. _ N _ _ _ _10.B - -	395	215TC
61.79	28.32	9944	2.14	2312	F0823 28. _ N _ _ _ _10.B - -	395	215TC
56.46	30.99	10883	1.87	2499	F0823 32. _ N _ _ _ _10.B - -	395	215TC
49.91	35.06	12312	1.79	2476	F0823 36. _ N _ _ _ _10.B - -	395	215TC
44.22	39.58	13898	1.65	2489	F0823 40. _ N _ _ _ _10.B - -	395	215TC
36.47	47.98	16847	1.48	2510	F0823 50. _ N _ _ _ _10.B - -	395	215TC
31.28	55.95	19647	1.34	2576	F0823 56. _ N _ _ _ _10.B - -	395	215TC
28.47	61.46	21582	1.24	2646	F0823 63. _ N _ _ _ _10.B - -	395	215TC
23.23	75.32	26448	1.02	2807	F0823 71. _ N _ _ _ _10.B - -	395	215TC
21.28	82.25	28881	0.93	3048	F0823 90. _ N _ _ _ _10.B - -	395	215TC
60.11	29.11	10223	3.72	7950	F0923 28. _ N _ _ _ _10.B - -	550	215TC
53.10	32.96	11573	3.28	7950	F0923 32. _ N _ _ _ _10.B - -	550	215TC
47.70	36.69	12883	2.95	7950	F0923 36. _ N _ _ _ _10.B - -	550	215TC
42.93	40.76	14313	2.65	7950	F0923 40. _ N _ _ _ _10.B - -	550	215TC
35.10	49.85	17505	2.17	7950	F0923 50. _ N _ _ _ _10.B - -	550	215TC
30.39	57.58	20217	1.88	7950	F0923 56. _ N _ _ _ _10.B - -	550	215TC
27.53	63.56	22319	1.70	7950	F0923 63. _ N _ _ _ _10.B - -	550	215TC
22.65	77.26	27127	1.40	7950	F0923 71. _ N _ _ _ _10.B - -	550	215TC
20.01	87.44	30704	1.24	7950	F0923 90. _ N _ _ _ _10.B - -	550	215TC
17.80	98.32	34526	1.10	7950	F0923 100 _ N _ _ _ _10.B - -	550	215TC
16.63	105.26	36582	1.04	7950	F0933 100 _ N _ _ _ _10.B - -	569	215TC
15.19	115.19	40034	0.95	7950	F0933 112 _ N _ _ _ _10.B - -	569	215TC
13.43	130.32	45292	0.84	7950	F0933 125 _ N _ _ _ _10.B - -	569	215TC
31.27	55.97	19652	3.61	9750	F1023 56. _ N _ _ _ _10.B - -	723	215TC
27.14	64.49	22643	3.14	9750	F1023 63. _ N _ _ _ _10.B - -	723	215TC
23.39	74.83	26274	2.70	9750	F1023 71. _ N _ _ _ _10.B - -	723	215TC
20.07	87.21	30624	2.32	9750	F1023 90. _ N _ _ _ _10.B - -	723	215TC
18.68	93.70	32902	2.16	9750	F1023 100 _ N _ _ _ _10.B - -	723	215TC
16.69	104.86	36444	1.95	9750	F1033 100 _ N _ _ _ _10.B - -	743	215TC
14.74	118.71	41256	1.72	9750	F1033 112 _ N _ _ _ _10.B - -	743	215TC
13.24	132.14	45925	1.55	9750	F1033 125 _ N _ _ _ _10.B - -	743	215TC
11.92	146.81	51022	1.39	9750	F1033 160 _ N _ _ _ _10.B - -	743	215TC
9.75	179.56	62403	1.14	9750	F1033 180 _ N _ _ _ _10.B - -	743	215TC
8.44	207.38	72071	0.99	9750	F1033 200 _ N _ _ _ _10.B - -	743	215TC
7.64	228.94	79564	0.89	9750	F1033 225 _ N _ _ _ _10.B - -	743	215TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

F

15 HP

4 Pole 1750 rpm nominal input speed

F

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
272.57	6.420	3382	2.49	1776	F0723 6.3 _ N _ _ _ _15.B - -	436	254TC
196.78	8.893	4684	2.13	1657	F0723 9.0 _ N _ _ _ _15.B - -	436	254TC
175.18	9.990	5262	2.00	1599	F0723 10. _ N _ _ _ _15.B - -	436	254TC
159.32	10.98	5786	1.94	1561	F0723 12. _ N _ _ _ _15.B - -	436	254TC
121.98	14.35	7557	1.63	1528	F0723 14. _ N _ _ _ _15.B - -	436	254TC
107.28	16.31	8592	1.50	1548	F0723 16. _ N _ _ _ _15.B - -	436	254TC
280.35	6.242	3288	3.86	2370	F0823 6.3 _ N _ _ _ _15.B - -	520	254TC
197.77	8.849	4661	3.33	1850	F0823 9.0 _ N _ _ _ _15.B - -	520	254TC
178.03	9.830	5178	3.15	1792	F0823 10. _ N _ _ _ _15.B - -	520	254TC
160.05	10.93	5759	2.97	1719	F0823 12. _ N _ _ _ _15.B - -	520	254TC
123.78	14.14	7447	2.55	1616	F0823 14. _ N _ _ _ _15.B - -	520	254TC
110.25	15.87	8360	2.37	1632	F0823 16. _ N _ _ _ _15.B - -	520	254TC
89.91	19.46	10252	2.07	1679	F0823 20. _ N _ _ _ _15.B - -	520	254TC
79.79	21.93	11552	1.89	1742	F0823 22. _ N _ _ _ _15.B - -	520	254TC
68.54	25.53	13447	1.70	1771	F0823 25. _ N _ _ _ _15.B - -	520	254TC
61.79	28.32	14917	1.43	2048	F0823 28. _ N _ _ _ _15.B - -	520	254TC
56.46	30.99	16324	1.25	2213	F0823 32. _ N _ _ _ _15.B - -	520	254TC
49.91	35.06	18468	1.19	2192	F0823 36. _ N _ _ _ _15.B - -	520	254TC
44.22	39.58	20847	1.10	2204	F0823 40. _ N _ _ _ _15.B - -	520	254TC
36.47	47.98	25271	0.99	2223	F0823 50. _ N _ _ _ _15.B - -	520	254TC
31.28	55.95	29471	0.89	2281	F0823 56. _ N _ _ _ _15.B - -	520	254TC
28.47	61.46	32372	0.83	2343	F0823 63. _ N _ _ _ _15.B - -	520	254TC
85.58	20.45	10770	3.53	7950	F0923 20. _ N _ _ _ _15.B - -	691	254TC
77.09	22.70	11957	3.18	7950	F0923 22. _ N _ _ _ _15.B - -	691	254TC
67.61	25.88	13633	2.79	7950	F0923 25. _ N _ _ _ _15.B - -	691	254TC
60.11	29.11	15335	2.48	7950	F0923 28. _ N _ _ _ _15.B - -	691	254TC
53.10	32.96	17359	2.19	7950	F0923 32. _ N _ _ _ _15.B - -	691	254TC
47.70	36.69	19324	1.97	7950	F0923 36. _ N _ _ _ _15.B - -	691	254TC
42.93	40.76	21469	1.77	7950	F0923 40. _ N _ _ _ _15.B - -	691	254TC
35.10	49.85	26258	1.45	7950	F0923 50. _ N _ _ _ _15.B - -	691	254TC
30.39	57.58	30326	1.25	7950	F0923 56. _ N _ _ _ _15.B - -	691	254TC
27.53	63.56	33479	1.14	7950	F0923 63. _ N _ _ _ _15.B - -	691	254TC
22.65	77.26	40691	0.93	7950	F0923 71. _ N _ _ _ _15.B - -	691	254TC
20.01	87.44	46056	0.83	7950	F0923 90. _ N _ _ _ _15.B - -	691	254TC
60.20	29.07	15312	3.86	9750	F1023 28. _ N _ _ _ _15.B - -	867	254TC
54.18	32.30	17014	3.87	9750	F1023 32. _ N _ _ _ _15.B - -	867	254TC
49.55	35.32	18602	3.82	9750	F1023 36. _ N _ _ _ _15.B - -	867	254TC
44.59	39.25	20671	3.43	9750	F1023 40. _ N _ _ _ _15.B - -	867	254TC
37.73	46.38	24430	2.91	9750	F1023 50. _ N _ _ _ _15.B - -	867	254TC
31.27	55.97	29478	2.41	9750	F1023 56. _ N _ _ _ _15.B - -	867	254TC
27.14	64.49	33965	2.09	9750	F1023 63. _ N _ _ _ _15.B - -	867	254TC
23.39	74.83	39411	1.80	9750	F1023 71. _ N _ _ _ _15.B - -	867	254TC
20.07	87.21	45937	1.55	9750	F1023 90. _ N _ _ _ _15.B - -	867	254TC
18.68	93.70	49353	1.44	9750	F1023 100 _ N _ _ _ _15.B - -	867	254TC
16.69	104.86	54667	1.30	9750	F1033 100 _ N _ _ _ _15.B - -	883	254TC
14.74	118.71	61883	1.15	9750	F1033 112 _ N _ _ _ _15.B - -	883	254TC
13.24	132.14	68887	1.03	9750	F1033 125 _ N _ _ _ _15.B - -	883	254TC
11.92	146.81	76533	0.93	9750	F1033 160 _ N _ _ _ _15.B - -	883	254TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

20 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
272.57	6.420	4509	1.87	1629	F0723 6.3 _ N _ _ _ _20.B - -	461	256TC
196.78	8.893	6246	1.60	1520	F0723 9.0 _ N _ _ _ _20.B - -	461	256TC
175.18	9.990	7016	1.50	1467	F0723 10. _ N _ _ _ _20.B - -	461	256TC
159.32	10.98	7714	1.45	1431	F0723 12. _ N _ _ _ _20.B - -	461	256TC
121.98	14.35	10076	1.22	1401	F0723 14. _ N _ _ _ _20.B - -	461	256TC
107.28	16.31	11456	1.13	1420	F0723 16. _ N _ _ _ _20.B - -	461	256TC
280.35	6.242	4384	2.90	2174	F0823 6.3 _ N _ _ _ _20.B - -	545	256TC
197.77	8.849	6214	2.49	1697	F0823 9.0 _ N _ _ _ _20.B - -	545	256TC
178.03	9.830	6903	2.36	1643	F0823 10. _ N _ _ _ _20.B - -	545	256TC
160.05	10.93	7679	2.23	1577	F0823 12. _ N _ _ _ _20.B - -	545	256TC
123.78	14.14	9929	1.91	1482	F0823 14. _ N _ _ _ _20.B - -	545	256TC
110.25	15.87	11147	1.78	1497	F0823 16. _ N _ _ _ _20.B - -	545	256TC
89.91	19.46	13670	1.55	1540	F0823 20. _ N _ _ _ _20.B - -	545	256TC
79.79	21.93	15403	1.42	1598	F0823 22. _ N _ _ _ _20.B - -	545	256TC
68.54	25.53	17930	1.28	1625	F0823 25. _ N _ _ _ _20.B - -	545	256TC
61.79	28.32	19889	1.07	1878	F0823 28. _ N _ _ _ _20.B - -	545	256TC
56.46	30.99	21766	0.94	2030	F0823 32. _ N _ _ _ _20.B - -	545	256TC
49.91	35.06	24624	0.89	2011	F0823 36. _ N _ _ _ _20.B - -	545	256TC
44.22	39.58	27795	0.83	2022	F0823 40. _ N _ _ _ _20.B - -	545	256TC
153.87	11.37	7987	4.00	7950	F0923 12. _ N _ _ _ _20.B - -	716	256TC
119.40	14.66	10293	3.51	7950	F0923 14. _ N _ _ _ _20.B - -	716	256TC
106.88	16.37	11499	3.24	7950	F0923 16. _ N _ _ _ _20.B - -	716	256TC
85.58	20.45	14360	2.65	7950	F0923 20. _ N _ _ _ _20.B - -	716	256TC
77.09	22.70	15942	2.38	7950	F0923 22. _ N _ _ _ _20.B - -	716	256TC
67.61	25.88	18178	2.09	7950	F0923 25. _ N _ _ _ _20.B - -	716	256TC
60.11	29.11	20447	1.86	7950	F0923 28. _ N _ _ _ _20.B - -	716	256TC
53.10	32.96	23146	1.64	7950	F0923 32. _ N _ _ _ _20.B - -	716	256TC
47.70	36.69	25765	1.47	7950	F0923 36. _ N _ _ _ _20.B - -	716	256TC
42.93	40.76	28625	1.33	7950	F0923 40. _ N _ _ _ _20.B - -	716	256TC
35.10	49.85	35011	1.09	7950	F0923 50. _ N _ _ _ _20.B - -	716	256TC
30.39	57.58	40435	0.94	7950	F0923 56. _ N _ _ _ _20.B - -	716	256TC
27.53	63.56	44639	0.85	7950	F0923 63. _ N _ _ _ _20.B - -	716	256TC
67.91	25.77	18096	3.87	9750	F1023 25. _ N _ _ _ _20.B - -	892	256TC
60.20	29.07	20416	2.89	9750	F1023 28. _ N _ _ _ _20.B - -	892	256TC
54.18	32.30	22685	2.91	9750	F1023 32. _ N _ _ _ _20.B - -	892	256TC
49.55	35.32	24803	2.86	9750	F1023 36. _ N _ _ _ _20.B - -	892	256TC
44.59	39.25	27562	2.58	9750	F1023 40. _ N _ _ _ _20.B - -	892	256TC
37.73	46.38	32573	2.18	9750	F1023 50. _ N _ _ _ _20.B - -	892	256TC
31.27	55.97	39304	1.81	9750	F1023 56. _ N _ _ _ _20.B - -	892	256TC
27.14	64.49	45287	1.57	9750	F1023 63. _ N _ _ _ _20.B - -	892	256TC
23.39	74.83	52549	1.35	9750	F1023 71. _ N _ _ _ _20.B - -	892	256TC
20.07	87.21	61249	1.16	9750	F1023 90. _ N _ _ _ _20.B - -	892	256TC
18.68	93.70	65804	1.08	9750	F1023 100 _ N _ _ _ _20.B - -	892	256TC
16.69	104.86	72889	0.97	9750	F1033 100 _ N _ _ _ _20.B - -	908	256TC
14.74	118.71	82511	0.86	9750	F1033 112 _ N _ _ _ _20.B - -	908	256TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

F

F

25 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
193.58	9.040	7936	3.64	7678	F0923 9.0 _ N _ _ _ _25.B - -	836	284TC
172.72	10.13	8895	3.42	7518	F0923 14. _ N _ _ _ _25.B - -	836	284TC
153.87	11.37	9984	3.22	7495	F0923 16. _ N _ _ _ _25.B - -	836	284TC
119.40	14.66	12866	2.81	7604	F0923 20. _ N _ _ _ _25.B - -	836	284TC
106.88	16.37	14373	2.60	7694	F0923 22. _ N _ _ _ _25.B - -	836	284TC
85.58	20.45	17950	2.12	7927	F0923 25. _ N _ _ _ _25.B - -	836	284TC
77.09	22.70	19928	1.91	7950	F0923 28. _ N _ _ _ _25.B - -	836	284TC
67.61	25.88	22722	1.67	7950	F0923 32. _ N _ _ _ _25.B - -	836	284TC
60.11	29.11	25558	1.49	7950	F0923 36. _ N _ _ _ _25.B - -	836	284TC
53.10	32.96	28932	1.31	7950	F0923 40. _ N _ _ _ _25.B - -	836	284TC
47.70	36.69	32207	1.18	7950	F0923 50. _ N _ _ _ _25.B - -	836	284TC
42.93	40.76	35782	1.06	7950	F0923 56. _ N _ _ _ _25.B - -	836	284TC
35.10	49.85	43763	0.87	7950	F0923 63. _ N _ _ _ _25.B - -	836	284TC
87.26	20.05	17605	3.96	9750	F1023 20. _ N _ _ _ _25.B - -	1012	284TC
76.88	22.76	19982	3.52	9750	F1023 22. _ N _ _ _ _25.B - -	1012	284TC
67.91	25.77	22620	3.08	9750	F1023 25. _ N _ _ _ _25.B - -	1012	284TC
60.20	29.07	25520	2.30	9750	F1023 28. _ N _ _ _ _25.B - -	1012	284TC
54.18	32.30	28356	2.30	9750	F1023 32. _ N _ _ _ _25.B - -	1012	284TC
49.55	35.32	31004	2.27	9750	F1023 36. _ N _ _ _ _25.B - -	1012	284TC
44.59	39.25	34452	2.04	9750	F1023 40. _ N _ _ _ _25.B - -	1012	284TC
37.73	46.38	40716	1.72	9750	F1023 50. _ N _ _ _ _25.B - -	1012	284TC
31.27	55.97	49130	1.43	9750	F1023 56. _ N _ _ _ _25.B - -	1012	284TC
27.14	64.49	56609	1.23	9750	F1023 63. _ N _ _ _ _25.B - -	1012	284TC
23.39	74.83	65686	1.06	9750	F1023 71. _ N _ _ _ _25.B - -	1012	284TC
20.07	87.21	76561	0.91	9750	F1023 90. _ N _ _ _ _25.B - -	1012	284TC
18.68	93.70	82256	0.84	9750	F1023 100 _ N _ _ _ _25.B - -	1012	284TC

30 HP

4 Pole 1750 rpm nominal input speed

266.50	6.567	6917	3.53	7546	F0923 6.3 _ N _ _ _ _30.B - -	851	286TC
193.58	9.040	9523	3.03	7269	F0923 9.0 _ N _ _ _ _30.B - -	851	286TC
172.72	10.13	10673	2.85	7118	F0923 10. _ N _ _ _ _30.B - -	851	286TC
153.87	11.37	11981	2.68	7096	F0923 12. _ N _ _ _ _30.B - -	851	286TC
119.40	14.66	15439	2.34	7199	F0923 14. _ N _ _ _ _30.B - -	851	286TC
106.88	16.37	17248	2.16	7285	F0923 16. _ N _ _ _ _30.B - -	851	286TC
85.58	20.45	21540	1.76	7505	F0923 20. _ N _ _ _ _30.B - -	851	286TC
77.09	22.70	23914	1.59	7630	F0923 22. _ N _ _ _ _30.B - -	851	286TC
67.61	25.88	27267	1.39	7788	F0923 25. _ N _ _ _ _30.B - -	851	286TC
60.11	29.11	30670	1.24	7923	F0923 28. _ N _ _ _ _30.B - -	851	286TC
53.10	32.96	34719	1.09	7950	F0923 32. _ N _ _ _ _30.B - -	851	286TC
47.70	36.69	38648	0.98	7950	F0923 36. _ N _ _ _ _30.B - -	851	286TC
42.93	40.76	42938	0.88	7950	F0923 40. _ N _ _ _ _30.B - -	851	286TC
87.26	20.05	21126	3.31	9750	F1023 20. _ N _ _ _ _30.B - -	1027	286TC
76.88	22.76	23979	2.95	9750	F1023 22. _ N _ _ _ _30.B - -	1027	286TC
67.91	25.77	27144	2.58	9750	F1023 25. _ N _ _ _ _30.B - -	1027	286TC
60.20	29.07	30624	1.93	9750	F1023 28. _ N _ _ _ _30.B - -	1027	286TC
54.18	32.30	34027	1.94	9750	F1023 32. _ N _ _ _ _30.B - -	1027	286TC
49.55	35.32	37205	1.91	9750	F1023 36. _ N _ _ _ _30.B - -	1027	286TC
44.59	39.25	41343	1.72	9750	F1023 40. _ N _ _ _ _30.B - -	1027	286TC
37.73	46.38	48860	1.45	9750	F1023 50. _ N _ _ _ _30.B - -	1027	286TC
31.27	55.97	58956	1.20	9750	F1023 56. _ N _ _ _ _30.B - -	1027	286TC
27.14	64.49	67930	1.05	9750	F1023 63. _ N _ _ _ _30.B - -	1027	286TC
23.39	74.83	78823	0.90	9750	F1023 71. _ N _ _ _ _30.B - -	1027	286TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

40 HP

4 Pole 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
266.50	6.567	9223	2.65	6922	F0923 6.3 _ N _ _ _ _40.B - -	949	324TC
193.58	9.040	12697	2.28	6668	F0923 9.0 _ N _ _ _ _40.B - -	949	324TC
172.72	10.13	14231	2.14	6530	F0923 10. _ N _ _ _ _40.B - -	949	324TC
153.87	11.37	15975	2.01	6510	F0923 12. _ N _ _ _ _40.B - -	949	324TC
119.40	14.66	20585	1.75	6604	F0923 14. _ N _ _ _ _40.B - -	949	324TC
106.88	16.37	22997	1.62	6682	F0923 16. _ N _ _ _ _40.B - -	949	324TC
85.58	20.45	28720	1.32	6885	F0923 20. _ N _ _ _ _40.B - -	949	324TC
77.09	22.70	31885	1.19	6999	F0923 22. _ N _ _ _ _40.B - -	949	324TC
67.61	25.88	36356	1.05	7144	F0923 25. _ N _ _ _ _40.B - -	949	324TC
60.11	29.11	40893	0.93	7268	F0923 28. _ N _ _ _ _40.B - -	949	324TC
53.10	32.96	46292	0.82	7399	F0923 32. _ N _ _ _ _40.B - -	949	324TC
157.66	11.10	15591	3.77	9750	F1023 12. _ N _ _ _ _40.B - -	1124	324TC
121.04	14.46	20307	3.23	9750	F1023 14. _ N _ _ _ _40.B - -	1124	324TC
112.11	15.61	21924	3.04	9750	F1023 16. _ N _ _ _ _40.B - -	1124	324TC
87.26	20.05	28168	2.49	9750	F1023 20. _ N _ _ _ _40.B - -	1124	324TC
76.88	22.76	31971	2.21	9750	F1023 22. _ N _ _ _ _40.B - -	1124	324TC
67.91	25.77	36192	1.94	9750	F1023 25. _ N _ _ _ _40.B - -	1124	324TC
60.20	29.07	40832	1.45	9750	F1023 28. _ N _ _ _ _40.B - -	1124	324TC
54.18	32.30	45369	1.45	9750	F1023 32. _ N _ _ _ _40.B - -	1124	324TC
49.55	35.32	49606	1.43	9750	F1023 36. _ N _ _ _ _40.B - -	1124	324TC
44.59	39.25	55124	1.29	9750	F1023 40. _ N _ _ _ _40.B - -	1124	324TC
37.73	46.38	65146	1.09	9750	F1023 50. _ N _ _ _ _40.B - -	1124	324TC
31.27	55.97	78608	0.90	9750	F1023 56. _ N _ _ _ _40.B - -	1124	324TC

50 HP

4 Pole 1750 rpm nominal input speed

266.50	6.567	11529	2.12	6474	F0923 6.3 _ N _ _ _ _50.B - -	1065	326TC
193.58	9.040	15871	1.82	6236	F0923 9.0 _ N _ _ _ _50.B - -	1065	326TC
172.72	10.13	17789	1.71	6107	F0923 10. _ N _ _ _ _50.B - -	1065	326TC
153.87	11.37	19968	1.61	6088	F0923 12. _ N _ _ _ _50.B - -	1065	326TC
119.40	14.66	25732	1.40	6177	F0923 14. _ N _ _ _ _50.B - -	1065	326TC
106.88	16.37	28747	1.30	6250	F0923 16. _ N _ _ _ _50.B - -	1065	326TC
85.58	20.45	35900	1.06	6439	F0923 20. _ N _ _ _ _50.B - -	1065	326TC
77.09	22.70	39856	0.95	6546	F0923 22. _ N _ _ _ _50.B - -	1065	326TC
67.61	25.88	45445	0.84	6682	F0923 25. _ N _ _ _ _50.B - -	1065	326TC
272.05	6.433	11294	3.78	9750	F1023 6.3 _ N _ _ _ _50.B - -	1240	326TC
194.75	8.986	15776	3.37	9750	F1023 9.0 _ N _ _ _ _50.B - -	1240	326TC
179.08	9.772	17157	3.23	9750	F1023 10. _ N _ _ _ _50.B - -	1240	326TC
157.66	11.10	19488	3.02	9750	F1023 12. _ N _ _ _ _50.B - -	1240	326TC
121.04	14.46	25384	2.58	9750	F1023 14. _ N _ _ _ _50.B - -	1240	326TC
112.11	15.61	27405	2.43	9750	F1023 16. _ N _ _ _ _50.B - -	1240	326TC
87.26	20.05	35210	1.99	9750	F1023 20. _ N _ _ _ _50.B - -	1240	326TC
76.88	22.76	39964	1.77	9750	F1023 22. _ N _ _ _ _50.B - -	1240	326TC
67.91	25.77	45241	1.55	9750	F1023 25. _ N _ _ _ _50.B - -	1240	326TC
60.20	29.07	51041	1.16	9750	F1023 28. _ N _ _ _ _50.B - -	1240	326TC
54.18	32.30	56712	1.16	9750	F1023 32. _ N _ _ _ _50.B - -	1240	326TC
49.55	35.32	62008	1.15	9750	F1023 36. _ N _ _ _ _50.B - -	1240	326TC
44.59	39.25	68905	1.03	9750	F1023 40. _ N _ _ _ _50.B - -	1240	326TC
37.73	46.38	81433	0.87	9750	F1023 50. _ N _ _ _ _50.B - -	1240	326TC

NOTE

Other output speeds are available using 2 and 8 pole motors. Consult Application Engineering

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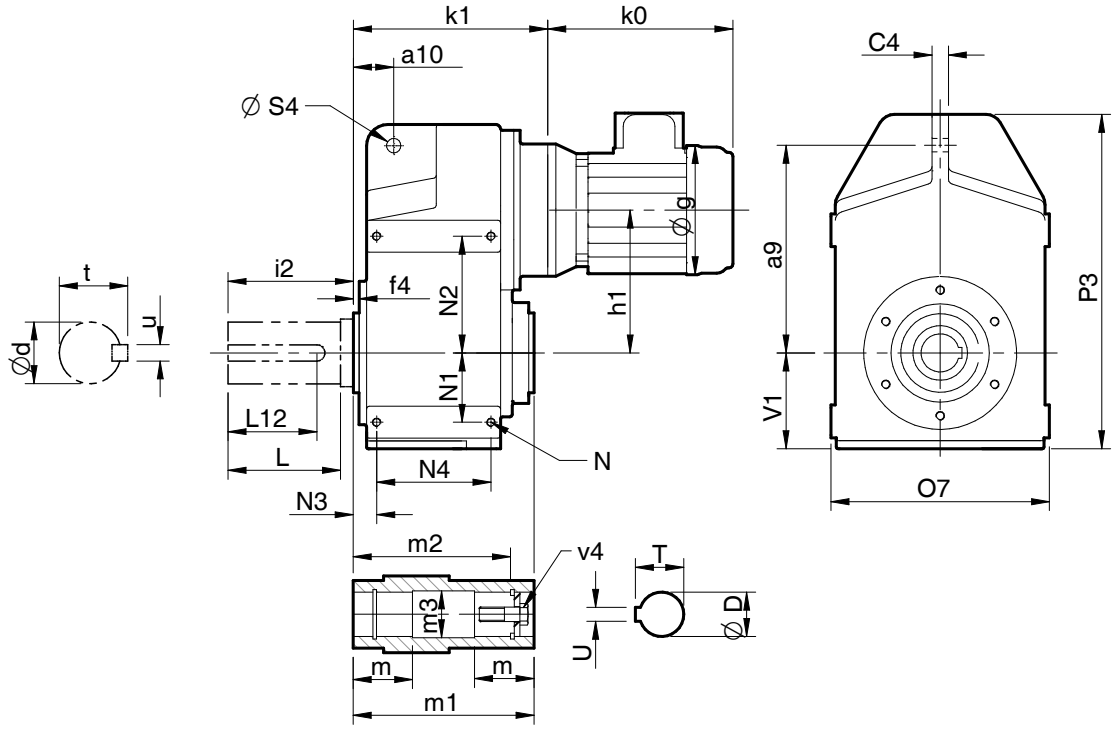
DIMENSIONS
DOUBLE / TRIPLE REDUCTION

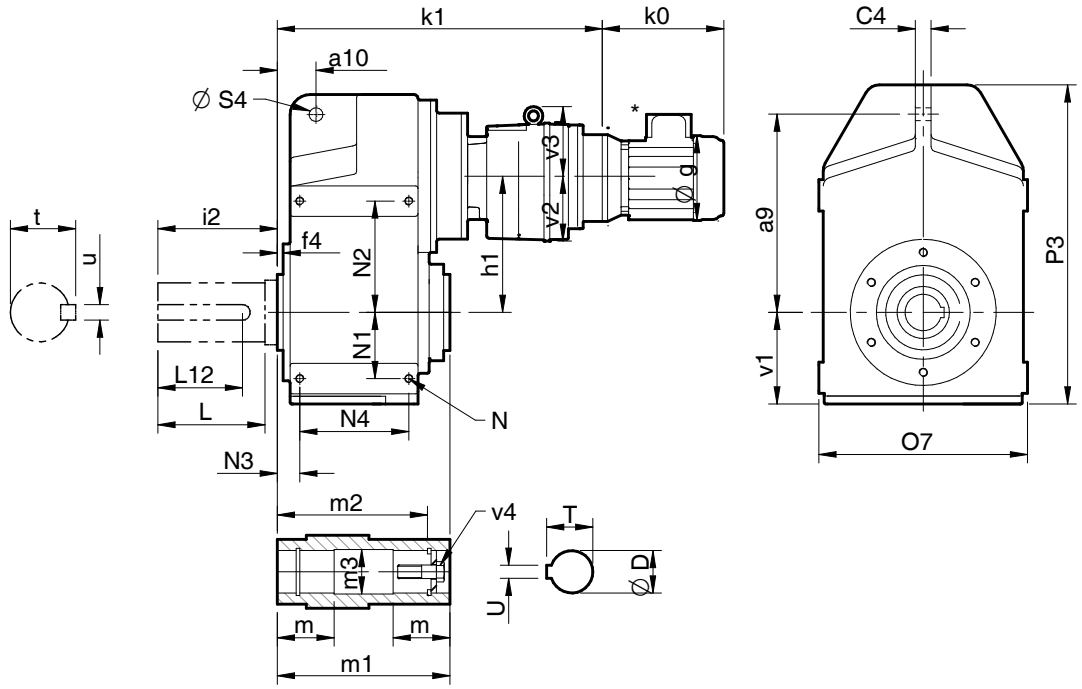


	a9	a10	C4	f4	h1	N	N1	N2	N3	N4	O7	P3	S4	V1
F0223 - F0233	5.51	0.98	0.39	0.20	3.78	M8	1.89	1.50	0.85	2.68	5.67	8.86	0.55	2.44
F0323 - F0333	6.22	1.24	0.47	0.12	4.05	M8	1.22	3.31	0.89	3.03	6.50	9.92	0.55	3.03
F0423 - F0433	6.69	1.26	0.47	0.12	4.72	M10	1.97	2.36	0.94	3.54	6.93	11.38	0.55	3.46
F0523 - F0533	7.80	1.59	0.55	0.12	5.48	M12	2.17	4.53	1.32	4.02	7.87	12.87	0.55	3.82
F0623 - F0633	8.58	1.61	0.63	0.08	6.30	M12	2.56	3.35	1.10	4.92	9.29	14.45	0.55	4.33
F0723 - F0733	10.94	1.97	0.79	0.08	7.87	M16	3.35	4.53	1.18	5.91	11.02	17.68	0.87	5.28
F0823 - F0833	13.62	2.44	1.02	0.12	8.90	M16	3.94	3.94	1.38	6.69	13.39	20.71	0.87	5.83
F0923 - F0933	15.55	2.76	1.18	0.20	10.79	M16	4.92	8.86	1.50	8.46	15.75	24.09	1.06	6.89
F1023 - F1033	19.09	3.46	1.42	0.22	13.07	M20	6.22	10.71	1.63	9.84	18.50	29.45	1.06	8.50

	D	m	m1	m2	m3	T	U	v4		d	i2	L	L12	t	u
F0223 - F0233	1.001 / 1.000	1.80	4.63	3.50	1.02	1.11	0.250	0.375 UNF x 2.00		-	-	-	-	-	-
F0323 - F0333	1.251 / 1.250	2.00	4.72	4.13	1.27	1.37	0.250	0.375 UNF x 2.00		1.000 /0.9995	1.97	1.85	1.57	1.11	0.250
F0423 - F0433	1.376 / 1.375	2.56	5.91	5.20	1.39	1.52	0.3125	0.500 UNF x 2.25		1.250/1.2495	2.36	2.20	1.97	1.36	0.250
F0523 - F0533	1.501 / 1.500	2.56	6.54	5.59	1.52	1.67	0.375	0.625 UNF x 2.75		1.375/1.3745	2.75	2.60	2.36	1.51	0.3125
F0623 - F0633	1.501 / 1.500	3.54	7.87	6.14	1.52	1.67	0.375	0.625 UNF x 2.75		1.625/1.624	3.19	2.99	2.76	1.78	0.375
F0723 - F0733	2.001 / 2.000	4.13	9.25	7.20	2.02	2.22	0.500	0.625 UNF x 2.75		2.000/1.999	3.98	3.74	3.15	2.23	0.500
F0823 - F0833	2.376 / 2.375	4.60	10.43	8.27	2.40	2.65	0.625	0.750 UNF x 3.25		2.375/2.274	4.72	4.49	3.94	2.65	0.625
F0923 - F0933	2.751 / 2.750	5.80	12.99	10.63	2.77	3.03	0.625	0.750 UNF x 3.25		2.875/2.874	5.55	5.31	4.33	3.20	0.750
F1023 - F1033	3.626 / 3.625	6.50	14.57	12.32	3.64	3.89	0.875	0.750 UNF x 4.25		3.625/3.624	6.77	6.50	5.51	4.01	0.875

			F0223	F0233	F0323	F0333	F0423	F0433	F0523	F0533	F0623	F0633	F0723	F0733	F0823	F0833	F0923	F0933	F1023	F1033
Motor	**k0**	**g**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**
56C	12.00	6.88	7.28	7.87	7.44	7.95	79.53	8.46	8.50	9.41	9.25	10.16	10.71	11.26	13.27	12.99	-	16.30	-	-
143-145TC	12.00	7.19	7.28	7.87	7.44	7.95	79.53	8.46	8.50	9.41	9.25	10.16	10.71	11.26	13.27	12.99	-	16.30	-	-
182-184TC	15.50	8.68	6.97	7.56	7.13	7.64	76.38	8.15	9.49	9.09	10.24	9.84	11.06	12.24	13.27	13.35	14.17	16.30	15.85	17.30
213-215TC	16.50	10.25	-	-	-	-	-	-	9.49	-	10.24	-	11.06	12.24	13.27	13.35	14.17	16.30	15.85	17.30
254-256TC	20.00	12.88	-	-	-	-	-	-	-	-	-	-	10.98	-	13.27	13.27	15.55	16.30	17.03	18.68
284-286TC	23.25	14.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.67	-	17.15	18.80
324-326TC	25.25	16.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.34	-	17.78	19.47

DIMENSIONS
QUADRUPLE REDUCTION

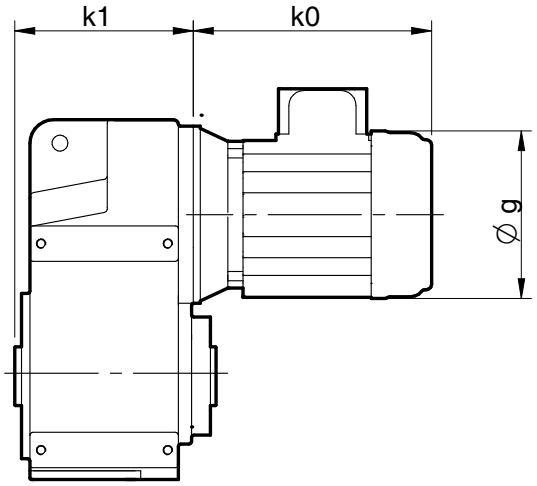


	a9	a10	C4	f4	h1	N	N1	N2	N3	N4	O7	P3	S4	v1	v2	v3
F0343	6.22	1.24	0.47	0.12	4.05	M8	1.22	3.31	0.89	3.03	6.50	9.92	0.55	3.03	2.99	2.91
F0443	6.69	1.26	0.47	0.12	4.72	M10	1.97	2.36	0.94	3.54	6.93	11.38	0.55	3.46	2.99	2.91
F0543	7.80	1.59	0.55	0.12	5.48	M12	2.17	4.53	1.32	4.02	7.87	12.87	0.55	3.82	3.58	3.54
F0643	8.58	1.61	0.63	0.08	6.30	M12	2.56	3.35	1.10	4.92	9.29	14.45	0.55	4.33	3.58	3.54
F0743	10.94	1.97	0.79	0.08	7.87	M16	3.35	4.53	1.18	5.91	11.02	17.68	0.87	5.28	3.58	3.54
F0843	13.62	2.44	1.02	0.12	8.90	M16	3.94	3.94	1.38	6.69	13.39	20.71	0.87	5.83	4.53	3.66
F0943	15.55	2.76	1.18	0.20	10.79	M16	4.92	8.86	1.50	8.46	15.75	24.09	1.06	6.89	4.53	3.66
F1043	19.09	3.46	1.42	0.22	13.07	M20	6.22	10.71	1.63	9.84	18.50	29.45	1.06	8.50	5.51	6.10

	D	m	m1	m2	m3	T	U	v4		d	i2	L	L12	t	u
F0343	1.251 / 1.250	2.00	4.72	4.13	1.27	1.37	0.250	0.375 UNF x 2.00		1.000 /0.9995	1.97	1.85	1.57	1.11	0.250
F0443	1.376 / 1.375	2.56	5.91	5.20	1.39	1.52	0.3125	0.500 UNF x 2.25		1.250/1.2495	2.36	2.20	1.97	1.36	0.250
F0543	1.501 / 1.500	2.56	6.54	5.59	1.52	1.67	0.375	0.625 UNF x 2.75		1.375/1.3745	2.75	2.60	2.36	1.51	0.3125
F0643	1.501 / 1.500	3.54	7.87	6.14	1.52	1.67	0.375	0.625 UNF x 2.75		1.625/1.624	3.19	2.99	2.76	1.78	0.375
F0743	2.001 / 2.000	4.13	9.25	7.20	2.02	2.22	0.500	0.625 UNF x 2.75		2.000/1.999	3.98	3.74	3.15	2.23	0.500
F0843	2.376 / 2.375	4.60	10.43	8.27	2.40	2.65	0.625	0.750 UNF x 3.25		2.375/2.274	4.72	4.49	3.94	2.65	0.625
F0943	2.751 / 2.750	5.80	12.99	10.63	2.77	3.03	0.625	0.750 UNF x 3.25		2.875/2.874	5.55	5.31	4.33	3.20	0.750
F1043	3.626 / 3.625	6.50	14.57	12.32	3.64	3.89	0.875	0.750 UNF x 4.25		3.625/3.624	6.77	6.50	5.51	4.01	0.875

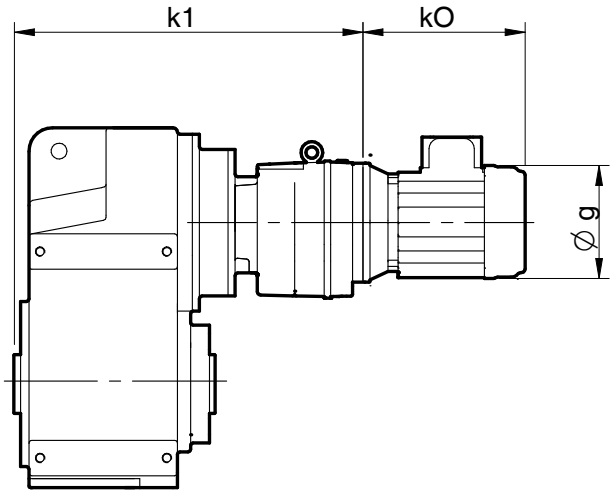
			F0343	F0443	F0543	F0643	F0743	F0843	F0943	F1043
Motor	**k0**	**g**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**	**k1**
56C	12.00	7.19	14.76	15.28	17.05	17.80	19.21	21.38	23.70	27.03
143-145TC	12.00	7.19	14.76	15.28	17.05	17.80	19.21	21.38	23.70	27.03
182-184TC	15.50	8.50	14.45	14.96	16.73	17.48	18.90	22.36	24.69	27.38
213-215TC	16.50	10.19	-	-	-	-	-	22.36	24.69	27.38
254-256TC	20.00	12.50	-	-	-	-	-	-	-	24.98

DIMENSIONS
UNITS WITH COMPACT MOTOR



Double / Triple Reduction

		F0223		F0233		F0323		F0333		F0423		F0433		F0523		F0533		F0623		F0633		F0723		F0733		F0823		F0833		F0933	
	g	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko
0.25 Kw	5.51	4.72	8.74	5.31	8.74	4.88	8.74	5.39	8.74	5.39	8.74	5.91	8.74	-	-	6.85	8.74	-	-	7.60	8.74	-	-	-	-	-	-	-	-	-	-
0.37 Kw	5.51	4.72	8.74	5.31	8.74	4.88	8.74	5.39	8.74	5.39	8.74	5.91	8.74	-	-	6.85	8.74	-	-	7.60	8.74	-	-	-	-	-	-	-	-	-	-
0.55 Kw	6.30	4.72	10.91	5.31	10.91	4.88	10.91	5.39	10.91	5.39	10.91	5.91	10.91	6.54	10.31	6.85	10.91	7.28	10.31	7.60	10.91	-	-	9.29	10.31	-	-	-	-	-	-
0.75 Kw	6.30	4.72	10.91	5.31	10.91	4.88	10.91	5.39	10.91	5.39	10.91	5.91	10.91	6.54	10.31	6.85	10.91	11.65	10.31	7.60	10.91	-	-	9.29	10.31	-	-	-	-	-	-
1.1 Kw	7.09	4.72	13.07	-	-	4.88	13.07	-	-	5.39	13.07	-	-	6.54	12.48	-	-	11.65	12.48	-	-	8.66	11.93	9.29	12.48	-	-	10.94	11.93	-	-
1.5 Kw	7.09	4.72	13.07	-	-	4.88	13.07	-	-	5.39	13.07	-	-	6.54	12.48	-	-	11.65	12.48	-	-	8.66	11.93	9.29	12.48	-	-	10.94	11.93	-	-
2.2 Kw	7.87	-	-	-	-	-	-	-	-	-	-	-	-	6.54	13.90	-	-	11.65	13.90	-	-	8.66	13.35	9.29	13.90	9.76	12.99	10.94	13.35	13.11	12.99
3.0 Kw	7.87	-	-	-	-	-	-	-	-	-	-	-	-	6.54	13.90	-	-	11.65	13.90	-	-	8.66	13.35	9.29	13.90	9.76	12.99	10.94	13.35	13.11	12.99
4.0 Kw	8.86	-	-	-	-	-	-	-	-	-	-	-	-	6.54	15.16	-	-	11.65	15.16	-	-	8.66	14.61	-	-	9.76	14.25	10.94	14.61	13.11	14.25
5.5 Kw	10.24	-	-	-	-	-	-	-	-	-	-	-	-	6.54	17.60	-	-	11.65	17.60	-	-	8.66	17.05	-	-	9.76	16.69	10.94	17.05	13.11	16.69
7.5 Kw	10.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.66	17.05	-	-	9.76	16.69	10.94	17.05	13.11	16.69



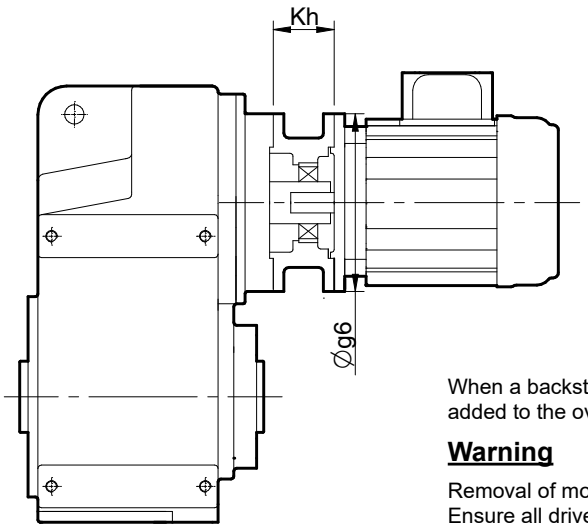
Quadruple Reduction

		F0343		F0443		F0543		F0643		F0743		F0843		F0943		F1043	
	g	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko	K1	Ko
0.25 Kw	5.51	5.31	8.74	5.39	8.74	5.91	8.74	6.85	8.74	7.60	8.74	-	-	-	-	-	-
0.37 Kw	5.51	5.31	8.74	5.39	8.74	5.91	8.74	6.85	8.74	7.60	8.74	-	-	-	-	-	-
0.55 Kw	6.30	5.31	10.91	5.39	10.91	5.91	10.91	6.85	10.91	7.60	10.91	9.29	10.31	-	-	-	-
0.75 Kw	6.30	5.31	10.91	5.39	10.91	5.91	10.91	6.85	10.91	7.60	10.91	9.29	10.31	-	-	-	-
1.1 Kw	7.09	-	-	-	-	-	-	-	-	-	-	9.29	12.48	10.94	11.93	-	-
1.5 Kw	7.09	-	-	-	-	-	-	-	-	-	-	9.29	12.48	10.94	11.93	-	-
2.2 Kw	7.87	-	-	-	-	-	-	-	-	-	-	9.29	13.90	10.94	13.35	13.11	12.99
3.0 Kw	7.87	-	-	-	-	-	-	-	-	-	-	9.29	13.90	10.94	13.35	13.11	12.99
4.0 Kw	8.86	-	-	-	-	-	-	-	-	-	-	-	-	10.94	14.61	13.11	14.25
5.5 Kw	10.24	-	-	-	-	-	-	-	-	-	-	-	-	10.94	17.05	13.11	16.69
7.5 Kw	10.24	-	-	-	-	-	-	-	-	-	-	-	-	10.94	17.05	13.11	16.69

MOTORISED BACKSTOP MODULE

Motorised backstop modules can be fitted between the gear unit and motor. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (n min).
To ensure correct operation motor speed must exceed lift off speed.

Suitable for ambient temperature -40°F to + 120°F



When a backstop module is fitted dimension Kh should be added to the overall length of the geared motor assembly.

Warning

Removal of motor or backstop will release the drive.
Ensure all driven machinery is secure prior to any maintenance work.

IEC B5 Flange

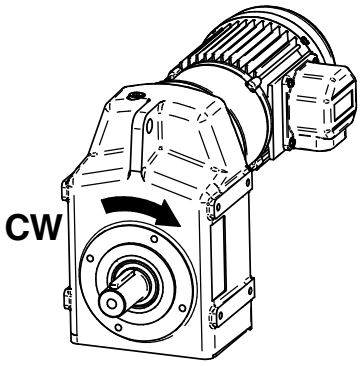
Motor Frame Size	Lift off speed 'n' min (rpm)	Rated locking torque 'T max' (at motor) lb.in	øg6	Kh
100	670	1500	9.85"	2.76"
112	670	1500	9.85"	2.76"
132	620	8320	11.81"	3.74"
160	620	8320	13.78"	5.12"
180	620	8320	13.78"	5.12"
200	550	11150	15.75"	5.12"

NEMA C Flange

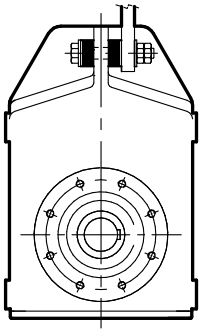
Motor Frame Size	Lift off speed 'n' min (rpm)	Rated locking torque 'T max' (at motor) lb.in	øg6	Kh
182TC / 184TC	670	2655	9.00"	3.75"
213TC / 215 TC	670	2655	9.00"	3.75"
254TC / 256TC	620	8320	9.00"	4.75"
284TC / 286TC	620	8320	11.00"	5.38"
324TC / 326TC	550	11150	13.00"	6.00"

Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

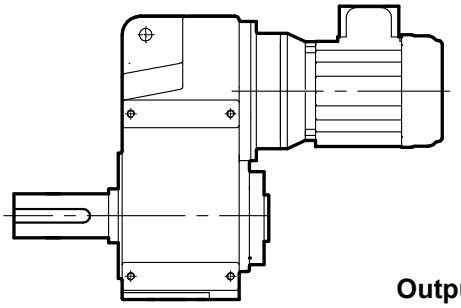
CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise



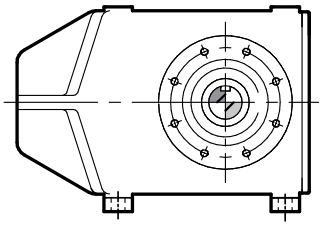
OPTIONS



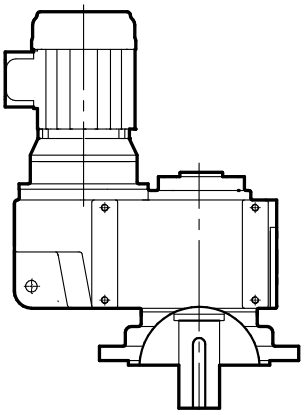
Shaft Mounted with Torque Bush



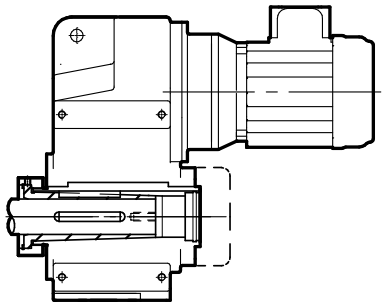
Output Shaft



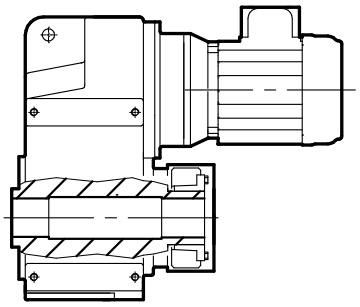
With Feet



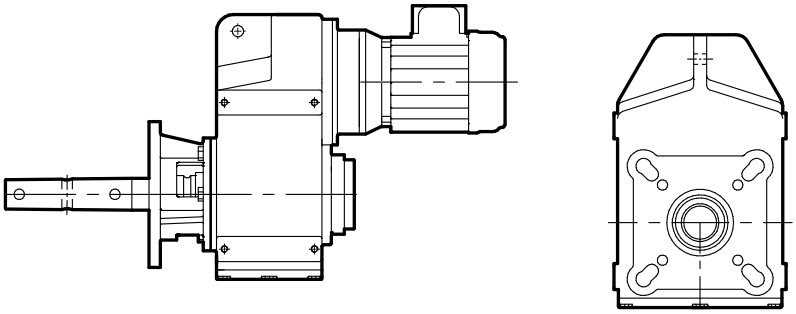
Output Shaft with Flange



Taper Release Bushing (TR)



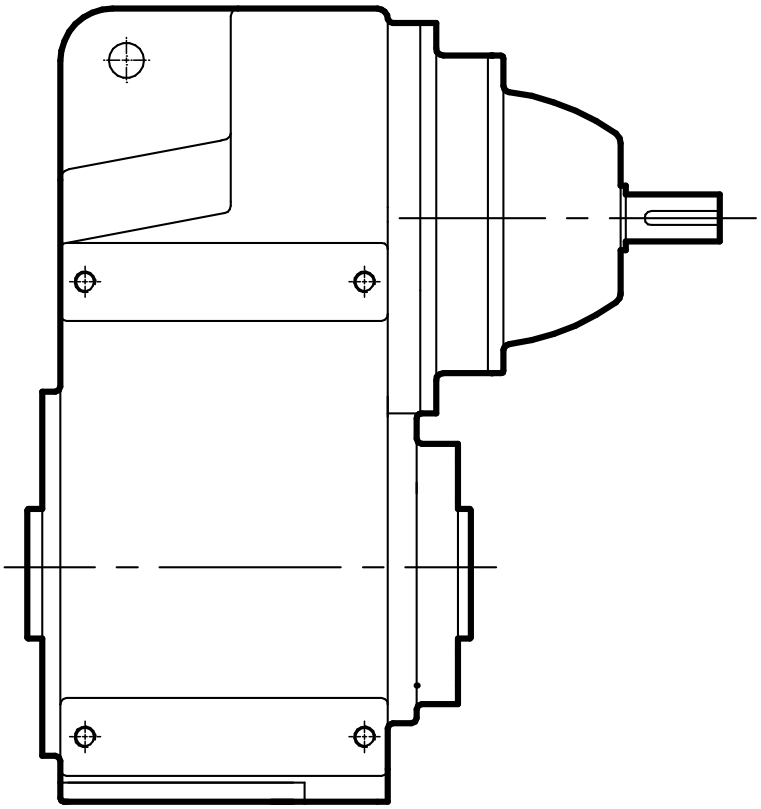
Unit with Shrink Disk



Screw Conveyor

NOTES

F



REDUCER

SERIES F

F

Maximum Permissible Overhung Loads

When a sprocket, gear etc. is mounted on the shaft a calculation, as below, must be made to determine the overhung load on the shaft, and the results compared to the maximum permissible overhung loads tabulated. Overhung loads can be reduced by increasing the diameter of the sprocket, gear, etc. If the maximum permissible overhung load is exceeded, the sprocket, gear, etc. should be mounted on a separate shaft, flexibly coupled and supported in its own bearings, or the gear unit shaft should be extended to run in an outboard bearing. Alternatively, a larger gear is often a less expensive solution.

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavourable direction with the unit transmitting full rated power and the load P applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to Application Engineering for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life.

All units will accept 100% momentary overload on stated capacities.

Overhung Load (lbf)

$$P = \frac{HP \times 630{,}000 \times K}{N \times R}$$

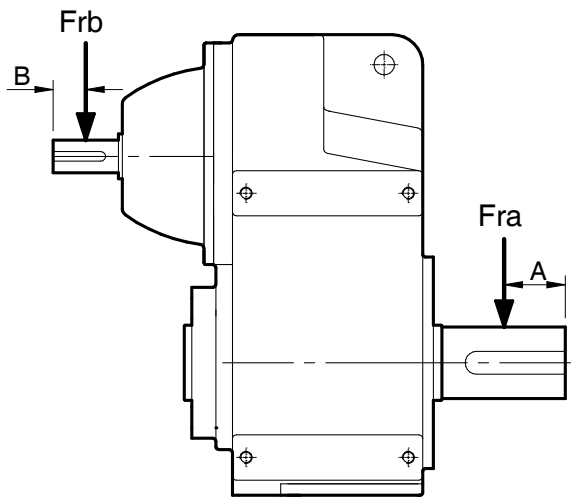
Where

P	=	equivalent overhung load (lbf)
HP	=	power transmitted by the shaft (HP)
N	=	speed of shaft (rpm)
R	=	pitch radius of sprocket, etc. (inches)
K	=	factor

Note: 1 lbf = 4.45 Newton

Overhung Member	K (factor)
Chain sprocket*	1.00
Spur or helical pinion	1.25
Vee belt sheave	1.50
Flat belt pulley	2.00

* If multistrand chain drives are equally loaded and the outer strand is further than dimension A output or B input, refer to Application Engineering.



Distance Midway Along the Shaft Extension

Size of unit	No of Reductions	Dimension A (inches)	Dimension B (inches)
F02	2	-	0.79
	3	-	0.79
F03	2	0.94	0.79
	3	0.94	0.79
	4	0.94	0.79
F04	2	1.10	0.79
	3	1.10	0.79
	4	1.10	0.79
F05	2	1.30	0.79
	3	1.30	0.79
	4	1.30	0.79
F06	2	1.50	0.79
	3	1.50	0.79
	4	1.50	0.79
F07	2	1.89	0.98
	3	1.89	0.79
	4	1.89	0.79
F08	2	2.17	1.18
	3	2.17	0.98
	4	2.17	0.79
F09	2	2.68	1.57
	3	2.68	1.18
	4	2.68	0.79
F10	2	3.35	2.17
	3	3.35	1.57
	4	3.35	0.98

Inputshaft Overhung Loads, Frb (lb) 1750 rpm

Two, Three and Four Stage Units

	F02	F03	F04	F05	F06	F07	F08	F09	F10
2 stage	295	340	280	240	240	400	700	800	1000
3 stage	340	340	340	340	340	400	560	800	1000
4 stage	-	380	380	380	380	400	400	500	700

Output Shaft Overhung Loads (Fra) Consult the Ratings Tables

Axial Thrust Capacities (lbf)

No check or calculation is required if the axial thrust load (FA) towards or away from the unit is under 50% of the permissible overhung load.
If the axial thrust considerably exceeds these values or if there is a combination of axial thrust loads and overhung loads please contact our Application Engineers.

THERMAL POWER RATING

Thermal Ratings HP

Thermal ratings are a measure of the units ability to dissipate heat, if they are exceeded the lubricant may break down resulting in premature gear failure.

Thermal rating are based on an ambient temperature of 77ºF, where units are to operate in other ambient temperatures thermal ratings must be adjusted by the following factors

Ambient Temp Modifing Factor Ft

-4ºF	14ºF	32ºF	50ºF	68ºF	77ºF	95ºF	104ºF	113ºF	122ºF
1.54	1.42	1.30	1.18	1.06	1.00	0.88	0.82	0.76	0.70

Units without additional cooling

n1 (rpm)	*Ratio*	F0223	F0323	F0423	F0523	F0623	F0723	F0823	F0923	F1023
3500	≥ 16	-	-	-	-	-	-	-	-	-
1750		7.0	11	13	19	27	39	62	88	132
1450		6.3	9.6	12	17	24	35	55	79	118
1160		7.0	8.1	9.9	14	21	30	47	67	101
3500	20 - 22	6.0	8.1	9.7	15	19	31	47	68	100
1750		5.6	8.1	10	15	21	30	47	66	94
1450		5.1	7.2	8.9	14	19	28	42	60	85
1160		4.3	6.0	6.8	11	14	23	36	51	73
3500	25 - 28	5.1	7.0	8.8	13	19	27	41	61	85
1750		4.8	6.7	8.3	13	17	25	38	56	81
1450		4.3	6.0	7.3	11	15	22	34	49	71
1160		3.6	5.0	6.1	10	13	19	28	43	61
3500	32 - 36	4.5	6.3	7.7	12	16	24	36	54	75
1750		4.0	5.6	6.9	10	14	21	33	47	68
1450		3.5	5.0	6.1	9.2	12	19	29	42	61
1160		3.0	4.1	5.1	7.9	11	16	24	36	51
3500	40 - 50	3.9	5.4	6.9	10	14	21	29	45	64
1750		3.2	4.6	5.7	8.6	12	17	24	38	52
1450		2.8	4.0	5.1	7.5	10	15	22	33	47
1160		2.4	3.4	4.2	6.3	8.7	13	18	28	40

n1 (rpm)	*Ratio*	F0233	F0333	F0433	F0533	F0633	F0733	F0833	F0933	F1033
3500	≥ 160	2.8	3.8	4.8	7.3	9.9	15	22	33	47
1750		1.8	2.5	3.2	4.7	6.4	10	14	21	31
1450		1.5	2.1	2.7	4.1	5.6	8.6	13	19	27
1160		1.1	1.8	1.9	2.8	3.9	7.1	10	16	22
3500	≥ 180	2.7	3.4	4.3	6.4	8.7	13	20	30	42
1750		1.4	2.0	2.5	3.8	5.1	7.9	11	17	24
1450		1.2	1.7	2.1	3.2	4.3	6.7	10	15	21
1160		0.9	1.7	1.7	2.6	3.5	5.5	8.0	12	17

Units with fan cooling

n1 (rpm)	*Ratio*	F0723	F0823	F0923	F1023
3500	≥ 16	-	-	-	-
1750		58	86	122	177
1450		54	80	114	165
1160		52	78	111	161
3500	20 - 22	-	-	-	-
1750		46	66	93	127
1450		43	61	87	119
1160		42	60	84	116
3500	25 - 28	-	-	-	-
1750		37	53	77	107
1450		35	50	72	100
1160		34	48	70	97

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F0223	5.0	5.903	296.5	535	2.58	315	196.5	586	1.87	365	593.0	434	4.19	350	148.2	626	1.51	410
	6.3	7.974	219.5	633	2.26	340	145.5	684	1.62	400	438.9	523	3.74	300	109.7	728	1.30	440
	9.0	9.069	193.0	661	2.08	350	127.9	728	1.52	410	385.9	783	4.92	285	96.5	772	1.21	460
	10.	10.27	170.3	697	1.93	365	112.9	766	1.41	425	340.6	597	3.31	275	85.2	813	1.13	475
	12.	13.14	133.2	775	1.68	390	88.3	845	1.21	460	266.4	661	2.87	295	66.6	894	0.97	515
	14.	14.16	123.6	796	1.60	400	81.9	867	1.16	470	247.2	679	2.73	305	61.8	920	0.93	525
	16.	17.88	97.9	863	1.37	430	64.9	938	0.990	505	195.8	739	2.35	325	48.9	1000	0.80	565
	20.	20.27	86.3	903	1.27	450	57.2	982	0.915	530	172.7	771	2.17	340	43.2	1060	0.74	590
	22.	23.16	75.6	938	1.15	470	50.1	1030	0.839	555	151.1	806	1.982	385	37.8	1120	0.69	610
	25.	25.77	67.9	965	1.07	490	45.0	1070	0.784	570	135.8	836	1.848	370	34.0	1140	0.63	645
	28.	28.41	61.6	1000	1.00	505	40.8	1140	0.758	585	123.2	863	1.730	380	30.8	1140	0.57	675
	32.	31.26	56.0	1030	0.938	525	37.1	1140	0.688	615	112.0	885	1.612	395	28.0	1140	0.52	705
	36.	36.63	47.8	1080	0.840	550	31.7	1140	0.588	665	95.6	929	1.445	420	23.9	1140	0.44	760
	40.	43.94	39.8	1140	0.739	595	26.4	1140	0.490	725	79.7	974	1.263	445	19.9	1140	0.37	830
	50.	51.22	34.2	1140	0.634	640	22.6	1140	0.420	780	68.3	1010	1.123	475	17.1	1140	0.32	880
	56.	56.91	30.7	1140	0.570	675	20.4	1140	0.378	820	61.5	1040	1.041	495	15.4	1140	0.29	880
	63.	68.54	25.5	1140	0.474	735	16.9	1140	0.314	880	51.1	1090	0.906	530	12.8	1140	0.24	880
	71.	78.56	22.3	1000	0.363	818	14.8	1000	0.240	880	44.6	1000	0.725	590	11.14	1000	0.18	880
	90.	89.28	19.6	982	0.313	870	13.0	991	0.210	880	39.2	982	0.627	655	9.80	991	0.16	880
F0233	80.	82.72	21.2	1140	0.397	880	14.0	1140	0.263	880	42.3	1030	0.717	600	10.58	1190	0.207	880
	90.	92.02	19.0	1140	0.356	880	12.6	1150	0.238	880	38.0	1060	0.663	620	9.51	1210	0.189	880
	100	101.5	17.2	1140	0.323	880	11.43	1180	0.222	880	34.5	1100	0.624	645	8.62	1230	0.174	880
	112	111.6	15.7	1140	0.294	880	10.39	1190	0.203	880	31.3	1130	0.582	670	7.84	1250	0.161	880
	125	130.8	13.4	1140	0.251	880	8.87	1230	0.179	880	26.8	1140	0.502	725	6.69	1290	0.142	880
	160	156.9	11.15	1180	0.216	880	7.39	1270	0.154	880	22.3	1140	0.418	790	5.58	1300	0.119	880
	180	182.9	9.57	1210	0.190	880	6.34	1300	0.136	880	19.1	1140	0.359	845	4.78	1300	0.102	880
	200	203.3	8.61	1230	0.174	880	5.71	1300	0.122	880	17.2	1140	0.323	880	4.30	1300	0.092	880
	225	244.8	7.15	1270	0.149	880	4.74	1300	0.101	880	14.3	1140	0.268	880	3.57	1300	0.076	880
	280	280.6	6.24	1300	0.133	880	4.13	1300	0.088	880	12.5	1150	0.236	880	3.12	1300	0.067	880
	320	318.8	5.49	1300	0.117	880	3.64	1300	0.078	880	10.98	1190	0.215	880	2.74	1300	0.059	880

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			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	*i*n	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F0323	6.3	6.648	263.2	1310	5.61	550	174.5	1420	4.03	645	526.5	1080	9.25	590	131.6	1510	3.23	720
	9.0	8.980	194.9	1530	4.85	590	129.2	1660	3.49	695	389.7	1290	8.18	500	97.44	1750	2.77	780
	10.	10.21	171.3	1610	4.49	610	113.6	1750	3.23	720	342.7	1380	7.70	465	85.66	1810	2.52	820
	12.	11.57	151.2	1710	4.21	630	100.2	1850	3.02	745	302.5	1480	7.28	470	75.61	1910	2.35	845
	14.	14.80	118.3	1880	3.62	675	78.38	1920	2.45	820	236.5	1640	6.31	505	59.13	1970	1.90	940
	16.	15.95	109.7	1940	3.46	690	72.73	2050	2.43	830	219.4	1690	6.04	515	54.86	2050	1.83	960
	20.	20.14	86.9	2110	2.98	745	57.61	2120	1.99	920	173.8	1830	5.18	555	43.45	2120	1.50	1060
	22.	22.83	76.7	2180	2.72	780	50.82	2180	1.80	970	153.3	1910	4.77	580	38.33	2180	1.36	1110
	25.	26.09	67.1	2200	2.40	830	44.47	2210	1.60	1030	134.2	2000	4.37	605	33.54	2210	1.21	1180
	28.	29.02	60.3	2210	2.17	880	39.98	2210	1.44	1080	120.6	2040	4.00	640	30.15	2210	1.08	1240
	32.	31.99	54.7	2210	1.97	927	36.26	2210	1.30	1146	109.4	2060	3.67	745	27.35	2210	0.984	1300
	36.	35.21	49.7	2210	1.79	970	32.95	2210	1.18	1190	99.41	2100	3.40	695	24.85	2210	0.894	1350
	40.	41.25	42.4	2170	1.50	1060	28.12	2210	1.01	1280	84.85	2020	2.79	775	21.21	2210	0.763	1450
	50.	49.49	35.4	1900	1.09	1220	23.44	1980	0.755	1440	70.72	1770	2.04	910	17.68	2040	0.587	1610
	56.	57.69	30.3	1660	0.819	1360	20.11	1730	0.566	1590	60.67	1550	1.53	1020	15.17	1780	0.439	1680
	63.	64.10	27.3	1560	0.693	1440	18.10	1630	0.480	1690	54.60	1460	1.30	1090	13.65	1650	0.367	1710
	71.	77.19	22.7	1320	0.487	1610	15.03	1320	0.323	1780	45.34	1290	0.952	1220	11.34	1320	0.244	1780
	90.	88.47	19.8	1130	0.364	1740	13.11	1130	0.241	1800	39.56	1130	0.727	1330	9.89	1130	0.182	1800
	100	100.5	17.4	1110	0.314	1800	11.54	1120	0.210	1800	34.81	1040	0.589	1420	8.70	1190	0.169	1800
F0333	71.	71.91	24.3	2210	0.884	1350	16.13	2210	0.586	1600	48.67	1630	1.304	1060	12.17	2210	0.442	1800
	80.	81.53	21.5	2210	0.780	1450	14.23	2210	0.517	1650	42.93	1730	1.221	1100	10.73	2210	0.390	1800
	90.	93.16	18.8	2210	0.683	1600	12.45	2210	0.452	1710	37.57	1900	1.174	1220	9.39	2210	0.341	1800
	100	103.6	16.9	2210	0.614	1610	11.19	2210	0.407	1780	33.77	2020	1.122	1280	8.44	2210	0.307	1800
	112	114.3	15.3	2210	0.557	1680	10.15	2210	0.369	1800	30.63	2210	1.113	1360	7.66	2210	0.278	1800
	125	125.7	13.9	2210	0.506	1700	9.23	2210	0.335	1800	27.83	2210	1.011	1440	6.96	2210	0.253	1800
	160	147.3	11.9	2210	0.432	1750	7.87	2210	0.286	1800	23.76	2210	0.863	1610	5.94	2210	0.216	1800
	180	176.7	9.9	2210	0.360	1800	6.56	2210	0.238	1800	19.80	2210	0.720	1740	4.95	2210	0.180	1800
	200	206.0	8.5	2210	0.309	1800	5.63	2210	0.205	1800	16.99	2210	0.617	1800	4.25	2210	0.154	1800
	225	228.9	7.6	2210	0.278	1800	5.07	2210	0.184	1800	15.29	2210	0.556	1800	3.82	2210	0.139	1800
	280	275.7	6.3	2210	0.231	1800	4.21	2210	0.153	1800	12.70	2210	0.461	1800	3.17	2210	0.115	1800
	320	316.0	5.5	2210	0.201	1800	3.67	2210	0.133	1800	11.08	2210	0.403	1800	2.77	2210	0.101	1800
	360	359.1	4.9	2210	0.177	1800	3.23	2210	0.117	1800	9.75	2210	0.354	1800	2.44	2210	0.089	1800
F0343	400	399.9	4.4	2210	0.162	1800	2.90	2210	0.107	1800	7.25	2210	0.27	1800	1.81	2210	0.067	1800
	450	453.4	3.9	2210	0.142	1800	2.56	2210	0.094	1800	6.40	2210	0.24	1800	1.60	2210	0.059	1800
	500	518.1	3.4	2210	0.125	1800	2.24	2210	0.083	1800	5.60	2210	0.21	1800	1.40	2210	0.052	1800
	560	576.3	3.0	2210	0.112	1800	2.01	2210	0.074	1800	5.03	2213	0.19	1800	1.26	2210	0.046	1800
	630	635.4	2.8	2210	0.102	1800	1.83	2210	0.067	1800	4.56	2213	0.17	1800	1.14	2210	0.042	1800
	720	699.3	2.5	2210	0.092	1800	1.66	2210	0.061	1800	4.15	2213	0.15	1800	1.04	2210	0.038	1800
	800	819.3	2.1	2210	0.079	1800	1.42	2210	0.052	1800	3.54	2213	0.13	1800	0.88	2210	0.033	1800
	900	893.1	2.0	2210	0.072	1800	1.30	2210	0.048	1800	3.25	2213	0.12	1800	0.81	2210	0.030	1800
	10C	982.9	1.8	2210	0.066	1800	1.18	2210	0.044	1800	2.95	2213	0.11	1800	0.74	2210	0.027	1800
	11C	1146	1.5	2210	0.056	1800	1.01	2210	0.037	1800	2.53	2213	0.094	1800	0.63	2210	0.023	1800
	12C	1273	1.4	2210	0.051	1800	0.91	2210	0.034	1800	2.28	2213	0.084	1800	0.57	2210	0.021	1800
	14C	1382	1.3	2210	0.047	1800	0.84	2210	0.031	1800	2.10	2213	0.078	1800	0.52	2210	0.019	1800
	16C	1610	1.09	2210	0.040	1800	0.72	2210	0.027	1800	1.80	2213	0.067	1800	0.45	2210	0.017	1800
	18C	1796	0.97	2210	0.036	1800	0.65	2210	0.024	1800	1.61	2213	0.060	1800	0.40	2210	0.015	1800
	20C	2086	0.84	2170	0.030	1800	0.56	2170	0.020	1800	1.39	2170	0.050	1800	0.35	2170	0.013	1800
	22C	2155	0.81	2170	0.029	1800	0.54	2170	0.020	1800	1.35	2170	0.049	1800	0.34	2170	0.012	1800
	25C	2512	0.70	2170	0.025	1800	0.46	2170	0.017	1800	1.15	2170	0.042	1800	0.29	2170	0.010	1800
	28C	2791	0.63	2170	0.023	1800	0.42	2170	0.015	1800	1.04	2170	0.038	1800	0.26	2170	0.009	1800
	32C	3199	0.55	2170	0.020	1800	0.36	2170	0.013	1800	0.91	2170	0.033	1800	0.23	2170	0.008	1800
	36C	3852	0.45	1682	0.013	1800	0.30	1682	0.008	1800	0.75	1682	0.021	1800	0.19	1682	0.005	1800

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			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F0423	6.3	6.320	276.9	2030	9.15	640	183.5	2300	6.87	730	458.9	1650	12.32	540	114.7	2500	4.67	842
	9.0	8.864	197.4	2440	7.84	710	130.9	2770	5.90	810	327.1	1980	10.54	600	81.79	3010	4.01	937
	10.	9.768	179.2	2570	7.49	730	118.8	2900	5.60	830	296.9	2080	10.05	625	74.22	3160	3.82	966
	12.	11.09	157.8	2730	7.01	760	104.6	3080	5.24	870	261.4	2210	9.40	650	65.36	3350	3.56	1005
	14.	14.09	124.2	3040	6.15	820	82.34	3230	4.33	940	205.8	2460	8.24	700	51.46	3360	2.81	1084
	16.	16.01	109.3	3100	5.52	860	72.48	3280	3.87	970	181.2	2610	7.70	730	45.30	3430	2.53	1128
	20.	19.64	89.09	3190	4.62	910	59.05	3390	3.26	1040	147.6	2870	6.90	480	36.91	3530	2.12	1203
	22.	21.79	80.33	3230	4.22	940	53.25	3440	2.98	1070	133.1	2930	6.35	800	33.28	3580	1.94	1243
	25.	24.75	70.71	3290	3.79	980	46.87	3500	2.67	1120	117.2	2980	5.68	840	29.29	3660	1.74	1294
	28.	28.12	62.23	3350	3.39	1020	41.25	3350	2.25	1160	103.1	3040	5.10	870	25.78	3350	1.41	1347
	32.	30.97	56.51	3350	3.08	1050	37.46	3350	2.04	1200	93.65	3080	4.69	900	23.41	3350	1.28	1389
	36.	35.62	49.13	3480	2.78	1100	32.57	3510	1.86	1250	81.42	3140	4.16	940	20.35	3510	1.16	1440
	40.	38.72	45.19	3320	2.44	1130	29.96	3320	1.62	1290	74.89	3180	3.88	960	18.72	3320	1.01	1440
	50.	46.49	37.64	3500	2.14	1190	24.95	3500	1.42	1360	62.38	3270	3.32	1020	15.60	3500	0.888	1440
	56.	55.79	31.37	3550	1.81	1270	20.79	3850	1.30	1440	51.98	3260	2.76	1080	13.00	3730	0.789	1440
	63.	62.86	27.84	3190	1.45	1320	18.45	3320	1.00	1440	46.14	2920	2.19	1120	11.53	3420	0.642	1440
	71.	73.07	23.95	2760	1.08	1380	15.87	2880	0.744	1440	39.69	2580	1.67	1180	9.92	2960	0.478	1440
	90.	82.94	21.10	2480	0.85	1440	13.99	2580	0.587	1440	34.97	2320	1.32	1220	8.74	2660	0.378	1440
	100	94.29	18.56	2210	0.67	1440	12.30	2300	0.460	1440	30.76	2060	1.03	1270	7.69	2370	0.297	1440
F0433	71.	69.69	25.11	3220	1.33	1440	16.65	3510	0.961	1440	41.61	2750	1.88	1160	10.40	3730	0.638	1440
	80.	79.00	22.15	3360	1.22	1440	14.68	3660	0.884	1440	36.71	2880	1.74	1210	9.18	3730	0.563	1440
	90.	90.28	19.38	3500	1.12	1440	12.85	3730	0.788	1440	32.12	3020	1.60	1260	8.03	3730	0.493	1440
	100	100.4	17.43	3630	1.04	1440	11.55	3730	0.708	1440	28.88	3130	1.49	1300	7.22	3730	0.443	1440
	112	110.7	15.81	3690	0.959	1440	10.48	3730	0.643	1440	26.19	3190	1.37	1340	6.55	3730	0.402	1440
	125	121.9	14.36	3730	0.881	1440	9.52	3730	0.584	1440	23.80	3320	1.30	1380	5.95	3730	0.365	1440
	160	142.8	12.26	3730	0.752	1440	8.13	3730	0.498	1440	20.31	3430	1.15	1440	5.08	3730	0.311	1440
	180	171.3	10.22	3730	0.627	1440	6.77	3730	0.415	1440	16.93	3580	1.00	1440	4.23	3730	0.260	1440
	200	199.7	8.77	3730	0.538	1440	5.81	3730	0.356	1440	14.53	3730	0.891	1440	3.63	3730	0.223	1440
	225	221.8	7.89	3730	0.484	1440	5.23	3730	0.321	1440	13.07	3730	0.802	1440	3.27	3730	0.200	1440
	280	267.1	6.55	3730	0.402	1440	4.34	3730	0.266	1440	10.86	3730	0.666	1440	2.71	3730	0.166	1440
	320	306.2	5.72	3730	0.351	1440	3.79	3730	0.232	1440	9.47	3730	0.581	1440	2.37	3730	0.145	1440
	360	348.0	5.03	3730	0.308	1440	3.33	3730	0.204	1440	8.33	3730	0.511	1440	2.08	3730	0.128	1440
F0443	400	398.8	4.39	3730	0.273	1440	2.91	3730	0.181	1440	7.27	3730	0.453	1440	1.82	3730	0.113	1440
	450	455.7	3.84	3730	0.239	1440	2.55	3730	0.159	1440	6.36	3730	0.396	1440	1.59	3730	0.099	1440
	500	506.9	3.45	3730	0.215	1440	2.29	3730	0.143	1440	5.72	3730	0.356	1440	1.43	3730	0.089	1440
	560	558.8	3.13	3730	0.195	1440	2.08	3730	0.129	1440	5.19	3730	0.323	1440	1.30	3730	0.081	1440
	630	615.0	2.85	3730	0.177	1440	1.89	3730	0.117	1440	4.72	3730	0.294	1440	1.18	3730	0.073	1440
	710	707.4	2.47	3730	0.154	1440	1.64	3730	0.102	1440	4.10	3730	0.255	1440	1.02	3730	0.064	1440
	800	828.8	2.11	3730	0.132	1440	1.40	3730	0.087	1440	3.50	3730	0.218	1440	0.87	3730	0.054	1440
	900	901.1	1.94	3730	0.121	1440	1.29	3730	0.080	1440	3.22	3730	0.200	1440	0.80	3730	0.050	1440
	10C	994.4	1.76	3730	0.110	1440	1.17	3730	0.073	1440	2.92	3730	0.182	1440	0.73	3730	0.045	1440
	11C	1159	1.51	3730	0.094	1440	1.00	3730	0.062	1440	2.50	3730	0.156	1440	0.63	3730	0.039	1440
	12C	1260	1.39	3730	0.087	1440	0.92	3730	0.057	1440	2.30	3730	0.143	1440	0.58	3730	0.036	1440
	14C	1400	1.25	3730	0.078	1440	0.83	3730	0.052	1440	2.07	3730	0.129	1440	0.52	3730	0.032	1440
	16C	1686	1.04	3730	0.065	1440	0.69	3730	0.043	1440	1.72	3730	0.107	1440	0.43	3730	0.027	1440
	18C	1778	0.98	3730	0.061	1440	0.65	3730	0.041	1440	1.63	3730	0.102	1440	0.41	3730	0.025	1440
	20C	1933	0.91	3730	0.056	1440	0.60	3730	0.037	1440	1.50	3730	0.093	1440	0.38	3730	0.023	1440
	22C	2196	0.80	3730	0.050	1440	0.53	3730	0.033	1440	1.32	3730	0.082	1440	0.33	3730	0.021	1440
	25C	2429	0.72	3730	0.045	1440	0.48	3730	0.030	1440	1.19	3730	0.074	1440	0.30	3730	0.019	1440
	28C	2784	0.63	3730	0.039	1440	0.42	3730	0.026	1440	1.04	3730	0.065	1440	0.26	3730	0.016	1440
	32C	3164	0.55	3730	0.034	1440	0.37	3730	0.023	1440	0.92	3730	0.057	1440	0.23	3730	0.014	1440
	36C	3565	0.49	3730	0.031	1440	0.33	3730	0.020	1440	0.81	3730	0.051	1440	0.20	3730	0.013	1440
	40C	4145	0.42	3730	0.026	1440	0.28	3730	0.017	1440	0.70	3730	0.044	1440	0.17	3730	0.011	1440
	45C	4704	0.37	3260	0.020	1440	0.25	3260	0.013	1440	0.62	3260	0.034	1440	0.15	3260	0.008	1440
	50C	5348	0.33	2970	0.016	1440	0.22	2970	0.011	1440	0.54	2970	0.027	1440	0.14	2970	0.007	1440

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F0523	6.3	6.312	277.3	3880	17.51	285	183.8	4110	12.29	395	459.5	3750	28.04	815	114.9	4270	7.98	480
	9.0	8.874	197.2	4060	13.03	325	130.7	4310	9.17	500	326.8	3930	20.90	725	81.70	4470	5.94	600
	10.	9.946	176.0	4130	11.83	410	116.6	4370	8.29	540	291.6	3900	18.51	690	72.89	4550	5.40	640
	12.	11.16	156.7	4200	10.71	443	103.9	4440	7.51	590	259.8	3890	16.44	650	64.94	4630	4.89	690
	14.	14.18	123.4	4350	8.74	520	81.82	4590	6.11	670	204.5	3940	13.11	670	51.14	4790	3.99	790
	16.	16.07	108.9	4420	7.83	565	72.17	4680	5.50	720	180.4	4010	11.77	700	45.11	4880	3.58	845
	20.	19.17	91.29	4520	6.72	630	60.52	4810	4.74	800	151.3	4110	10.12	740	37.82	5000	3.08	930
	22.	22.07	79.29	4610	5.95	685	52.56	4900	4.19	860	131.4	4200	8.98	780	32.85	5110	2.73	1000
	25.	25.67	68.17	4730	5.25	745	45.19	5100	3.75	935	113.0	4280	7.87	824	28.24	5220	2.40	1080
	28.	28.72	60.93	4800	4.76	795	40.39	5190	3.41	990	101.0	4350	7.15	860	25.24	5310	2.18	1150
	32.	30.61	57.17	4840	4.50	825	37.89	5130	3.16	1030	94.73	4390	6.77	880	23.68	5350	2.06	1190
	36.	36.28	48.24	4970	3.90	905	31.97	5280	2.75	1120	79.94	4490	5.84	950	19.98	5490	1.79	1290
	40.	38.74	45.18	5010	3.68	935	29.95	5320	2.59	1160	74.87	4530	5.52	975	18.72	5530	1.68	1330
	50.	48.07	36.41	5170	3.06	1050	24.13	5490	2.16	1290	60.33	4680	4.59	1070	15.08	5710	1.40	1480
	56.	56.68	30.87	5290	2.66	1140	20.47	5620	1.87	1400	51.16	4790	3.99	1150	12.79	5850	1.22	1600
	63.	62.06	28.20	5360	2.46	1190	18.69	5690	1.73	1460	46.73	4850	3.69	1190	11.68	5920	1.13	1670
	71.	76.06	23.01	5520	2.07	1320	15.25	5860	1.45	1610	38.13	5000	3.10	1300	9.53	6110	0.948	1830
	90.	84.78	20.64	5440	1.83	1420	13.68	5670	1.26	1750	34.21	5070	2.82	1360	8.55	5830	0.811	2000
	100	95.08	18.41	4770	1.43	1770	12.20	4200	0.83	2030	30.50	4200	2.08	1430	7.63	4200	0.521	2030
F0533	100	102.8	17.02	5770	1.62	1530	11.28	6120	1.14	1850	28.21	5220	2.42	1650	7.05	6200	0.719	1920
	112	113.2	15.46	5850	1.49	1600	10.25	6200	1.04	1930	25.62	5290	2.23	1710	6.40	6200	0.653	2300
	125	130.2	13.44	5970	1.32	1710	8.91	6200	0.908	2030	22.27	5400	1.98	1790	5.57	6200	0.568	2300
	160	141.6	12.36	6040	1.23	1770	8.19	6200	0.835	2030	20.49	5460	1.84	1840	5.12	6200	0.522	2300
	180	169.9	10.30	6200	1.050	1930	6.83	6200	0.696	2030	17.07	5610	1.57	1940	4.27	6200	0.435	2300
	200	203.9	8.58	6200	0.875	2030	5.69	6200	0.580	2030	14.22	5770	1.35	2030	3.56	6200	0.362	2300
	225	229.8	7.62	6200	0.776	2030	5.05	6200	0.515	2030	12.62	5860	1.22	2030	3.16	6200	0.322	2300
	280	267.1	6.55	6200	0.668	2030	4.34	6200	0.443	2030	10.86	5990	1.07	2030	2.71	6200	0.277	2300
	320	303.2	5.77	6200	0.588	2030	3.83	6200	0.390	2030	9.57	6110	0.961	2030	2.39	6200	0.244	2300
	360	344.7	5.08	6200	0.518	2030	3.37	6200	0.343	2030	8.41	6200	0.858	2030	2.10	6200	0.214	2300
F0543	400	409.9	4.27	6200	0.442	2030	2.83	6200	0.293	2030	7.07	6200	0.733	2030	1.77	6200	0.183	2030
	450	451.4	3.88	6200	0.401	2030	2.57	6200	0.266	2030	6.42	6200	0.665	2030	1.61	6200	0.166	2030
	500	505.0	3.47	6200	0.359	2030	2.30	6200	0.238	2030	5.74	6200	0.595	2030	1.44	6200	0.149	2030
	560	564.5	3.10	6200	0.321	2030	2.06	6200	0.213	2030	5.14	6200	0.532	2030	1.28	6200	0.133	2030
	630	631.5	2.77	6200	0.287	2030	1.84	6200	0.190	2030	4.59	6200	0.475	2030	1.15	6200	0.119	2030
	710	699.2	2.50	6200	0.259	2030	1.66	6200	0.172	2030	4.15	6200	0.430	2030	1.04	6200	0.107	2030
	800	808.1	2.17	6200	0.224	2030	1.44	6200	0.149	2030	3.59	6200	0.372	2030	0.90	6200	0.093	2030
	900	909.8	1.92	6200	0.199	2030	1.28	6200	0.132	2030	3.19	6200	0.330	2030	0.80	6200	0.083	2030
	10C	1025	1.71	6200	0.177	2030	1.13	6200	0.117	2030	2.83	6200	0.293	2030	0.71	6200	0.073	2030
	11C	1149	1.52	6200	0.158	2030	1.01	6200	0.105	2030	2.52	6200	0.261	2030	0.63	6200	0.065	2030
	12C	1270	1.38	6200	0.143	2030	0.91	6200	0.095	2030	2.28	6200	0.236	2030	0.57	6200	0.059	2030
	14C	1442	1.21	6200	0.126	2030	0.80	6200	0.083	2030	2.01	6200	0.208	2030	0.50	6200	0.052	2030
	16C	1607	1.09	6200	0.113	2030	0.72	6200	0.075	2030	1.80	6200	0.187	2030	0.45	6200	0.047	2030
	18C	1824	0.96	6200	0.099	2030	0.64	6200	0.066	2030	1.59	6200	0.165	2030	0.40	6200	0.041	2030
	20C	1994	0.88	6200	0.091	2030	0.58	6200	0.060	2030	1.45	6200	0.151	2030	0.36	6200	0.038	2030
	22C	2264	0.77	6200	0.080	2030	0.51	6200	0.053	2030	1.28	6200	0.133	2030	0.32	6200	0.033	2030
	25C	2573	0.68	6200	0.070	2030	0.45	6200	0.047	2030	1.13	6200	0.117	2030	0.28	6200	0.029	2030
	28C	2923	0.60	6200	0.062	2030	0.40	6200	0.041	2030	0.99	6200	0.103	2030	0.25	6200	0.026	2030
	32C	3323	0.53	6200	0.055	2030	0.35	6200	0.036	2030	0.87	6200	0.090	2030	0.22	6200	0.023	2030
	36C	3582	0.49	6200	0.051	2030	0.32	6200	0.034	2030	0.81	6200	0.084	2030	0.20	6200	0.021	2030
	40C	3992	0.44	5890	0.043	2030	0.29	5890	0.029	2030	0.73	5890	0.071	2030	0.18	5890	0.018	2030
	45C	4539	0.39	5890	0.038	2030	0.26	5890	0.025	2030	0.64	5890	0.063	2030	0.16	5890	0.016	2030

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F0623	6.3	6.27	279.0	4460	20.25	1170	184.9	4540	13.66	1330	462.3	3620	27.23	1070	115.6	4540	8.54	1470
	9.0	8.82	198.4	5420	17.50	1160	131.5	5930	12.69	1300	328.8	4390	23.49	1050	82.20	5930	7.93	1520
	10.	9.89	177.0	5760	16.59	1160	117.3	6400	12.22	1310	293.4	4660	22.25	1050	73.34	6400	7.64	1540
	12.	11.10	157.7	6090	15.63	1160	104.5	6420	10.92	1400	261.3	4950	21.05	1050	65.34	6420	6.83	1640
	14.	14.09	124.2	6820	13.78	1200	82.32	7730	10.35	1390	205.8	5540	18.55	1050	51.45	7900	6.61	1620
	16.	15.98	109.5	7220	12.87	1240	72.61	7970	9.42	1470	181.5	5820	17.19	1060	45.38	7970	5.89	1740
	20.	19.05	91.85	7800	11.66	1290	60.88	7970	7.90	1630	152.2	6180	15.31	1080	38.05	7970	4.94	1920
	22.	21.94	79.77	6610	8.58	1600	52.88	6610	5.69	1980	132.2	6440	13.85	1100	33.05	6620	3.56	2280
	25.	25.52	68.59	7480	8.35	1600	45.46	7480	5.53	2000	113.7	6710	12.41	1150	28.41	7480	3.46	2310
	28.	28.55	61.30	7860	7.84	1640	40.63	7860	5.20	2060	101.6	6940	11.47	1190	25.40	7860	3.25	2390
	32.	30.43	57.52	7970	7.46	1690	38.13	7970	4.94	2120	95.31	7080	10.98	1220	23.83	7970	3.09	2450
	36.	36.06	48.53	7970	6.29	1860	32.17	7970	4.17	2310	80.42	7250	9.49	1330	20.11	7970	2.61	2660
	40.	38.50	45.45	7970	5.90	1930	30.13	7970	3.91	2390	75.32	7340	9.00	1370	18.83	7970	2.44	2750
	50.	47.78	36.63	7970	4.75	2160	24.28	7970	3.15	2660	60.70	7600	7.51	1520	15.18	7970	1.97	3050
	56.	56.34	31.06	7970	4.03	2350	20.59	7970	2.67	2880	51.48	7780	6.52	1640	12.87	7970	1.67	3260
	63.	61.69	28.37	7970	3.68	2470	18.80	7970	2.44	3010	47.01	7860	6.01	1740	11.75	7970	1.52	3260
	71.	75.60	23.15	7760	2.92	3010	15.34	7750	1.94	3260	38.36	7750	4.84	2210	9.59	7750	1.21	3260
	90.	84.26	20.77	5420	1.83	3260	13.77	5900	1.32	3260	34.42	5330	2.99	2430	8.60	5820	0.815	3260
	100	94.50	18.52	4240	1.28	3260	12.28	4240	0.847	3260	30.69	4240	2.12	2740	7.67	4240	0.529	3260
F0633	100	102.2	17.13	7870	2.22	3160	11.35	7970	1.49	3260	28.38	6820	3.18	2420	7.10	7970	0.930	3260
	112	112.5	15.55	7970	2.04	3260	10.31	7970	1.35	3260	25.78	6890	2.92	2520	6.44	7970	0.844	3260
	125	129.4	13.52	7970	1.77	3260	8.96	7970	1.17	3260	22.41	7100	2.62	2660	5.60	7970	0.734	3260
	160	140.7	12.44	7970	1.63	3260	8.24	7970	1.08	3260	20.61	7270	2.46	2740	5.15	7970	0.675	3260
	180	168.9	10.36	7970	1.36	3260	6.87	7970	0.900	3260	17.17	7660	2.16	2920	4.29	7970	0.562	3260
	200	202.7	8.63	7970	1.13	3260	5.72	7970	0.750	3260	14.31	7860	1.85	3150	3.58	7970	0.469	3260
	225	228.4	7.66	7970	1.00	3260	5.08	7970	0.666	3260	12.70	7970	1.66	3260	3.17	7970	0.416	3260
	280	265.5	6.59	7970	0.864	3260	4.37	7970	0.573	3260	10.92	7970	1.43	3260	2.73	7970	0.358	3260
	320	301.3	5.81	7970	0.761	3260	3.85	7970	0.504	3260	9.62	7970	1.26	3260	2.41	7970	0.315	3260
	360	342.6	5.11	7970	0.669	3260	3.39	7970	0.444	3260	8.47	7970	1.11	3260	2.12	7970	0.277	3260
F0643	400	407.4	4.30	7970	0.572	3260	2.85	7970	0.379	3260	7.12	7970	0.948	3260	1.78	7970	0.237	3260
	450	448.6	3.90	7970	0.519	3260	2.59	7970	0.344	3260	6.46	7970	0.860	3260	1.62	7970	0.215	3260
	500	502.0	3.49	7970	0.464	3260	2.31	7970	0.308	3260	5.78	7970	0.769	3260	1.44	7970	0.192	3260
	560	561.0	3.12	7970	0.415	3260	2.07	7970	0.275	3260	5.17	7970	0.688	3260	1.29	7970	0.172	3260
	630	627.7	2.79	7970	0.371	3260	1.85	7970	0.246	3260	4.62	7970	0.615	3260	1.15	7970	0.154	3260
	710	729.3	2.40	7970	0.319	3260	1.59	7970	0.212	3260	3.98	7970	0.529	3260	0.99	7970	0.132	3260
	800	803.2	2.18	7970	0.290	3260	1.44	7970	0.192	3260	3.61	7970	0.481	3260	0.90	7970	0.120	3260
	900	904.3	1.94	7970	0.258	3260	1.28	7970	0.171	3260	3.21	7970	0.427	3260	0.80	7970	0.107	3260
	10C	1019	1.72	7970	0.229	3260	1.14	7970	0.152	3260	2.85	7970	0.379	3260	0.71	7970	0.095	3260
	11C	1086	1.61	7970	0.215	3260	1.07	7970	0.142	3260	2.67	7970	0.355	3260	0.67	7970	0.089	3260
	12C	1262	1.39	7970	0.185	3260	0.92	7970	0.122	3260	2.30	7970	0.306	3260	0.57	7970	0.076	3260
	14C	1433	1.22	7970	0.163	3260	0.81	7970	0.108	3260	2.02	7970	0.269	3260	0.51	7970	0.067	3260
	16C	1629	1.07	7970	0.143	3260	0.71	7970	0.095	3260	1.78	7970	0.237	3260	0.45	7970	0.059	3260
	18C	1813	0.97	7970	0.128	3260	0.64	7970	0.085	3260	1.60	7970	0.213	3260	0.40	7970	0.053	3260
	20C	1982	0.88	7970	0.118	3260	0.59	7970	0.078	3260	1.46	7970	0.195	3260	0.37	7970	0.049	3260
	22C	2250	0.78	7970	0.104	3260	0.52	7970	0.069	3260	1.29	7970	0.172	3260	0.32	7970	0.043	3260
	25C	2558	0.68	7970	0.091	3260	0.45	7970	0.060	3260	1.13	7970	0.151	3260	0.28	7970	0.038	3260
	28C	3016	0.58	7970	0.077	3260	0.38	7970	0.051	3260	0.96	7970	0.128	3260	0.24	7970	0.032	3260
	32C	3303	0.53	7970	0.071	3260	0.35	7970	0.047	3260	0.88	7970	0.117	3260	0.22	7970	0.029	3260
	36C	3560	0.49	7700	0.063	3260	0.33	7700	0.042	3260	0.81	7700	0.105	3260	0.20	7700	0.026	3260
	40C	4048	0.43	7700	0.056	3260	0.29	7700	0.037	3260	0.72	7700	0.092	3260	0.18	7700	0.023	3260

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F0723	6.3	6.42	272.6	8430	37.39	1350	180.7	9740	28.64	1400	451.7	6660	48.95	1330	112.9	10300	18.93	1480
	9.0	8.89	196.8	10000	32.02	1320	130.4	11400	24.20	1370	326.1	7870	41.76	1230	81.52	12100	16.05	1560
	10.	9.99	175.2	10500	29.93	1300	116.1	12100	22.86	1400	290.3	8340	39.40	1230	72.57	12800	15.12	1590
	12.	10.98	159.3	11200	29.04	1280	105.6	12800	22.00	1400	264.0	8820	37.89	1210	66.00	13600	14.61	1600
	14.	14.35	122.0	12300	24.42	1320	80.85	14200	18.68	1510	202.1	9740	32.04	1230	50.53	15000	12.34	1730
	16.	16.31	107.3	12900	22.52	1370	71.11	14900	17.24	1570	177.8	10300	29.80	1230	44.45	15000	10.85	1890
	20.	19.81	88.35	12700	18.26	1600	58.56	12700	12.10	2070	146.4	11100	26.45	1240	36.60	12700	7.56	2440
	22.	21.79	80.32	13300	17.38	1630	53.24	13300	11.52	2120	133.1	11300	24.48	1250	33.27	13300	7.20	2500
	25.	25.04	69.90	14400	16.38	1650	46.33	14400	10.86	2160	115.8	11700	22.05	1290	28.96	14400	6.79	2560
	28.	28.39	61.64	15000	15.05	1720	40.86	15000	9.97	2250	102.1	12300	20.45	1320	25.54	15000	6.23	2670
	32.	31.32	55.88	15000	13.64	1840	37.04	15000	9.04	2390	92.61	12300	18.54	1410	23.15	15000	5.65	2820
	36.	35.86	48.80	15000	11.91	2010	32.35	15000	7.90	2590	80.86	12800	16.84	1480	20.22	15000	4.93	3040
	40.	40.55	43.16	15000	10.54	2180	28.61	15000	6.98	2780	71.52	13000	15.13	1590	17.88	15000	4.36	3250
	50.	47.01	37.23	15000	9.09	2390	24.68	15000	6.02	3020	61.69	13300	13.35	1720	15.42	15000	3.76	3510
	56.	56.07	31.21	15000	7.62	2650	20.69	15000	5.05	3320	51.72	13800	11.62	1860	12.93	15000	3.16	3600
	63.	61.40	28.50	15000	6.96	2790	18.89	15000	4.61	3480	47.23	13800	10.61	1960	11.81	15000	2.88	3600
	71.	73.68	23.75	13800	5.33	3360	15.74	13800	3.54	3600	39.36	13800	8.84	2360	9.84	13800	2.21	3600
	90.	84.78	20.64	10800	3.63	3600	13.68	10800	2.40	3600	34.21	10800	6.01	2860	8.55	10800	1.50	3600
	100	94.20	18.58	9200	2.78	3600	12.31	9200	1.84	3600	30.79	9200	4.61	3170	7.70	9200	1.15	3600
F0733	80.	78.99	22.15	11800	4.30	3600	14.68	12800	3.09	3600	36.71	10300	6.22	2760	9.18	13600	2.05	3600
	90.	91.87	19.05	12400	3.88	3600	12.63	13500	2.80	3600	31.56	10800	5.61	2900	7.89	14400	1.87	3600
	100	102.8	17.02	13300	3.72	3600	11.28	14400	2.67	3600	28.21	11500	5.33	3070	7.05	15000	1.74	3600
	112	109.6	15.97	13300	3.49	3600	10.59	14400	2.51	3600	26.47	11500	5.01	3280	6.62	15000	1.63	3600
	125	129.8	13.48	13800	3.06	3600	8.93	15000	2.20	3600	22.33	11900	4.37	3360	5.58	15000	1.38	3600
	160	138.6	12.62	14100	2.93	3600	8.37	15000	2.06	3600	20.92	12100	4.16	3600	5.23	15000	1.29	3600
	180	172.0	10.17	15000	2.51	3600	6.74	15000	1.66	3600	16.86	12900	3.58	3600	4.21	15000	1.04	3600
	200	202.9	8.63	15000	2.13	3600	5.72	15000	1.41	3600	14.30	13500	3.17	3600	3.57	15000	0.881	3600
	225	222.1	7.88	15000	1.94	3600	5.22	15000	1.29	3600	13.06	13800	2.96	3600	3.26	15000	0.805	3600
	280	272.2	6.43	15000	1.59	3600	4.26	15000	1.05	3600	10.65	14500	2.54	3600	2.66	15000	0.657	3600
	320	303.4	5.77	15000	1.42	3600	3.82	15000	0.943	3600	9.56	15000	2.36	3600	2.39	15000	0.589	3600
	360	340.3	5.14	15000	1.27	3600	3.41	15000	0.841	3600	8.52	15000	2.10	3600	2.13	15000	0.525	3600
F0743	400	399.8	4.38	15000	1.1	3600	2.9	15000	0.727	3600	8.75	15000	2.19	3600	2.19	15000	0.548	3600
	450	453.3	3.86	15000	0.967	3600	2.56	15000	0.641	3600	7.72	15000	1.93	3600	1.93	15000	0.484	3600
	500	499.2	3.51	15000	0.878	3600	2.32	15000	0.582	3600	7.01	15000	1.76	3600	1.75	15000	0.439	3600
	560	550.5	3.18	15000	0.796	3600	2.11	15000	0.528	3600	6.36	15000	1.59	3600	1.59	15000	0.398	3600
	630	624.3	2.8	15000	0.702	3600	1.86	15000	0.466	3600	5.61	15000	1.4	3600	1.4	15000	0.351	3600
	710	713	2.45	15000	0.615	3600	1.63	15000	0.408	3600	4.91	15000	1.23	3600	1.23	15000	0.307	3600
	800	793.1	2.21	15000	0.553	3600	1.46	15000	0.366	3600	4.41	15000	1.11	3600	1.1	15000	0.276	3600
	900	899.3	1.95	15000	0.487	3600	1.29	15000	0.323	3600	3.89	15000	0.975	3600	0.97	15000	0.244	3600
	10C	992	1.76	15000	0.442	3600	1.17	15000	0.293	3600	3.53	15000	0.884	3600	0.88	15000	0.221	3600
	11C	1118	1.57	15000	0.392	3600	1.04	15000	0.26	3600	3.13	15000	0.785	3600	0.78	15000	0.196	3600
	12C	1280	1.37	15000	0.343	3600	0.91	15000	0.227	3600	2.73	15000	0.685	3600	0.68	15000	0.171	3600
	14C	1447	1.21	15000	0.303	3600	0.8	15000	0.201	3600	2.42	15000	0.606	3600	0.6	15000	0.151	3600
	16C	1678	1.04	15000	0.261	3600	0.69	15000	0.173	3600	2.09	15000	0.523	3600	0.52	15000	0.131	3600
	18C	1776	0.99	15000	0.247	3600	0.65	15000	0.164	3600	1.97	15000	0.494	3600	0.49	15000	0.123	3600
	20C	2001	0.87	15000	0.219	3600	0.58	15000	0.145	3600	1.75	15000	0.438	3600	0.44	15000	0.11	3600
	22C	2214	0.79	15000	0.198	3600	0.52	15000	0.131	3600	1.58	15000	0.396	3600	0.4	15000	0.099	3600
	25C	2517	0.7	15000	0.174	3600	0.46	15000	0.115	3600	1.39	15000	0.348	3600	0.35	15000	0.087	3600
	28C	2892	0.61	15000	0.152	3600	0.4	15000	0.1	3600	1.21	15000	0.303	3600	0.3	15000	0.076	3600
	32C	3002	0.58	15000	0.146	3600	0.39	15000	0.097	3600	1.17	15000	0.292	3600	0.29	15000	0.073	3600
	36C	3470	0.5	15000	0.126	3600	0.33	15000	0.084	3600	1.01	15000	0.253	3600	0.25	15000	0.063	3600
	40C	3945	0.44	15000	0.111	3600	0.29	15000	0.074	3600	0.89	15000	0.222	3600	0.22	15000	0.056	3600
	45C	4539	0.39	15000	0.097	3600	0.26	15000	0.064	3600	0.77	15000	0.193	3600	0.19	15000	0.048	3600
	50C	5043	0.35	15000	0.087	3600	0.23	15000	0.058	3600	0.69	15000	0.174	3600	0.17	15000	0.043	3600

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	*i*n	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F0823	6.3	6.24	280.4	12700	57.94	1580	185.8	14700	44.46	1450	560.7	10100	92.16	1520	140.2	15800	36.04	1480
	9.0	8.85	197.8	15500	49.88	1290	131.1	17800	37.97	1670	395.5	12200	78.53	1250	98.88	19100	30.74	1470
	10.	9.83	178.0	16300	47.22	1270	118.0	18700	35.91	1300	356.1	12800	74.17	1230	89.01	20100	29.12	1490
	12.	10.93	160.1	17100	44.54	1240	106.1	19600	33.84	1310	320.1	13500	70.32	1220	80.03	21200	27.61	1510
	14.	14.14	123.8	19000	38.27	1220	82.05	21900	29.24	1330	247.6	15000	60.43	1200	61.89	23500	23.67	1590
	16.	15.87	110.3	19800	35.52	1260	73.08	22800	27.12	1390	220.5	15700	56.34	1190	55.13	24500	21.98	1640
	20.	19.46	89.91	21200	31.02	1350	59.60	24400	23.66	1440	179.8	16800	49.16	1200	44.95	25200	18.44	1870
	22.	21.93	79.79	21800	28.31	1440	52.89	24800	21.34	1540	159.6	17300	44.93	1230	39.89	25700	16.68	2020
	25.	25.53	68.54	22900	25.54	1510	45.44	25200	18.63	1670	137.1	18100	40.38	1230	34.27	26100	14.56	2200
	28.	28.32	61.79	21300	21.42	1840	40.96	21300	14.20	1850	123.6	18700	37.61	1260	30.90	21300	10.71	2940
	32.	30.99	56.46	20400	18.75	2070	37.43	20400	12.43	2460	112.9	18800	34.55	1350	28.23	20400	9.37	3200
	36.	35.06	49.91	22000	17.87	2080	33.08	22000	11.84	2710	99.82	19500	31.68	1420	24.95	22000	8.93	3370
	40.	39.58	44.22	23000	16.55	2140	29.31	23100	11.02	2750	88.43	19900	28.64	1520	22.11	23100	8.31	3380
	50.	47.98	36.47	25000	14.84	2230	24.18	25000	9.84	2840	72.95	20400	24.22	1720	18.24	25000	7.42	3550
	56.	55.95	31.28	26300	13.39	2360	20.73	26800	9.04	3090	62.55	20800	21.17	1880	15.64	26800	6.82	3690
	63.	61.46	28.47	26800	12.42	2480	18.87	27000	8.29	3160	56.95	21200	19.65	1960	14.24	27000	6.26	3780
	71.	75.32	23.23	27000	10.21	2790	15.40	27000	6.77	3500	46.47	21800	16.49	2210	11.62	27000	5.10	3830
	90.	82.25	21.28	27000	9.35	3110	14.10	27000	6.20	4000	42.55	22000	15.23	2330	10.64	27000	4.67	4000
	100	94.71	18.48	20800	6.25	4000	12.25	22300	4.44	4000	36.95	21600	12.99	2600	9.24	23300	3.50	4000
F0833	100	102.4	17.09	27000	7.59	3470	11.33	27000	5.03	4000	34.18	26100	14.67	2220	8.55	27000	3.79	4000
	112	112.1	15.62	27000	6.93	3670	10.35	27000	4.60	4000	31.24	26400	13.56	2350	7.81	27000	3.47	4000
	125	126.8	13.80	27000	6.13	3950	9.15	27000	4.06	4000	27.61	26800	12.17	2530	6.90	27000	3.06	4000
	160	143.1	12.23	27000	5.43	4000	8.11	27000	3.60	4000	24.46	27000	10.86	2740	6.11	27000	2.71	4000
	180	173.5	10.09	27000	4.48	4000	6.69	27000	2.97	4000	20.18	27000	8.96	3120	5.04	27000	2.24	4000
	200	202.3	8.65	27000	3.84	4000	5.73	27000	2.55	4000	17.30	27000	7.68	3440	4.33	27000	1.92	4000
	225	222.2	7.88	27000	3.50	4000	5.22	27000	2.32	4000	15.75	27000	6.99	3650	3.94	27000	1.75	4000
	280	272.3	6.43	27000	2.85	4000	4.26	27000	1.89	4000	12.85	27000	5.71	4000	3.21	27000	1.43	4000
	320	297.4	5.89	27000	2.61	4000	3.90	27000	1.73	4000	11.77	27000	5.23	4000	2.94	27000	1.31	4000
	360	342.4	5.11	27000	2.27	4000	3.39	27000	1.50	4000	10.22	27000	4.54	4000	2.56	27000	1.13	4000
F0843	400	388.5	4.50	27000	2.03	4000	2.99	27000	1.35	4000	9.01	27000	4.06	4000	2.25	27000	1.02	4000
	450	439.5	3.98	27000	1.80	4000	2.64	27000	1.19	4000	7.96	27000	3.59	4000	1.99	27000	0.898	4000
	500	496.2	3.53	27000	1.59	4000	2.34	27000	1.05	4000	7.05	27000	3.18	4000	1.76	27000	0.795	4000
	560	577.1	3.03	27000	1.37	4000	2.01	27000	0.906	4000	6.07	27000	2.74	4000	1.52	27000	0.684	4000
	630	601.5	2.91	27000	1.31	4000	1.93	27000	0.870	4000	5.82	27000	2.62	4000	1.45	27000	0.656	4000
	710	701.4	2.49	27000	1.13	4000	1.65	27000	0.746	4000	4.99	27000	2.25	4000	1.25	27000	0.563	4000
	800	815.8	2.15	27000	0.967	4000	1.42	27000	0.641	4000	4.29	27000	1.93	4000	1.07	27000	0.484	4000
	900	912.7	1.92	27000	0.865	4000	1.27	27000	0.573	4000	3.83	27000	1.73	4000	0.96	27000	0.432	4000
	10C	1003	1.75	27000	0.787	4000	1.16	27000	0.522	4000	3.49	27000	1.57	4000	0.87	27000	0.394	4000
	11C	1098	1.59	27000	0.719	4000	1.06	27000	0.476	4000	3.19	27000	1.44	4000	0.80	27000	0.359	4000
	12C	1231	1.42	27000	0.641	4000	0.94	27000	0.425	4000	2.84	27000	1.28	4000	0.71	27000	0.321	4000
	14C	1352	1.29	27000	0.584	4000	0.86	27000	0.387	4000	2.59	27000	1.17	4000	0.65	27000	0.292	4000
	16C	1657	1.06	27000	0.476	4000	0.70	27000	0.316	4000	2.11	27000	0.952	4000	0.53	27000	0.238	4000
	18C	1801	0.97	27000	0.438	4000	0.64	27000	0.290	4000	1.94	27000	0.876	4000	0.49	27000	0.219	4000
	20C	1979	0.88	27000	0.399	4000	0.59	27000	0.264	4000	1.77	27000	0.798	4000	0.44	27000	0.199	4000
	22C	2167	0.81	27000	0.364	4000	0.54	27000	0.241	4000	1.62	27000	0.729	4000	0.40	27000	0.182	4000
	25C	2425	0.72	27000	0.325	4000	0.48	27000	0.216	4000	1.44	27000	0.651	4000	0.36	27000	0.163	4000
	28C	2655	0.66	27000	0.297	4000	0.44	27000	0.197	4000	1.32	27000	0.594	4000	0.33	27000	0.149	4000
	32C	3254	0.54	27000	0.243	4000	0.36	27000	0.161	4000	1.08	27000	0.485	4000	0.27	27000	0.121	4000
	36C	3627	0.48	27000	0.218	4000	0.32	27000	0.144	4000	0.97	27000	0.435	4000	0.24	27000	0.109	4000
	40C	4067	0.43	27000	0.194	4000	0.29	27000	0.129	4000	0.86	27000	0.388	4000	0.22	27000	0.097	4000
	45C	4442	0.39	27000	0.178	4000	0.26	27000	0.118	4000	0.79	27000	0.355	4000	0.20	27000	0.089	4000
	50C	5114	0.34	27000	0.154	4000	0.23	27000	0.102	4000	0.68	27000	0.309	4000	0.17	27000	0.077	4000

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F0923	6.3	6.57	266.5	24400	105.8	5170	176.7	28100	80.78	5620	533.0	19300	167.4	4870	133.3	29100	63.10	5950
	9.0	9.04	193.6	28900	91.04	5210	128.3	33100	69.12	5670	387.2	22700	143.0	4950	96.79	36400	57.34	6140
	10.	10.13	172.7	30400	85.45	5200	114.5	35000	65.21	5800	345.4	24100	135.5	4710	86.36	38000	53.40	6300
	12.	11.37	153.9	32100	80.38	5280	102.0	36900	61.25	5940	307.7	25400	127.2	4470	76.93	38000	47.58	6650
	14.	14.66	119.4	36100	70.15	5580	79.15	38000	48.94	6560	238.8	28600	111.1	4600	59.70	38000	36.92	7460
	16.	16.37	106.9	37300	64.88	5780	70.85	38000	43.81	6910	213.8	29500	102.6	4760	53.44	38000	33.05	7830
	20.	20.45	85.58	38000	52.93	6330	56.73	38000	35.08	7630	171.2	31700	88.30	5070	42.79	38000	26.46	7950
	22.	22.70	77.09	38000	47.67	6640	51.10	38000	31.60	7950	154.2	33000	82.80	5210	38.54	38000	23.84	7950
	25.	25.88	67.61	38000	41.81	7050	44.81	38000	27.71	7950	135.2	34300	75.48	5430	33.80	38000	20.90	7950
	28.	29.11	60.11	38000	37.17	7430	39.84	38000	24.64	7950	120.2	35800	70.04	5580	30.05	38000	18.58	7950
	32.	32.96	53.10	38000	32.84	7850	35.20	38000	21.77	7950	106.2	36300	62.73	5890	26.55	38000	16.42	7950
	36.	36.69	47.70	38000	29.50	7950	31.62	38000	19.55	7950	95.40	37100	57.60	6110	23.85	38000	14.75	7950
	40.	40.76	42.93	38000	26.55	7950	28.46	38000	17.60	7950	85.87	37400	52.26	6380	21.47	38000	13.27	7950
	50.	49.85	35.10	38000	21.71	7950	23.27	38000	14.39	7950	70.21	38000	43.42	6930	17.55	38000	10.85	7950
	56.	57.58	30.39	38000	18.80	7950	20.15	38000	12.46	7950	60.79	38000	37.59	7400	15.20	38000	9.40	7950
	63.	63.56	27.53	38000	17.03	7950	18.25	38000	11.29	7950	55.06	38000	34.05	7730	13.77	38000	8.51	7950
	71.	77.26	22.65	38000	14.01	7950	15.02	38000	9.29	7950	45.30	38000	28.02	7950	11.33	38000	7.00	7950
	90.	87.44	20.01	38000	12.38	7950	13.27	38000	8.20	7950	40.03	38000	24.75	7950	10.01	38000	6.19	7950
	100	98.32	17.80	38000	11.01	7950	11.80	38000	7.30	7950	35.60	38000	22.01	7950	8.90	38000	5.50	7950
F0933	100	105.3	16.63	38000	10.39	7950	11.02	38000	6.89	7950	33.25	38000	20.78	7950	8.31	38000	5.19	7950
	112	115.2	15.19	38000	9.49	7950	10.07	38000	6.29	7950	30.38	38000	18.98	7950	7.60	38000	4.75	7950
	125	130.3	13.43	38000	8.39	7950	8.90	38000	5.56	7950	26.86	38000	16.78	7950	6.71	38000	4.19	7950
	160	147.1	11.90	38000	7.43	7950	7.89	38000	4.93	7950	23.79	38000	14.87	7950	5.95	38000	3.72	7950
	180	178.3	9.81	38000	6.13	7950	6.50	38000	4.06	7950	19.63	38000	12.26	7950	4.91	38000	3.07	7950
	200	208.0	8.41	38000	5.26	7950	5.58	38000	3.49	7950	16.83	38000	10.52	7950	4.21	38000	2.63	7950
	225	228.4	7.66	38000	4.79	7950	5.08	38000	3.17	7950	15.32	38000	9.57	7950	3.83	38000	2.39	7950
	280	279.9	6.25	38000	3.91	7950	4.14	38000	2.59	7950	12.50	38000	7.81	7950	3.13	38000	1.95	7950
	320	305.7	5.72	38000	3.58	7950	3.79	38000	2.37	7950	11.45	38000	7.15	7950	2.86	38000	1.79	7950
	360	352.0	4.97	38000	3.11	7950	3.30	38000	2.06	7950	9.94	38000	6.21	7950	2.49	38000	1.55	7950
F0943	400	413.2	4.24	38000	2.69	7950	2.81	38000	1.78	7950	8.47	38000	5.38	7950	2.12	38000	1.34	7950
	450	459.9	3.81	38000	2.41	7950	2.52	38000	1.60	7950	7.61	38000	4.83	7950	1.90	38000	1.21	7950
	500	511.0	3.42	38000	2.17	7950	2.27	38000	1.44	7950	6.85	38000	4.35	7950	1.71	38000	1.09	7950
	560	573.0	3.05	38000	1.94	7950	2.02	38000	1.28	7950	6.11	38000	3.88	7950	1.53	38000	0.969	7950
	630	637.9	2.74	38000	1.74	7950	1.82	38000	1.15	7950	5.49	38000	3.48	7950	1.37	38000	0.871	7950
	710	708.7	2.47	38000	1.57	7950	1.64	38000	1.04	7950	4.94	38000	3.13	7950	1.23	38000	0.784	7950
	800	807.1	2.17	38000	1.38	7950	1.44	38000	0.912	7950	4.34	38000	2.75	7950	1.08	38000	0.688	7950
	900	896.7	1.95	38000	1.24	7950	1.29	38000	0.821	7950	3.90	38000	2.48	7950	0.98	38000	0.619	7950
	10C	1002	1.75	38000	1.11	7950	1.16	38000	0.735	7950	3.49	38000	2.22	7950	0.87	38000	0.554	7950
	11C	1113	1.57	38000	1.00	7950	1.04	38000	0.662	7950	3.15	38000	2.00	7950	0.79	38000	0.499	7950
	12C	1267	1.38	38000	0.877	7950	0.92	38000	0.581	7950	2.76	38000	1.75	7950	0.69	38000	0.438	7950
	14C	1398	1.25	38000	0.794	7950	0.83	38000	0.526	7950	2.50	38000	1.59	7950	0.63	38000	0.397	7950
	16C	1605	1.09	38000	0.692	7950	0.72	38000	0.459	7950	2.18	38000	1.38	7950	0.55	38000	0.346	7950
	18C	1761	0.99	38000	0.631	7950	0.66	38000	0.418	7950	1.99	38000	1.26	7950	0.50	38000	0.315	7950
	20C	2030	0.86	38000	0.547	7950	0.57	38000	0.363	7950	1.72	38000	1.09	7950	0.43	38000	0.274	7950
	22C	2241	0.78	38000	0.496	7950	0.52	38000	0.329	7950	1.56	38000	0.991	7950	0.39	38000	0.248	7950
	25C	2487	0.70	38000	0.447	7950	0.47	38000	0.296	7950	1.41	38000	0.893	7950	0.35	38000	0.223	7950
	28C	2772	0.63	38000	0.401	7950	0.42	38000	0.266	7950	1.26	38000	0.801	7950	0.32	38000	0.200	7950
	32C	3109	0.56	38000	0.357	7950	0.37	38000	0.237	7950	1.13	38000	0.714	7950	0.28	38000	0.179	7950
	36C	3720	0.47	38000	0.299	7950	0.31	38000	0.198	7950	0.94	38000	0.597	7950	0.24	38000	0.149	7950
	40C	4172	0.42	38000	0.266	7950	0.28	38000	0.176	7950	0.84	38000	0.532	7950	0.21	38000	0.133	7950
	45C	4722	0.37	38000	0.235	7950	0.25	38000	0.156	7950	0.74	38000	0.470	7950	0.19	38000	0.118	7950
	50C	5310	0.33	38000	0.209	7950	0.22	38000	0.139	7950	0.66	38000	0.418	7950	0.16	38000	0.105	7950

Note: Input power Pm may exceed thermal power rating

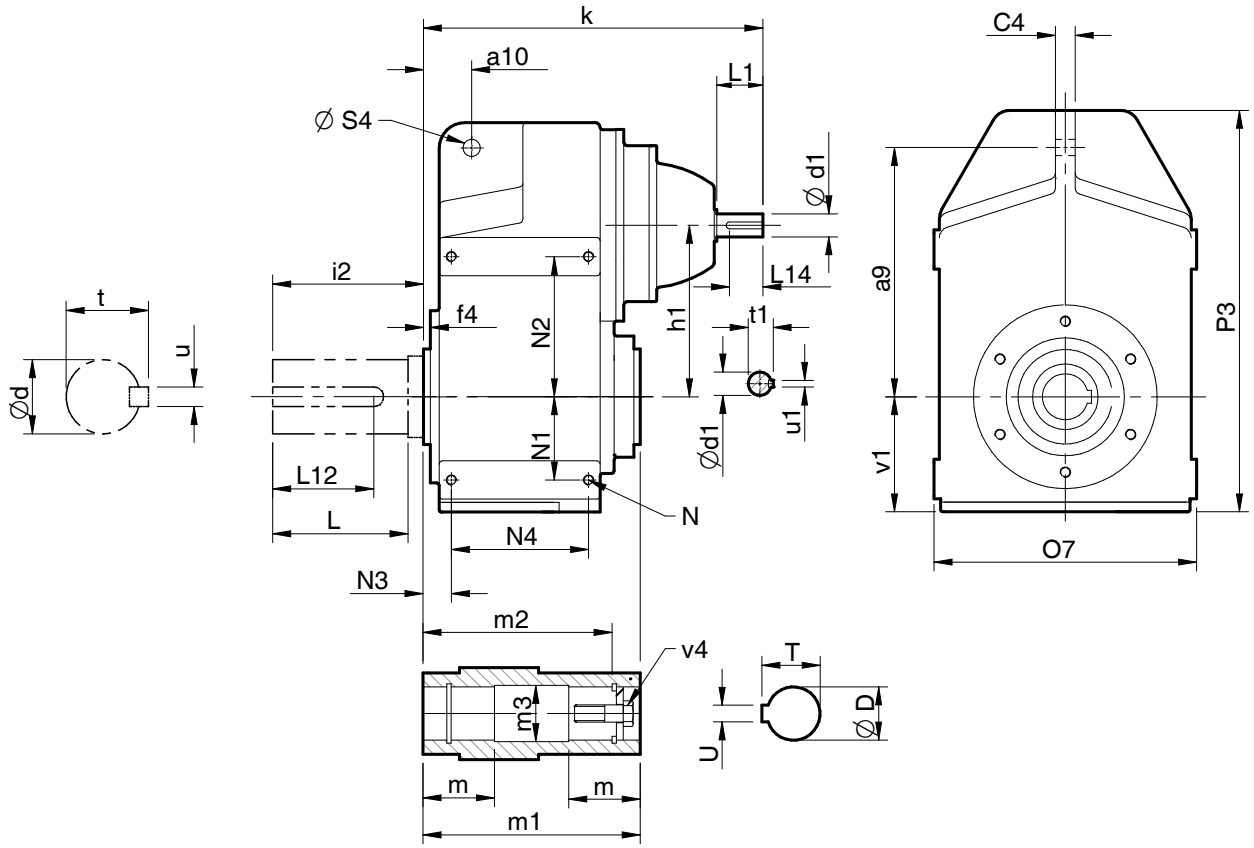
RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

			n1 = 1750				*n1* = 1160				*n1* = 3500				*n1* = 875			
	in	*i*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*	*n2*	*M2*	*Pm*	*Fra*
F1023	6.3	6.43	272.1	42700	189.0	9750	180.3	42700	125.3	9750	544.10	35000	309.9	8180	136.0	43700	96.7	9750
	9.0	8.99	194.8	53100	168.3	9750	129.1	55600	116.8	9750	389.51	42000	266.2	8190	97.38	55700	88.27	9750
	10.	9.77	179.1	55400	161.4	9750	118.7	59200	114.4	9750	358.15	43800	255.3	9020	89.54	59200	86.26	9750
	12.	11.10	157.7	58800	150.9	9750	104.5	65000	110.5	9750	315.32	46500	238.6	8960	78.83	65000	83.38	9750
	14.	14.46	121.0	65600	129.2	9750	80.23	67500	88.13	9750	242.08	52000	204.9	8890	60.52	67500	66.48	9750
	16.	15.61	112.1	66600	121.5	9750	74.31	66700	80.66	9750	224.22	52800	192.7	8870	56.06	66700	60.85	9750
	20.	20.05	87.26	70000	99.40	9750	57.84	70000	65.89	9750	174.52	58100	165.0	8770	43.63	70000	49.70	9750
	22.	22.76	76.88	70700	88.45	9750	50.96	70700	58.63	9750	153.76	60400	151.1	8930	38.44	70700	44.23	9750
	25.	25.77	67.91	70100	77.47	9750	45.02	70100	51.35	9750	135.83	61800	136.6	9140	33.96	70100	38.74	9750
	28.	29.07	60.20	59100	57.90	9750	39.90	59200	38.44	9750	120.39	59000	115.6	9650	30.10	59200	29.00	9750
	32.	32.30	54.18	65900	58.10	9750	35.91	65900	38.51	9750	108.35	65800	116.0	9750	27.09	65900	29.05	9750
	36.	35.32	49.55	71000	57.25	9750	32.84	71000	37.95	9750	99.10	67000	108.1	9750	24.77	71000	28.63	9750
	40.	39.25	44.59	71000	51.52	9750	29.56	71000	34.15	9750	89.18	67700	98.25	9750	22.30	71000	25.76	9750
	50.	46.38	37.73	71000	43.59	9750	25.01	71000	28.90	9750	75.46	70300	86.33	9750	18.87	71000	21.80	9750
	56.	55.97	31.27	71000	36.13	9750	20.73	71000	23.95	9750	62.54	71000	72.26	9750	15.63	71000	18.06	9750
	63.	64.49	27.14	71000	31.36	9750	17.99	71000	20.78	9750	54.28	71000	62.71	9750	13.57	71000	15.68	9750
	71.	74.83	23.39	71000	27.02	9750	15.50	71000	17.91	9750	46.78	71000	54.05	9750	11.69	71000	13.51	9750
	90.	87.21	20.07	71000	23.18	9750	13.30	71000	15.37	9750	40.13	71000	46.37	9750	10.03	71000	11.59	9750
	100	93.70	18.68	71000	21.58	9750	12.38	71000	14.30	9750	37.35	71000	43.16	9750	9.34	71000	10.79	9750
F1033	100	104.9	16.69	71000	19.48	9750	11.06	71000	12.91	9750	33.38	71000	38.96	9750	8.34	71000	9.74	9750
	112	118.7	14.74	71000	17.21	9750	9.77	71000	11.41	9750	29.48	71000	34.42	9750	7.37	71000	8.60	9750
	125	132.1	13.24	71000	15.46	9750	8.78	71000	10.25	9750	26.49	71000	30.92	9750	6.62	71000	7.73	9750
	160	146.8	11.92	71000	13.92	9750	7.90	71000	9.22	9750	23.84	71000	27.83	9750	5.96	71000	6.96	9750
	180	179.6	9.75	71000	11.38	9750	6.46	71000	7.54	9750	19.49	71000	22.76	9750	4.87	71000	5.69	9750
	200	207.4	8.44	71000	9.85	9750	5.59	71000	6.53	9750	16.88	71000	19.70	9750	4.22	71000	4.93	9750
	225	228.9	7.64	71000	8.92	9750	5.07	71000	5.92	9750	15.29	71000	17.85	9750	3.82	71000	4.46	9750
	280	278.3	6.29	71000	7.34	9750	4.17	71000	4.87	9750	12.58	71000	14.68	9750	3.14	71000	3.67	9750
	320	314.9	5.56	71000	6.49	9750	3.68	71000	4.30	9750	11.11	71000	12.97	9750	2.78	71000	3.24	9750
	360	354.1	4.94	71000	5.77	9750	3.28	71000	3.82	9750	9.88	71000	11.54	9750	2.47	71000	2.88	9750
F1043	400	411.3	4.25	71000	5.04	9750	2.82	71000	3.34	9750	8.51	71000	10.09	9750	2.13	71000	2.52	9750
	450	457.9	3.82	71000	4.53	9750	2.53	71000	3.00	9750	7.64	71000	9.06	9750	1.91	71000	2.27	9750
	500	508.7	3.44	71000	4.08	9750	2.28	71000	2.70	9750	6.88	71000	8.16	9750	1.72	71000	2.04	9750
	560	565.6	3.09	71000	3.67	9750	2.05	71000	2.43	9750	6.19	71000	7.34	9750	1.55	71000	1.83	9750
	630	622.2	2.81	71000	3.34	9750	1.86	71000	2.21	9750	5.63	71000	6.67	9750	1.41	71000	1.67	9750
	710	715.0	2.45	71000	2.90	9750	1.62	71000	1.92	9750	4.90	71000	5.81	9750	1.22	71000	1.45	9750
	800	810.7	2.16	71000	2.56	9750	1.43	71000	1.70	9750	4.32	71000	5.12	9750	1.08	71000	1.28	9750
	900	894.2	1.96	71000	2.32	9750	1.30	71000	1.54	9750	3.91	71000	4.64	9750	0.98	71000	1.16	9750
	10C	1024	1.71	71000	2.03	9750	1.133	71000	1.34	9750	3.42	71000	4.05	9750	0.85	71000	1.01	9750
	11C	1140	1.53	71000	1.82	9750	1.017	71000	1.21	9750	3.07	71000	3.64	9750	0.77	71000	0.910	9750
	12C	1256	1.39	71000	1.65	9750	0.923	71000	1.09	9750	2.79	71000	3.30	9750	0.70	71000	0.826	9750
	14C	1386	1.26	71000	1.50	9750	0.837	71000	0.993	9750	2.53	71000	2.99	9750	0.63	71000	0.749	9750
	16C	1601	1.093	71000	1.30	9750	0.724	71000	0.859	9750	2.19	71000	2.59	9750	0.55	71000	0.648	9750
	18C	1794	0.975	71000	1.16	9750	0.646	71000	0.767	9750	1.95	71000	2.31	9750	0.49	71000	0.578	9750
	20C	2025	0.864	71000	1.02	9750	0.573	71000	0.679	9750	1.73	71000	2.05	9750	0.43	71000	0.512	9750
	22C	2236	0.783	71000	0.928	9750	0.519	71000	0.615	9750	1.57	71000	1.86	9750	0.39	71000	0.464	9750
	25C	2481	0.705	71000	0.836	9750	0.467	71000	0.554	9750	1.41	71000	1.67	9750	0.35	71000	0.418	9750
	28C	2796	0.626	71000	0.742	9750	0.415	71000	0.492	9750	1.25	71000	1.48	9750	0.31	71000	0.371	9750
	32C	3261	0.537	71000	0.636	9750	0.356	71000	0.422	9750	1.07	71000	1.27	9750	0.27	71000	0.318	9750
	36C	3752	0.466	71000	0.553	9750	0.309	71000	0.367	9750	0.93	71000	1.11	9750	0.23	71000	0.277	9750
	40C	4168	0.420	71000	0.498	9750	0.278	71000	0.330	9750	0.84	71000	0.996	9750	0.21	71000	0.249	9750
	45C	4718	0.371	71000	0.440	9750	0.246	71000	0.292	9750	0.74	71000	0.880	9750	0.19	71000	0.220	9750
	50C	5305	0.330	71000	0.391	9750	0.219	71000	0.259	9750	0.66	71000	0.782	9750	0.16	71000	0.196	9750

Note: Input power Pm may exceed thermal power rating

DIMENSIONS
DOUBLE / TRIPLE REDUCTION



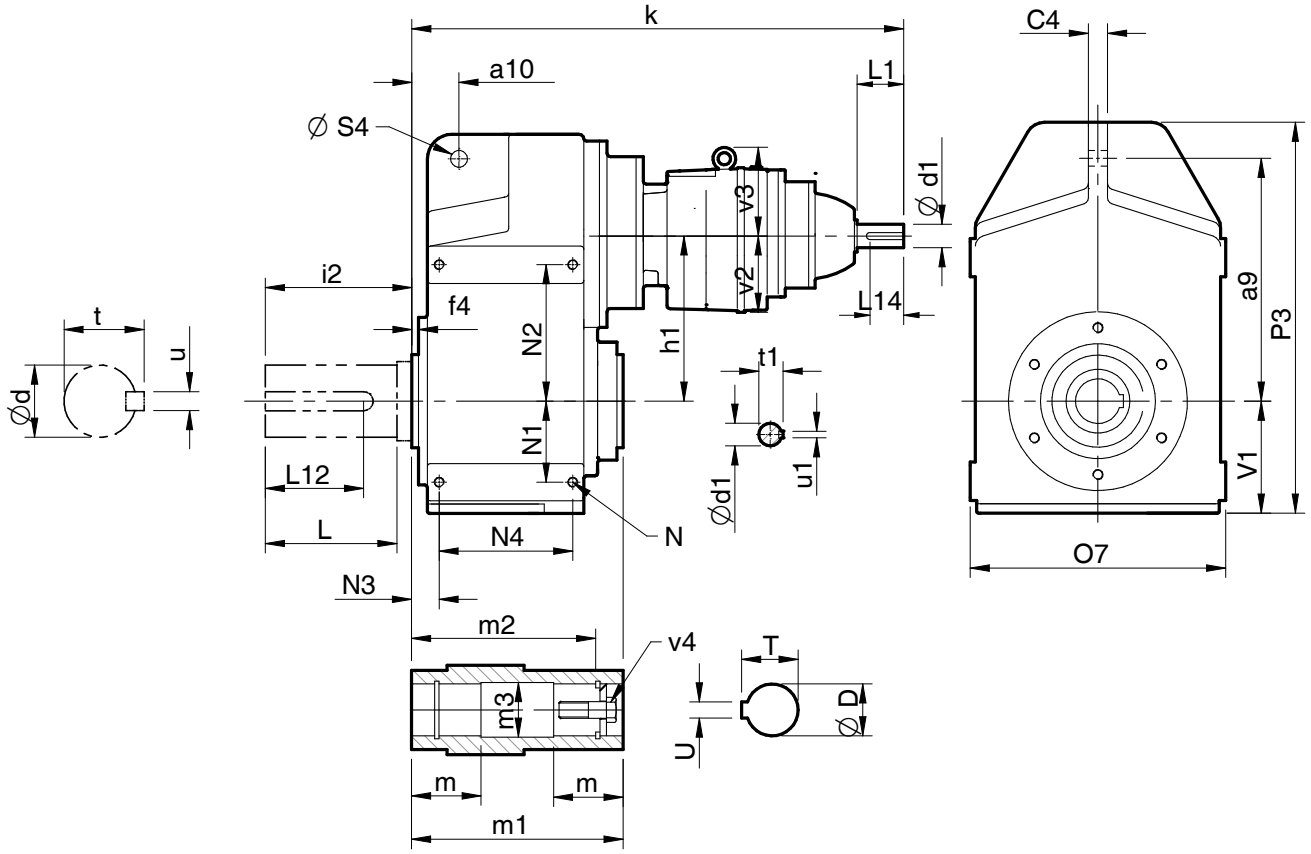
	a9	a10	C4	f4	h1	N	N1	N2	N3	N4	O7	P3	S4	v1
F0223 - F0233	5.51	0.98	0.39	0.20	3.78	M8	1.89	1.50	0.85	2.68	5.67	8.82	0.55	2.32
F0323 - F0333	6.22	1.24	0.47	0.12	4.05	M8	1.22	3.31	0.89	3.03	6.50	9.92	0.55	3.03
F0423 - F0433	6.69	1.26	0.47	0.12	4.72	M10	1.97	2.36	0.94	3.54	6.54	11.10	0.55	3.35
F0523 - F0533	7.80	1.59	0.55	0.12	5.61	M12	2.17	4.53	1.36	4.02	7.87	12.80	0.55	3.66
F0623 - F0633	8.58	1.61	0.63	0.08	6.30	M12	2.56	3.35	1.10	4.92	8.90	14.45	0.55	4.33
F0723 - F0733	10.94	1.97	0.79	0.08	7.87	M16	3.35	4.53	1.18	5.91	10.47	17.68	0.87	5.28
F0823 - F0833	13.62	2.44	1.02	0.12	8.90	M16	3.94	3.94	1.38	6.69	12.60	20.71	0.87	5.83
F0923 - F0933	15.55	2.76	1.18	0.20	10.79	M16	4.92	8.86	1.50	8.46	15.12	24.09	1.06	6.89
F1023 - F1033	19.09	3.46	1.42	0.22	13.07	M20	6.22	10.71	1.63	9.84	17.87	29.45	1.06	8.50

	k	d1	L1	L14	t1	u1
F0223	9.09	0.625 /0.6245	1.57	1.28	0.70	0.19
F0233	9.69	0.625 /0.6245	1.57	1.28	0.70	0.19
F0323	9.25	0.625 /0.6245	1.57	1.28	0.70	0.19
F0333	9.76	0.625 /0.6245	1.57	1.28	0.70	0.19
F0423	9.76	0.625 /0.6245	1.57	1.28	0.70	0.19
F0433	10.28	0.625 /0.6245	1.57	1.28	0.70	0.19
F0523	10.91	0.750 /0.7495	1.57	1.28	0.83	0.19
F0533	11.22	0.625 /0.6245	1.57	1.28	0.70	0.19
F0623	11.65	0.750 /0.7495	1.57	1.28	0.83	0.19
F0633	11.97	0.625 /0.6245	1.57	1.28	0.70	0.19
F0723	13.19	0.875 /0.8745	1.97	1.28	0.96	0.19
F0733	13.66	0.750 /0.7495	1.57	1.28	0.83	0.19
F0823	16.06	1.125 /1.1245	2.36	2.00	1.23	0.25
F0833	15.47	0.875 /0.8745	1.97	1.28	0.96	0.19
F0923	19.33	1.375 /1.3745	3.15	2.40	1.51	0.31
F0933	19.41	1.125 /1.1245	2.36	2.00	1.23	0.25
F1023	22.68	1.6250/1.6240	4.33	3.69	1.79	0.38
F1033	22.76	1.375 /1.3745	3.15	2.40	1.51	0.31

D	m	m1	m2	m3	T	U	v4
1.001 /1.000	1.80	4.63	3.50	1.02	1.11	0.250	0.375 UNF x 2.00
1.251 / 1.250	2.00	4.72	4.13	1.27	1.37	0.250	0.375 UNF x 2.00
1.376 / 1.375	2.56	5.91	5.20	1.39	1.52	0.312	0.500 UNF x 2.25
1.501 / 1.500	2.56	6.54	5.59	1.52	1.67	0.375	0.625 UNF x 2.75
1.501 / 1.500	3.54	7.87	6.14	1.52	1.67	0.375	0.625 UNF x 2.75
2.001 / 2.000	4.13	9.25	7.20	2.02	2.23	0.500	0.625 UNF x 2.75
2.376 / 2.375	4.60	10.43	8.27	2.40	2.66	0.625	0.750 UNF x 3.25
2.751 / 2.750	5.80	12.99	10.63	2.77	3.04	0.625	0.750 UNF x 3.25
3.626 / 3.625	6.50	14.57	12.32	3.64	3.8	0.875	0.750 UNF x 4.25

d	i2	L	L12	t	u
-	-	-	-	-	-
1.000 / 0.9995	1.97	1.85	1.57	1.11	0.250
1.250 /1.2495	2.36	2.20	1.97	1.36	0.250
1.375 /1.3745	2.75	2.60	2.36	1.51	0.312
1.625 /1.624	3.19	2.99	2.76	1.78	0.375
2.000 / 1.999	3.98	3.74	3.15	2.23	0.500
2.375 / 2.274	4.72	4.49	3.94	2.65	0.625
2.875 / 2.874	5.55	5.31	4.33	3.20	0.750
3.625 / 3.624	6.77	6.50	5.51	4.01	0.875

DIMENSIONS
QUADRUPLE REDUCTION



	a9	a10	C4	f4	h1	N	N1	N2	N3	N4	O7	P3	S4	v1	v2	v3
F0343	6.22	1.24	0.47	0.12	4.05	M8	1.22	3.31	0.89	3.03	6.50	9.92	0.55	3.03	2.99	2.91
F0443	6.69	1.26	0.47	0.12	4.72	M10	1.97	2.36	0.94	3.54	6.54	11.10	0.55	3.35	2.99	2.91
F0543	7.80	1.59	0.55	0.12	5.61	M12	2.17	4.53	1.36	4.02	7.87	12.80	0.55	3.66	3.58	3.54
F0643	8.58	1.61	0.63	0.08	6.30	M12	2.56	3.35	1.10	4.92	8.90	14.45	0.55	4.33	3.58	3.54
F0743	10.94	1.97	0.79	0.08	7.87	M16	3.35	4.53	1.18	5.91	10.47	17.68	0.87	5.28	3.58	3.54
F0843	13.62	2.44	1.02	0.12	8.90	M16	3.94	3.94	1.38	6.69	12.60	20.71	0.87	5.83	4.53	3.66
F0943	15.55	2.76	1.18	0.20	10.79	M16	4.92	8.86	1.50	8.46	15.12	24.09	1.06	6.89	4.53	3.66
F1043	19.09	3.46	1.42	0.22	13.07	M20	6.22	10.71	1.63	9.84	17.87	29.45	1.06	8.50	5.51	6.10

	k	d1	L1	L14	t1	u1	D	m	m1	m2	m3	T	U	v4	d	i2	L	L12	t	u
F0343	16.57	0.625 /0.6245	1.57	1.28	0.70	0.19	1.251 / 1.250	2.00	4.72	4.13	1.27	1.37	0.25	0.375 UNF x 2.00	1.000 /0.9995	1.97	1.85	1.57	1.11	0.250
F0443	17.09	0.625 /0.6245	1.57	1.28	0.70	0.19	1.376 / 1.375	2.56	5.91	5.20	1.39	1.52	0.31	0.500 UNF x 2.25	1.250 /1.2495	2.36	2.20	1.97	1.36	0.250
F0543	18.86	0.625 /0.6245	1.57	1.28	0.70	0.19	1.501 / 1.500	2.56	6.54	5.59	1.52	1.67	0.38	0.625 UNF x 2.75	1.375 /1.3745	2.75	2.60	2.36	1.51	0.312
F0643	19.61	0.625 /0.6245	1.57	1.28	0.70	0.19	1.501 / 1.500	3.54	7.87	6.14	1.52	1.67	0.38	0.625 UNF x 2.75	1.625 /1.624	3.19	2.99	2.76	1.78	0.375
F0743	21.02	0.625 /0.6245	1.57	1.28	0.70	0.19	2.001 / 2.000	4.13	9.25	7.20	2.02	2.23	0.50	0.625 UNF x 2.75	2.000 /1.999	3.98	3.74	3.15	2.23	0.500
F0843	23.78	0.750 /0.7495	1.57	1.28	0.83	0.19	2.376 / 2.375	4.60	10.43	8.27	2.40	2.66	0.63	0.750 UNF x 3.25	2.375 /2.274	4.72	4.49	3.94	2.65	0.625
F0943	26.10	0.750 /0.7495	1.57	1.28	0.83	0.19	2.751 / 2.750	5.80	12.99	10.63	2.77	3.04	0.63	0.750 UNF x 3.25	2.875 /2.874	5.55	5.31	4.33	3.20	0.750
F1043	29.53	0.875 / 0.8745	1.97	1.28	0.96	0.19	3.626 / 3.625	6.50	14.57	12.32	3.64	3.80	0.88	0.750 UNF x 4.25	3.625 /3.624	6.77	6.50	5.51	4.01	0.875

Column 10 Entry

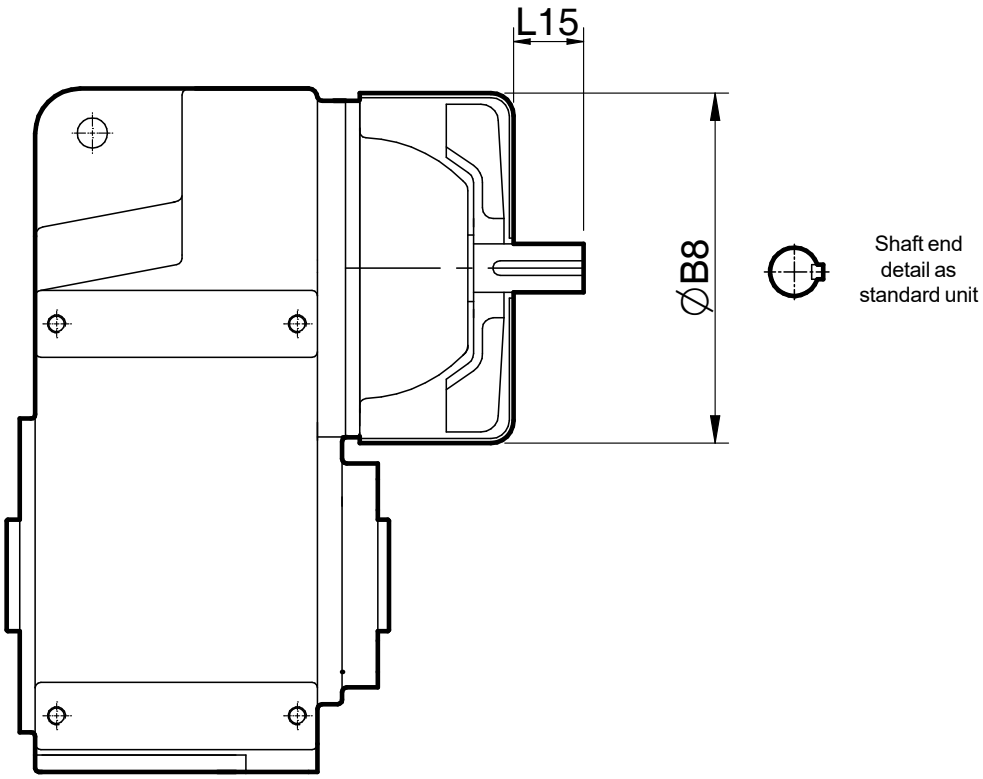
For reducer fan kit modules enter [S] in column 10

or if used in conjunction with a reducer backstop module kit [Y] CW rotation

[Z] CCW rotation

F

Dimensions of Fan Cooled Units



	øB8	k	L13	L15
F0723	8.86	13.19	0.20	1.38
F0823	10.43	16.06	0.20	1.77
F0923	12.60	19.33	0.20	2.56
F1023	14.96	22.68	0.39	3.74

REDUCER BACKSTOP MODULE

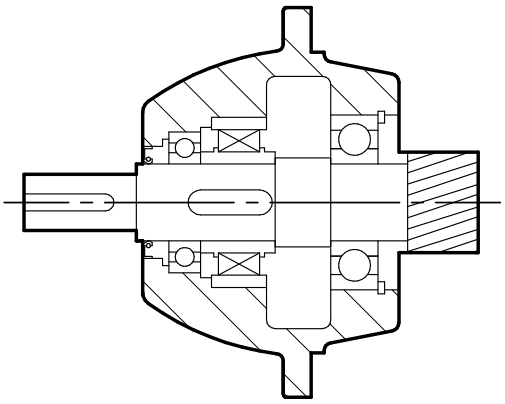
The reducer units listed below can be fitted with an internal backstop, this has no effect of the external unit size. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (n min). To ensure correct operation input speed must exceed lift off speed.

Suitable for ambient temperature -40°C to + 120°F

Column 10 Entry

For reducer backstop modules enter:

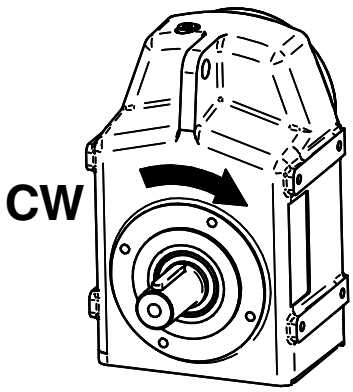
W	for CCW rotation	(or Z	if used in conjunction with a fan kit)
X	for CW rotation	(or Y	if used in conjunction with a fan kit)



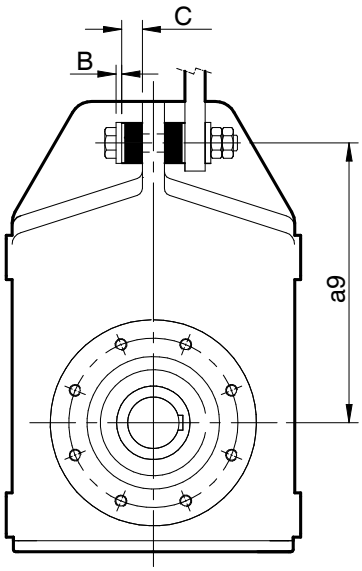
Size	Lift off Speed ('n' min) (at inputshaft) (speed)	Rated Locking Torque ('T max') (at inputshaft) (lb.in)
F0523	800	885
F0623	800	885
F0723	670	1505
K0733	800	885
F0823	670	2655
F0833	670	1505
F0843	800	885
F0923	670	8319
F0933	670	2655
F0943	800	885
F1023	670	11328
F1033	610	8319
F1043	670	1505

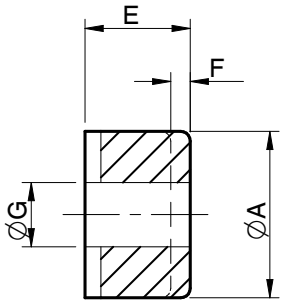
Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise

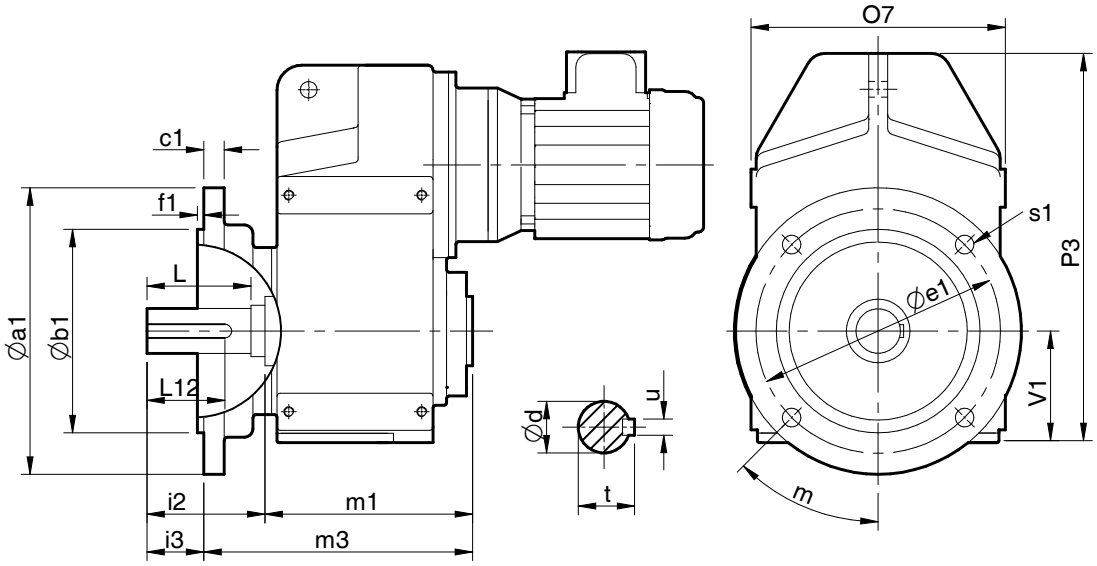


DIMENSIONS
TORQUE BUSHES & OUTPUT FLANGE



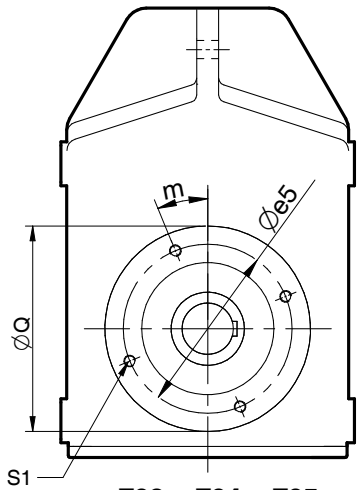


	A	B (min)	C	a9	E	F	G
F02	1.57	0.08	0.73	5.51	0.79	0.06	0.51
F03	1.57	0.08	0.71	6.22	0.79	0.08	0.51
F04	1.57	0.08	0.71	6.69	0.79	0.08	0.51
F05	1.57	0.08	0.71	7.80	0.79	0.08	0.51
F06	1.57	0.08	0.71	8.58	0.79	0.08	0.51
F07	2.44	0.39	1.18	10.94	1.30	0.12	0.91
F08	2.44	0.39	1.14	13.62	1.30	0.16	0.91
F09	3.23	0.47	1.57	15.55	1.73	0.16	1.02
F10	3.23	0.47	1.54	19.09	1.73	0.20	1.02

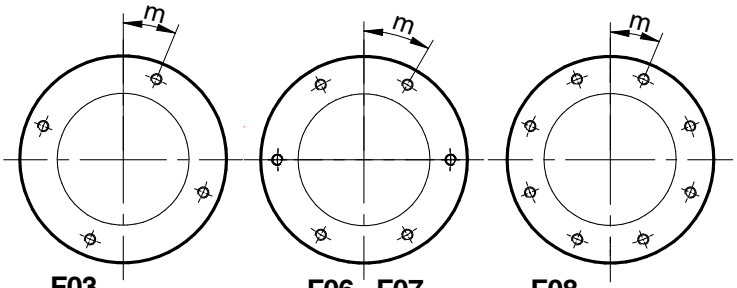


	a1	b1	c1	e1	f1	m	m1	m3	O7	P3	s1	V1	d	i2	i3	L	L12	t	u
F02	6.30	4.33	0.39	5.12	0.16	45°	4.63	5.57	5.67	8.86	0.35 (x4)	2.44	-	-	-	-	-	-	-
F03	6.30	4.33	0.39	5.12	0.16	45°	4.72	5.75	6.50	9.92	0.35 (x4)	3.03	1.000 /0.9995	1.97	0.95	1.85	1.57	1.11	0.250
F04	7.87	5.12	0.47	6.50	0.16	45°	5.91	7.56	6.93	11.38	0.43 (x4)	3.46	1.250 /1.2495	2.36	0.71	2.20	1.97	1.36	0.250
F05	7.87	5.12	0.47	6.50	0.16	45°	6.54	8.19	7.87	12.87	0.43 (x4)	3.82	1.375 /1.3745	2.75	1.10	2.60	2.36	1.51	0.312
F06	9.84	7.09	0.47	8.46	0.16	45°	7.87	9.43	9.29	14.45	0.55 (x4)	4.33	1.625 /1.624	3.19	1.63	2.99	2.76	1.78	0.375
F07	9.84	7.09	0.47	8.46	0.16	45°	9.25	10.81	11.02	17.68	0.55 (x4)	5.28	2.000 /1.999	3.98	2.42	3.74	3.15	2.23	0.500
F08	13.78	9.84	0.71	11.81	0.20	45°	10.43	12.28	13.39	20.71	0.71 (x4)	5.83	2.375 /2.274	4.72	2.87	4.49	3.94	2.65	0.625
F09	17.72	13.78	0.79	15.75	0.20	22.5°	12.99	15.00	15.75	24.09	0.71 (x4)	6.89	2.875 /2.874	5.55	3.54	5.31	4.33	3.20	0.750
F10	17.72	13.78	0.87	15.75	0.20	22.5°	14.57	16.93	18.50	29.45	0.71 (x4)	8.50	3.625 /3.624	6.77	4.41	6.50	5.51	4.01	0.875

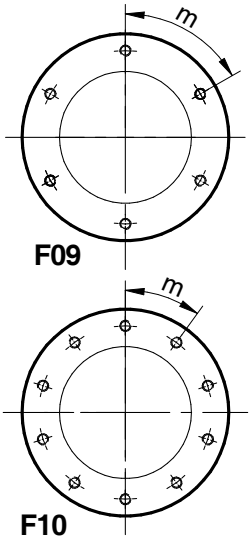
DIMENSIONS
C (B14) FLANGE



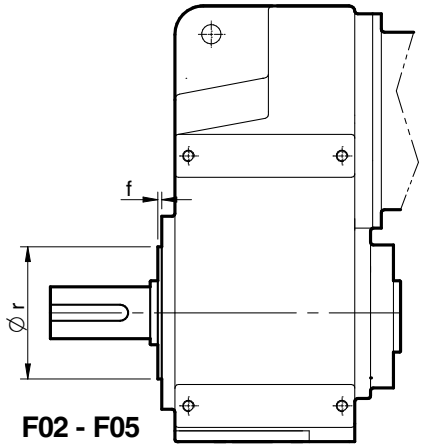
F02, F04, F05



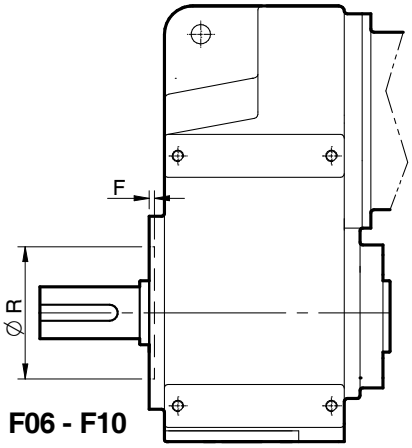
F03 F06, F07 F08



F09 F10



F02 - F05

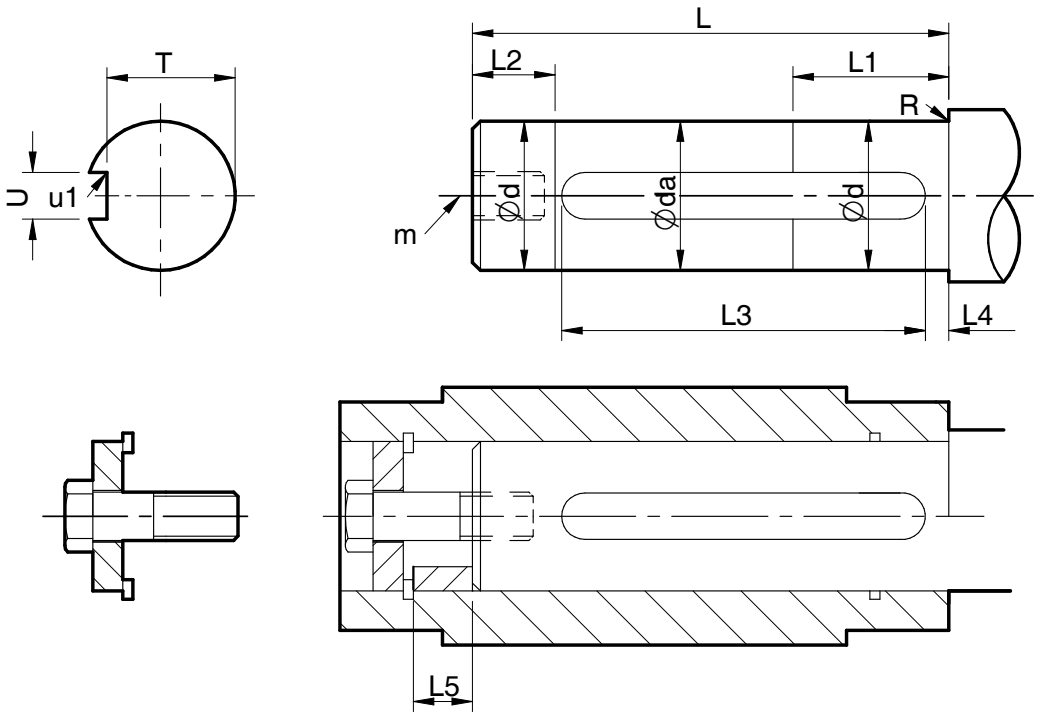


F06 - F10

	e5	f	F	m	Q	r (j6)	R (H7)	S1
F02	4.21	0.12	-	22.5°	4.80	3.35	-	4 - M8 x 0.47
F03	4.21	0.12	-	22.5°	4.80	3.35	-	4 - M8 x 0.47
F04	5.12	0.12	-	22.5°	5.75	4.13	-	4 - M8 x 0.47
F05	5.12	0.12	-	22.5°	5.75	4.13	-	4 - M8 x 0.47
F06	5.91	-	0.18	30°	7.09	-	5.12	6 - M12 x 0.79
F07	5.91	-	0.18	30°	7.09	-	5.12	6 - M12 x 0.79
F08	7.68	-	0.20	22.5°	9.06	-	5.91	6 - M12 x 0.79
F09	9.06	-	0.24	60°	11.02	-	7.09	6 - M16 x 1.06
F10	11.02	-	0.28	36°	12.20	-	8.27	6 - M16 x 1.06

F

Assembly on Shaft - Customers Shaft Detail



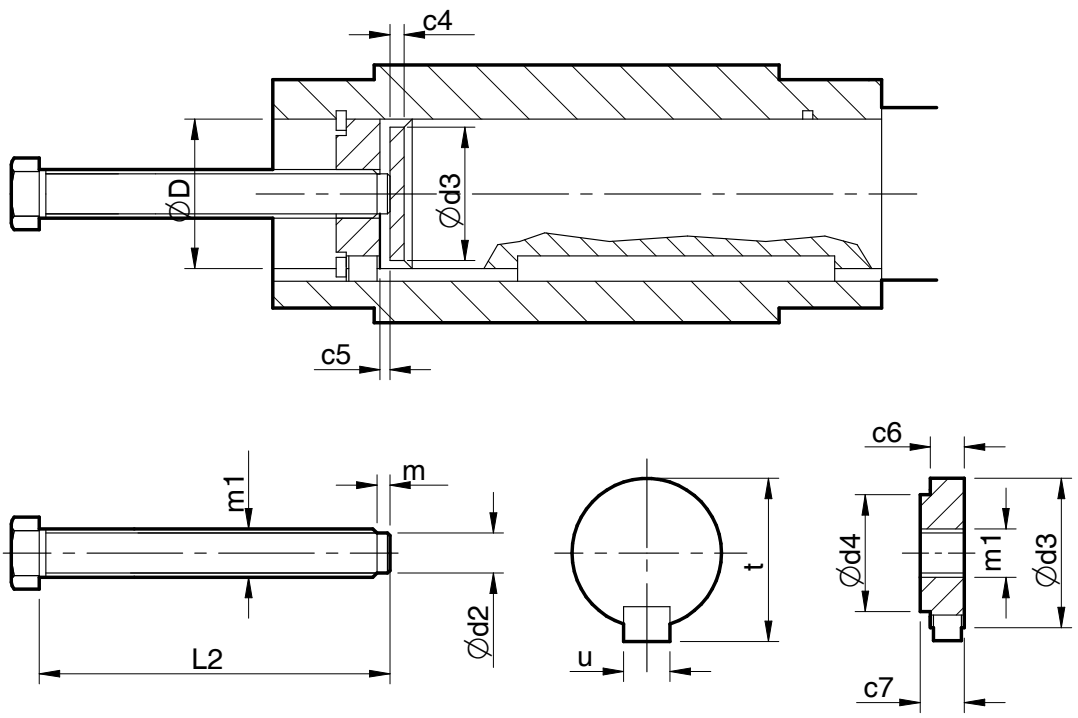
Size	d	da	L	L1	L2	L3	L4	L5	m	N (lb.in)	R	T	U	u1
F02	0.9996 / 0.9990	0.98	3.23	1.57	0.51	3.00	0.12	0.91	3/8 UNF 0.88 deep	130	0.03	0.859 0.853	0.2520 / 0.2500	0.010
F03	1.2496 / 1.2490	1.23	3.23	1.77	0.59	3.00	0.12	0.91	3/8 UNF 0.88 deep	130	0.03	1.112 1.106	0.2520 / 0.2500	0.010
F04	1.3746 / 1.3740	1.36	4.29	2.36	0.79	3.56	0.12	0.91	1/2 UNF 1.25 deep	175	0.03	1.201 1.195	0.3145 / 0.3125	0.010
F05	1.4996 / 1.4990	1.48	4.41	2.36	0.79	3.63	0.12	1.18	5/8 UNF 1.42 deep	400	0.03	1.289 1.283	0.3770 / 0.3750	0.010
F06	1.4996 / 1.4990	1.48	4.96	2.95	0.98	4.00	0.12	1.18	5/8 UNF 1.42 deep	400	0.03	1.289 1.283	0.3770 / 0.3750	0.010
F07	1.9996 / 1.9990	1.98	6.02	3.54	1.18	5.00	0.12	1.18	5/8 UNF 1.42 deep	400	0.03	1.718 1.712	0.5020 / 0.5000	0.020
F08	2.3746 / 2.3739	2.36	6.81	3.54	1.18	5.00	0.12	1.45	3/4 UNF 1.65 deep	750	0.03	2.021 2.006	0.6270 / 0.6250	0.020
F09	2.7496 / 2.7489	2.73	9.13	4.13	1.38	5.35	0.12	1.50	3/4 UNF 1.65 deep	750	0.03	2.402 2.387	0.6270 / 0.6250	0.020
F10	3.2495 / 3.2486	3.23	10.83	4.72	1.57	6.75	0.20	1.45	3/4 UNF 1.65 deep	750	0.03	2.831 2.816	0.7520 / 0.7500	0.020

Assembly Instructions

1. Spray the hollow shaft bore and mating diameter of the output shaft with Rocol DFSM or equivalent anti-scuffing spray.
2. Fit key into shaft.
3. Fit the circlip into the output sleeve.
4. Fit the spacer tube only if the output shaft has no shoulder, then fit the output shaft into the output sleeve.
5. Secure in place with the washer and bolt. Torque tighten to the values stated in column N of the above table.

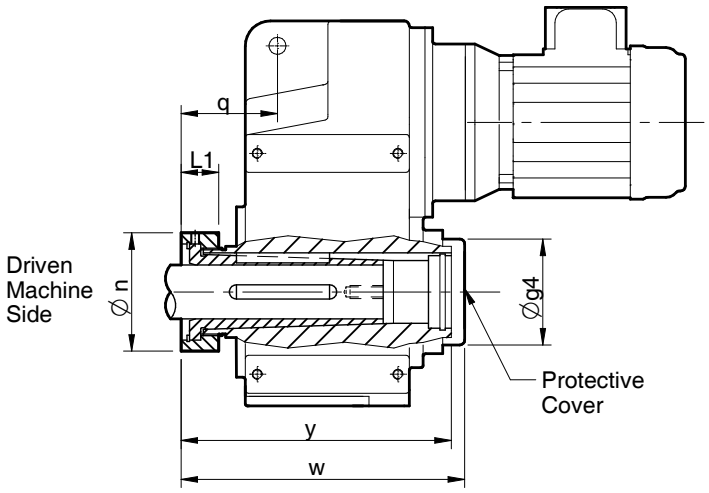
DIMENSIONS
STANDARD BORE DISASSEMBLY

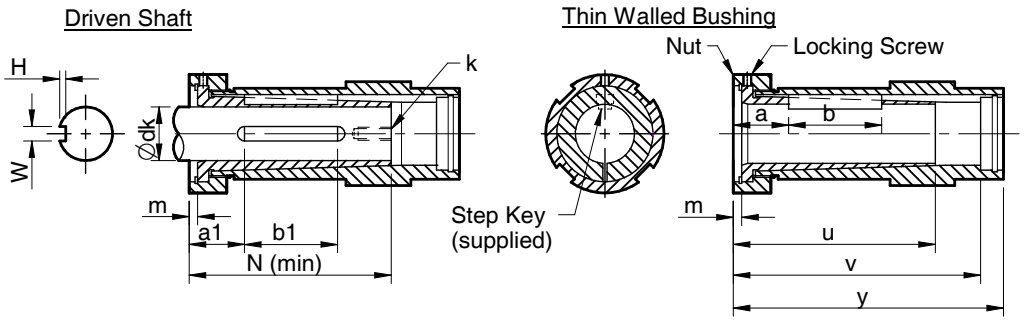
Disassembly Method from Shaft

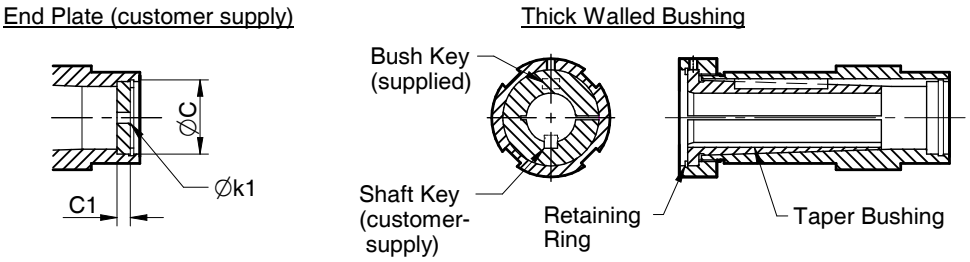


Size	c4	c5	c6	c7	D	d2	d3	d4	L2	m	m1	t	u (max)
F02	0.20	0.12	0.59	0.67	1.00	0.50	0.995	0.60	4.75	0.20	5/8 UN	1.10	0.250
F03	0.20	0.12	0.59	0.67	1.25	0.50	1.245	0.80	5.25	0.20	5/8 UN	1.36	0.250
F04	0.20	0.12	0.59	0.67	1.375	0.50	1.370	1.00	6.50	0.20	5/8 UN	1.50	0.313
F05	0.20	0.16	0.79	0.91	1.50	0.80	1.495	1.13	7.50	0.20	1.0 UN	1.65	0.375
F06	0.20	0.16	0.79	0.91	1.50	0.80	1.495	1.13	7.50	0.20	1.0 UN	1.65	0.375
F07	0.20	0.16	0.79	0.91	2.00	0.80	1.995	1.50	8.75	0.20	1.0 UN	2.20	0.500
F08	0.30	0.20	0.95	1.06	2.375	1.00	2.370	1.88	10.00	0.20	1.25 UN	2.63	0.625
F09	0.30	0.20	0.95	1.06	2.75	1.00	2.745	2.18	12.25	0.20	1.25 UN	3.00	0.625
F10	0.30	0.20	0.95	1.06	3.25	1.00	3.245	2.60	14.25	0.20	1.25 UN	3.57	0.750

DIMENSIONS
TAPER RELEASE BUSHING







SIZE	Key		Bush	Hollow Shaft		Nut			Gear Unit	Cover	
	a	b	u	v	y	n	L1	m	q	g4	w
F04 (107)TR	1.89	2.50	5.00	7.5	8.2	3.31	1.26	0.27	3.50	3.15	9.00
F06 (115)TR	2.10	2.75	5.55	8.50	9.88	4.06	1.46	0.30	3.63	4.33	10.50
F07 (203)TR	1.56	3.25	5.55	9.50	11.30	4.31	1.46	0.30	4.00	5.12	12.00
F08 (207)TR	1.24	4.25	6.52	10.75	12.50	4.81	1.46	0.30	4.50	5.50	13.00
F09 (215)TR	2.09	3.50	7.08	13.00	15.00	5.68	1.76	0.38	4.75	6.00	16.00
F10 (307)TR	1.59	5.00	7.39	14.38	16.75	6.06	1.76	0.38	5.63	7.12	18.00

- Consult standard unit selection tables for power and torque ratings.
- All other gear unit dimensions may be obtained from the standard unit dimension pages.

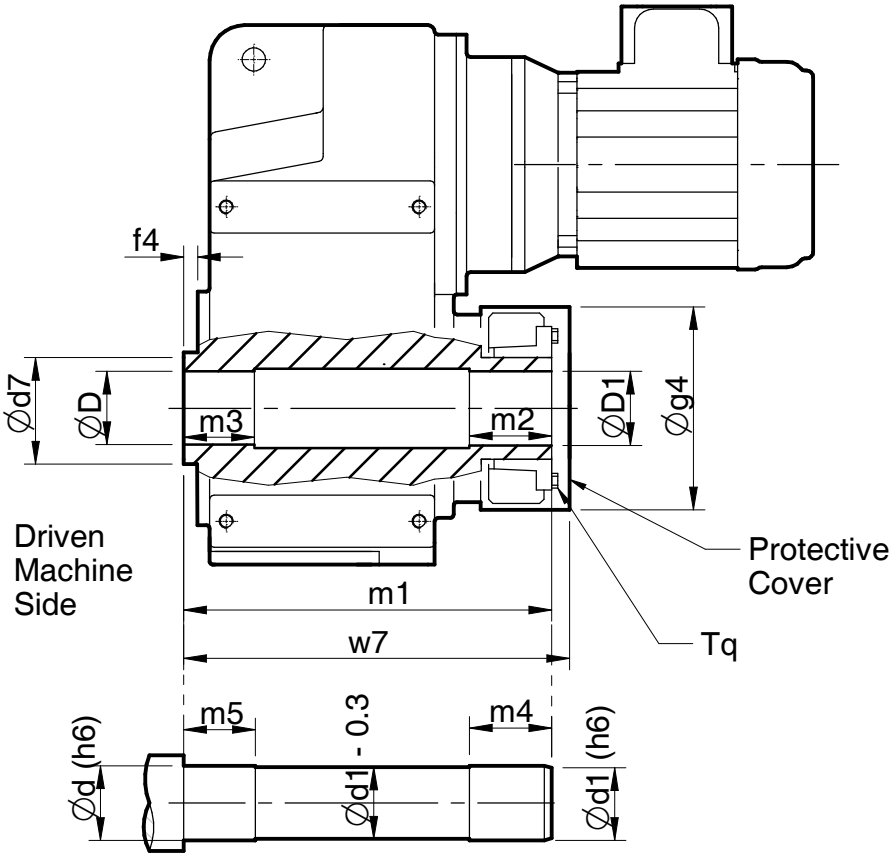
DIMENSIONS
TAPER RELEASE BUSHING

Size	Driven Shaft Diameter * (dk)	Type	Driven Shaft Keyway			Driven Shaft			End Plate			Circlip	Bush lb's	Column 11 Entry
			W	H	b1(min)	a1	k	N (min)	C	C1	k1			
F04 (107)TR	1.000 / 0.996	Thick	1/4	1/8	2.75	-	1/2 UNC	5	1.64	0.3	5/8 UNC	N1300-0162	2.1	A
	1.125 / 1.121	Thick	1/4	1/8	2.75	-	1/2 UNC	5	1.64	0.3	5/8 UNC	N1300-0162	1.8	B
	1.188 / 1.184	Thick	1/4	1/8	2.75	-	1/2 UNC	5	1.64	0.3	5/8 UNC	N1300-0162	1.6	C
	1.250 / 1.246	Thin	1/4	1/8	2.5	1.89	1/2 UNC	5	1.64	0.3	5/8 UNC	N1300-0162	1.5	D
	1.438 / 1.434	Thin	3/8	3/16	2.5	1.89	1/2 UNC	5	1.64	0.3	5/8 UNC	N1300-0162	1	F
F06 (115)TR	1.188 / 1/184	Thick	1/4	1/8	2.75	-	1/2 UNC	5.55	2.25	0.37	5/8 UNC	N1300-0225	4.3	C
	1.250 / 1.246	Thick	1/4	1/8	2.75	-	1/2 UNC	5.55	2.25	0.37	5/8 UNC	N1300-0225	4.1	D
	1.438 / 1.434	Thick	3/8	3/16	2.5	-	1/2 UNC	5.55	2.25	0.37	5/8 UNC	N1300-0225	3.5	F
	1.500 / 1.496	Thick	3/8	3/16	2.5	-	1/2 UNC	5.55	2.25	0.37	5/8 UNC	N1300-0225	3.3	G
	1.625 / 1.620	Thin	3/8	3/16	2.75	2.1	1/2 UNC	5.55	2.25	0.37	5/8 UNC	N1300-0225	2.9	H
	1.688 / 1.683	Thin	3/8	3/16	2.75	2.1	1/2 UNC	5.55	2.25	0.37	5/8 UNC	N1300-0225	2.7	I
	1.750 / 1.745	Thin	3/8	3/16	2.75	2.1	1/2 UNC	5.55	2.25	0.37	5/8 UNC	N1300-0225	2.4	J
	1.938 / 1.933	Thin	1/2	1/4	2.75	2.1	1/2 UNC	5.55	2.25	0.37	5/8 UNC	N1300-0225	1.7	L
F07 (203)TR	1.438 / 1.434	Thick	3/8	3/16	2.75	-	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	5	F
	1.500 / 1.496	Thick	3/8	3/16	2.75	-	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	5.1	G
	1.625 / 1.620	Thick	3/8	3/16	2.75	-	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	4.6	H
	1.688 / 1/683	Thick	3/8	3/16	2.75	-	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	4.4	I
	1.750 / 1.745	Thick	3/8	3/16	2.75	-	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	4.4	J
	1.875 / 1.870	Thin	1/2	1/4	3.25	1.56	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	3.6	K
	1.938 / 1.933	Thin	1/2	1/4	3.25	1.56	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	3.3	L
	2.000 / 1.995	Thin	1/2	1/4	3.25	1.56	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	3	M
	2.188 / 2.183	Thin	1/2	1/4	3.25	1.56	5/8 UNC	5.55	2.43	0.43	3/4 UNC	N1300-0244	3	N
F08 (207)TR	1.375 / 1.371	Thick	3/16	5/32	4.75	-	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	7.6	E
	1.438 / 1.434	Thick	3/8	3/16	3.25	-	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	7.3	F
	1.500 / 1.496	Thick	3/8	3/16	3.25	-	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	7.1	G
	1.625 / 1.620	Thick	3/8	3/16	3.25	-	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	6.7	H
	1.688 / 1/683	Thick	3/8	3/16	3.25	-	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	6.4	I
	1.750 / 1.745	Thick	3/8	3/16	3.25	-	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	6.1	J
	1.875 / 1.870	Thick	1/2	1/4	3.25	-	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	5.6	K
	1.938 / 1.933	Thin	1/2	1/4	4.25	1.24	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	5.3	L
	2.000 / 1.995	Thin	1/2	1/4	4.25	1.24	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	5	M
	2.188 / 2.183	Thin	1/2	1/4	4.25	1.24	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	4.4	N
	2.250 / 2.245	Thin	1/2	1/4	4.25	1.24	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	3.7	O
	2.438 / 2.433	Thin	5/8	5/16	4.25	1.24	5/8 UNC	6.11	2.83	0.43	3/4 UNC	N1300-0281	2.6	Q
F09 (215)TR	1.938 / 1.933	Thick	1/2	1/4	5.25	-	7/8 UNC	7.08	3.33	0.50	1 UNC	N1300-0334	11.4	L
	2.000 / 1.995	Thick	1/2	1/4	5.25	-	7/8 UNC	7.08	3.33	0.50	1 UNC	N1300-0334	11.1	M
	2.188 / 2.183	Thick	1/2	1/4	5.25	-	7/8 UNC	7.08	3.33	0.50	1 UNC	N1300-0334	9.9	N
	2.250 / 2.245	Thick	1/2	1/4	5.25	-	7/8 UNC	7.08	3.33	0.50	1 UNC	N1300-0334	9.5	O
	2.438 / 2.433	Thin	5/8	5/16	3.50	2.09	7/8 UNC	7.08	3.33	0.50	1 UNC	N1300-0334	8.3	Q
	2.500 / 2.495	Thin	5/8	5/16	3.50	2.09	7/8 UNC	7.08	3.33	0.50	1 UNC	N1300-0334	7.8	R
	2.688 / 2.682	Thin	5/8	5/16	3.50	2.09	7/8 UNC	7.08	3.33	0.50	1 UNC	N1300-0334	6.5	S
	2.938 / 2.932	Thin	3/4	3/8	3.50	2.09	7/8 UNC	7.08	3.33	0.50	1 UNC	N1300-0334	4.5	U
F10 (307)TR	2.000 / 1.995	Thick	1/2	1/4	5.25	-	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	17.8	M
	2.188 / 2.183	Thick	1/2	1/4	5.25	-	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	16.6	N
	2.250 / 2.245	Thick	1/2	1/4	5.25	-	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	16.2	O
	2.438 / 2.433	Thick	5/8	5/16	5.25	-	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	14.9	Q
	2.500 / 2.495	Thick	5/8	5/16	5.25	-	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	14.4	R
	2.688 / 2.682	Thin	5/8	5/16	5.00	1.59	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	13.0	S
	2.938 / 2.932	Thin	3/4	3/8	5.00	1.59	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	10.9	U
	3.000 / 2.994	Thin	3/4	3/8	5.00	1.59	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	10.3	V
	3.188 / 3.182	Thin	3/4	3/8	5.00	1.59	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	8.6	W
	3.438 / 3.432	Thin	7/8	7/16	5.00	1.59	1 UNC	7.39	3.74	0.56	1 1/8 UNC	N1300-0375	6.1	X
										No Bushing				-

* Check the strength of the driven shaft

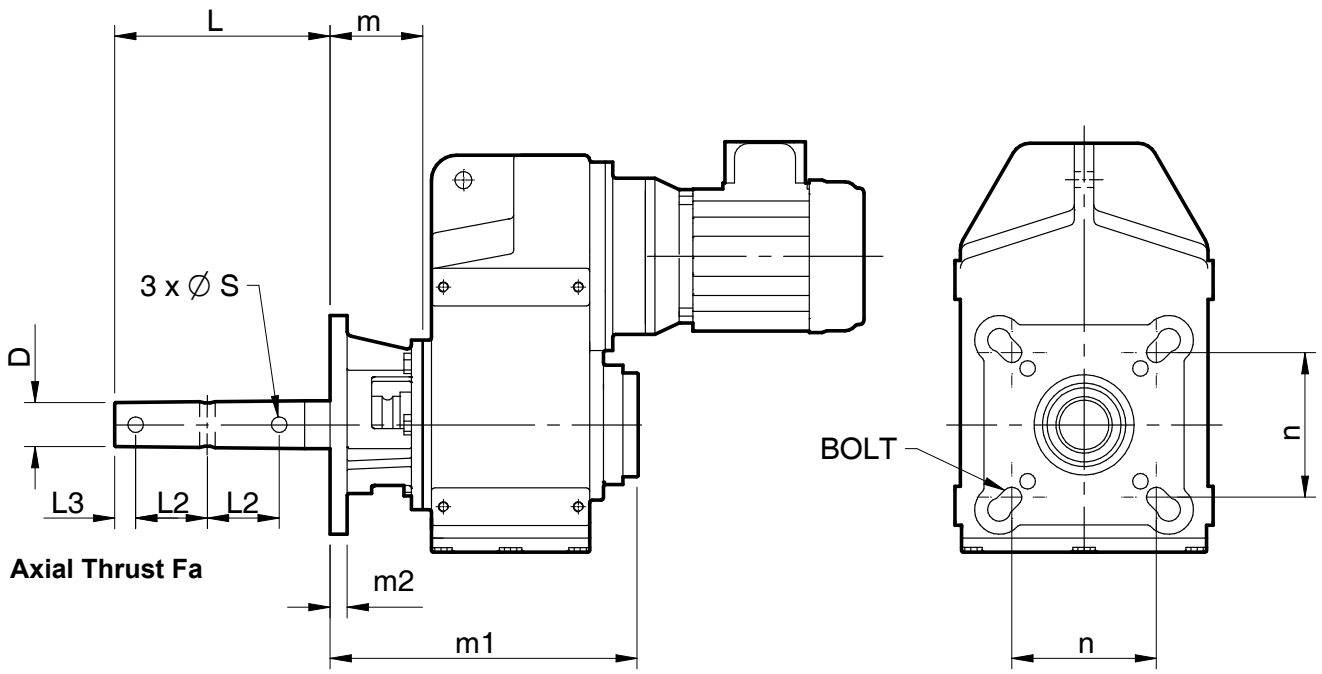
Thick Wall Bushing Length B1 - Check the stength of the key and adjust length as appropriate

SHRINK DISK



size	D	D1	d	d1	d7	f4	m1	m2	m3	m4 (min)	m5 (min)	g4	w7	Tq (lb.in)
F06	1.57	1.57	1.5748/1.5742	1.5748/1.5742	70	0.08	9.06	1.50	1.57	1.60	1.00	4.13	9.50	255
F07	1.97	1.97	1.9685/1.9679	1.9685/1.9679	85	0.08	10.47	1.57	1.97	1.60	1.20	5.38	11.00	310
F08	2.56	2.56	2.5591/2.5583	2.5591/2.5583	90	0.12	12.01	1.77	1.97	1.80	1.60	5.90	12.38	510
F09	2.95	2.95	2.9528/2.9520	2.9528/2.9520	110	0.20	14.76	2.17	2.17	2.38	2.20	6.90	15.00	510
F10	3.74	3.74	3.7402/3.7393	3.7402/3.7393	120	0.22	16.73	2.56	2.36	3.00	2.75	8.25	17.38	885

DIMENSIONS
SCREW CONVEYOR



Other dimensions can be obtained from the standard unit dimensions pages

Size	Shaft					Column 11 Entry	Gear Unit					
	D	L	L2	L3	S		m	m1	m2	n	BOLT	Fa max (lb's)
F04	1.500	9.000	3.00	0.875	17/32	A	4.312	10.50	0.71	4.000	1/2	1400
	2.000	9.000	3.00	0.875	21/32	B				5.125	5/8	
	2.437	9.690	3.00	0.938	21/32	C				5.625	5/8	
F06	1.500	9.000	3.00	0.875	17/32	A	3.875	12.25	0.71	4.000	1/2	4150
	2.000	9.000	3.00	0.875	21/32	B				5.125	5/8	
	2.437	9.690	3.00	0.938	21/32	C				5.625	5/8	
	3.000	9.875	3.00	1.000	25/32	D				6.000	3/4	
F07	2.000	9.000	3.00	0.875	21/32	B	3.875	13.80	0.71	5.125	5/8	4750
	2.437	9.690	3.00	0.938	21/32	C				5.625	5/8	
	3.000	9.875	3.00	1.000	25/32	D				6.000	3/4	
F08	2.000	9.000	3.00	0.875	21/32	B	4.000	15.62	0.71	5.125	5/8	5050
	2.437	9.690	3.00	0.938	21/32	C				5.625	5/8	
	3.000	9.875	3.00	1.000	25/32	D				6.000	3/4	
	3.437	13.13	4.00	1.250	29/32	E				6.750	3/4	
F09	3.000	9.875	3.00	1.000	25/32	D	4.180	18.25	0.71	6.000	3/4	7875
	3.437	13.13	4.00	1.250	29/32	E				6.750	3/4	

SHIPPING SPECIFICATION

Weight (Lb's)

Unit size		F0223	F0233	F0323	F0333	F0343	F0423	F0433	F0443	F0523	F0533	F0543	F0623	F0633	F0643	F0723	F0733	F0743	F0823	F0833	F0843	F0923	F0933	F0943	F1023	F1033	F1043
Reducer Version		29	31	33	35	51	42	46	64	64	71	93	95	99	124	154	159	183	225	240	274	377	397	382	576	596	651
Output Shaft		N/A		1.5			2.4			2.9			4.0			7.7			15			24			41		
Output Flange		3.1		6.6			6.6			6.6			8.8			18			29			33			57		
56C	Without Motor	26	29	31	33	53	44	49	66	62	68	90	95	99	124	148	157	176	232	243	280		406	441			635
	Including Motor	51	54	56	58	78	69	74	91	87	93	115	120	124	149	173	182	201	257	268	305		431	466			660
143TC	Without Motor	26	29	31	33	53	44	49	66	62	68	90	95	99	124	148	157	176	232	243	280		406	441			635
	Including Motor	56	59	61	63	83	74	79	96	92	98	120	125	129	154	178	187	206	262	273	310		436	471			665
145TC	Without Motor	26	29	31	33	53	44	49	66	62	68	90	95	99	124	148	157	176	232	243	280		406	441			635
	Including Motor	66	69	71	73	93	84	89	106	102	108	130	135	139	164	188	197	216	272	283	320		446	481			675
182TC	Without Motor	29		34			47			65			98			151	160		235	246	283	390	409	444	563	583	638
	Including Motor	84		89			102			120			153			206	215		290	301	338	445	464	499	618	638	693
184TC	Without Motor	29		34			47			65			98			151	160		235	246	283	390	409	444	563	583	638
	Including Motor	106		111			124			142			175			228	237		312	323	360	467	486	521	640	660	715
213TC	Without Motor									65			98			151			235	246		390	409		563	583	638
	Including Motor									180			213			266			350	361		505	524		678	698	753
215TC	Without Motor									65			98			151			235	246		390	409		563	583	638
	Including Motor									225			258			311			395	406		550	569		723	743	798
254TC	Without Motor															151			235			406	409		582	598	
	Including Motor															436			520			691	694		867	883	
256TC	Without Motor															151			235			406	409		582	598	
	Including Motor															461			545			716	719		892	908	
284TC	Without Motor																					406			582	598	
	Including Motor																					836			1012	1028	
286TC	Without Motor																					406			582	598	
	Including Motor																					851			1027	1043	
324TC	Without Motor																					415			590	605	
	Including Motor																					949			1124	1139	
326TC	Without Motor																					415			590	605	
	Including Motor																					1065			1240	1255	

All weights exclude lubricant and are for standard shaft mount units,
For units with a flange or solid output shaft - add the weight of flange or shaft (as shown at top of table)

PRODUCT SAFETY INFORMATION

IMPORTANT

Product Safety Information

General - The following information is important in ensuring safety. It **must** be brought to the attention of personnel involved in the selection of the equipment, those responsible for the design of the machinery in which it is to be incorporated and those involved in its installation, use and maintenance.

The equipment will operate safely provided it is selected, installed, used and maintained properly. As with any power transmission equipment **proper precautions must** be taken as indicated in the following paragraphs, to ensure safety.

Potential Hazards - these are **not** necessarily listed in any order of severity as the degree of danger varies in individual circumstances. It is important therefore that the list is studied in its entirety:-

1) Fire/Explosion
   (a) Oil mists and vapour are generated within gear units. It is therefore dangerous to use naked lights in the proximity of gearbox openings, due to the risk of fire or explosion.
   (b) In the event of fire or serious overheating (over 300 °C), certain materials (rubber, plastics, etc.) may decompose and produce fumes. Care should be taken to avoid exposure to the fumes, and the remains of burned or overheated plastic/rubber materials should be handled with rubber gloves.

2) Guards - Rotating shafts and couplings must be guarded to eliminate the possibility of physical contact or entanglement of clothing. It should be of rigid construction and firmly secured.

3) Noise - High speed gearboxes and gearbox driven machinery may produce noise levels which are damaging to the hearing with prolonged exposure. Ear defenders should be provided for personnel in these circumstances. Reference should be made to the Department of Employment Code of Practice for reducing exposure of employed persons to noise.

4) Lifting - Where provided (on larger units) only the lifting points or eyebolts must be used for lifting operations (see maintenance manual or general arrangement drawing for lifting point positions). Failure to use the lifting points provided may result in personal injury and/or damage to the product or surrounding equipment. Keep clear of raised equipment.

5) Lubricants and Lubrication
   (a) Prolonged contact with lubricants can be detrimental to the skin. The manufacturer's instruction must be followed when handling lubricants.
   (b) The lubrication status of the equipment must be checked before commissioning. Read and carry out all instructions on the lubricant plate and in the installation and maintenance literature. Heed all warning tags. Failure to do so could result in mechanical damage and in extreme cases risk of injury to personnel.

6) Electrical Equipment - Observe hazard warnings on electrical equipment and isolate power before working on the gearbox or associated equipment, in order to prevent the machinery being started.

7) Installation, Maintenance and Storage
   (a) In the event that equipment is to be held in storage, for a period exceeding 6 months, prior to installation or commissioning, application engineering must be consulted regarding special preservation requirements. Unless otherwise agreed, equipment must be stored in a building protected from extremes of temperature and humidity to prevent deterioration.

   The rotating components (gears and shafts) must be turned a few revolutions once a month (to prevent bearings brinelling).
   (b) External gearbox components may be supplied with preservative materials applied, in the form of a "waxed" tape overwrap or wax film preservative. Gloves should be worn when removing these materials. The former can be removed manually, the latter using white spirit as a solvent.

   Preservatives applied to the internal parts of the gear units do not require removal prior to operation.
   (c) Installation must be performed in accordance with the manufacturer's instructions and be undertaken by suitably qualified personnel.
   (d) Before working on a gearbox or associated equipment, ensure that the load has been removed from the system to eliminate the possibility of any movement of the machinery and isolate power supply. Where necessary, provide mechanical means to ensure the machinery cannot move or rotate. Ensure removal of such devices after work is complete.
   (e) Ensure the proper maintenance of gearboxes in operation. Use only the correct tools and approved spare parts for repair and maintenance. Consult the Maintenance Manual before dismantling or performing maintenance work.

8) Hot Surfaces and Lubricants
   (a) During operation, gear units may become sufficiently hot to cause skin burns. Care must be taken to avoid accidental contact.
   (b) After extended running the lubricant in gear units and lubrication systems may reach temperatures sufficient to cause burns. Allow equipment to cool before servicing or performing adjustments.

9) Selection and Design
   (a) Where gear units provide a backstop facility, ensure that back-up systems are provided if failure of the backstop device would endanger personnel or result in damage.
   (b) The driving and driven equipment must be correctly selected to ensure that the complete machinery installation will perform satisfactorily, avoiding system critical speeds, system torsional vibration, etc.
   (c) The equipment must not be operated in an environment or at speeds, powers, torques or with external loads beyond those for which it was designed.
   (d) As improvements in design are being made continually the contents of this catalogue are not to be regarded as binding in detail, and drawings and capacities are subject to alterations without notice.

The above guidance is based on the current state of knowledge and our best assessment of the potential hazards in the operation of the gear units.

Any further information or clarification required may be obtained by contacting an Application Engineer.

radicon

An Elecon Group Company

Series K Helical Bevel

K

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GENERAL DESCRIPTION

Series K

Series K right angle drive helical bevel geared motors offer ratios from 8:1 to 160:1 in three stages or up to 10,000:1 in five stages. Motors are available up to 150 HP and output torque capacity up to 292,000 lb.in.

The Series K geared motor is designed with integral cast feet for base or end mounting and can be offered with single or double extended output shafts.

Units are also available shaft mounted or with output flanges and are available for mounting horizontally or vertically. The units can also be offered with a bolt on torque reaction bracket and all variants are available either motorized or with an input shaft assembly.

Adding to the range of geared motors this product takes advantage of our many years of accumulated design expertise together with the use of high quality materials and components. The end result is a series of speed reducing geared motors offering high load carrying capacities, increased efficiency, quiet running and reliability.

The Range Includes:
11 Sizes of Units
K03, K04, K05, K06, K07, K08
K09, K10. K12, K15, K16

Version B - standard unit with feet
Version F or H - standard unit with output flange
Version T or Q - standard unit with torque bracket

Unit Types:

Unit type M - Motorized with IEC standard motor
Unit type D - Motorized with Compact motor
Unit type N - Motorized with NEMA standard motor
Unit type G - Unit to allow fitting of IEC motor
Unit type A - Unit to allow fitting of NEMA motor
Unit type R - Reducer unit
Unit type S - Reducer unit with fan kit
Unit type W - Reducer unit with backstop CCW rotation
Unit type X - Reducer unit with backstop CW rotation
Unit type Y - Reducer unit with fan and backstop CW rotation
Unit type Z - Reducer unit with fan and backstop CCW rotation

Design Features Include:

Standard motor connection (IEC or NEMA)

Ability to fit double oil seals, on output shaft or reducer input shaft as required.

All units are dimensionally interchangeable with other major manufacturers

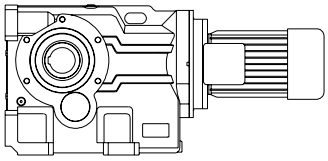
Braked geared motors are available as standard

Units are manufactured and assembled from a family of modular kits for distributor friendliness minimizing inventory and maximizing availability

Motorized units can be fitted with a backstop module and reducer units can be fitted with a backstop and fan.

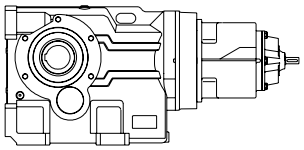
As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.

* Typical unit designations



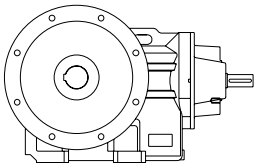
Motorized
Triple reduction
Standard unit with feet

* K 0 8 3 2 5 0 . B N N - 1 B 7 . 5 B - -



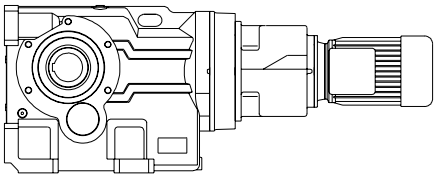
Reducer
Quintuple reduction
Standard unit with feet

* K 0 8 5 2 1 2 C B R N - 1 - - - - - - -



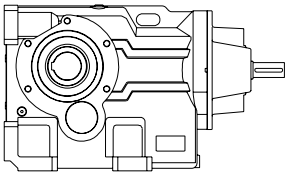
Reducer
Triple reduction Standard unit with output flange on left

* K 0 9 3 1 5 0 . F R A - 1 - - - - - - -



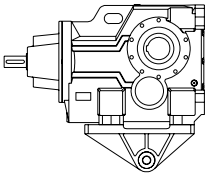
Motorized
Quintuple reduction
Standard unit with feet

* K 0 8 5 2 1 2 C B N N - 1 B . 2 5 B - -



Reducer
Triple reduction
Standard unit with feet

* K 0 8 3 2 5 0 . B R N - 1 - - - - - - -



Reducer
Triple reduction
Standard unit with torque bracket

* K 0 8 3 2 5 0 . T R A - 1 - - - - - - -

UNIT DESIGNATIONS

** Looking on Inputshaft mounting Position 1 (See page 13)

*** Non Standard Handing Consult Application Engineering

	Gearbox Codes													Motor Codes					
	Series	Size of Unit		No of Reductions	Revision Version	Nominal Overall Ratio			Unit Version	Type of Unit	Output Shaft	Motor Adaptor	Mounting Position		Geared Motor Power			No of Motor Poles	Additional Motor Features	Additional Gearbox Features
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	K																			
Example*	K	0	8	3	2	5	0	.	B	N	N	Q	1	D	7	.	5	B	-	-

1 - Series K

Range [K]

2, 3 - Size of Unit

[0 3] Through [1 6]

4 - No of Reductions

[3] Through [5]

5 - Revision Version

[2]

6, 7, 8 - Nominal Overall Ratio

[5 0 .] (See Page 19)

9 - Unit Version

Standard Unit with Feet [B]

STD Unit with Output Flange [F] on Left ** [H] on Right**

STD Unit with Torque Bracket [T] on Left ** [Q] on Right**

10 - Type of Unit

- [M] - Motorized with IEC standard motor
- [D] - Motorized with Compact Motor
- [N] - Motorized with NEMA standard motor
- [G] - Unit to allow fitting of IEC motor (customer own motor)
- [A] - Unit to allow fitting of NEMA motor (customer own motor)
- [R] - Reducer unit
- [S] - Reducer unit with fan kit
- [W] - Reducer unit with backstop CCW rotation
- [X] - Reducer unit with backstop CW rotation
- [Y] - Reducer unit with fan and backstop CW rotation
- [Z] - Reducer unit with fan and backstop CCW rotation

11 - OUTPUT SHAFT (See Page 8-9)

Standard Single Extension	[N]	on Left **	[B]	on Right **
Standard Double Extension	[P]			
Standard Hollow Shaft	[A]			
Standard Shrink disc	[X]	on Left ***	[Y]	on Right **
Inch Taper Release †	[S]	on Left **	[Z]	on Right ***

12 - Motor Adaptor For Unit Types Column 10 Entries M, N, H, E, G or A (See Page 10-11)

For All Other Types Enter [-]

13, 14 - Mounting Position

e.g. [2 B] (See Page 13)

15, 16, 17 - Geared Motor Powers

Motor HP required (For 50 Hz enter kW)

e.g. . [. 7 5]

For reducer and non standard motor types enter [- - -]

18 - No of Motor Poles

[-] No motor

	60 Hz		50 Hz	
4 Pole (Std)	1800 rpm	[B]	1500 rpm	[A]
6 Pole (Std)	1300 rpm	[D]	1000 rpm	[C]
2 Pole	3600 rpm	[F]	3000 rpm	[E]
8 Pole	900 rpm	[H]	750 rpm	[G]

[S] Dual speed or special motor

19 - Additional Motor Features

e.g. [- A] (See Page 17)

For Types Without Motor Enter [-]

20 - Additional Gearbox Features

Double Oil Seal, Motorized Backstop etc

e.g. [- F] (See Page 18)

K

* This Page May Be Photocopied Allowing The Customer To Enter Their Order

† Bushings must be ordered seperately

EXPLANATION & USE OF RATINGS & SERVICE FACTORS

Gear unit selection is made by comparing actual loads with catalogue ratings. Catalogue ratings are based on a standard set of loading conditions, whereas actual load conditions vary according to type of application. Service Factors are therefore used to calculate an equivalent load to compare with catalogue ratings.

i.e. Equivalent Load = Actual Load x Service Factor

Mechanical Ratings and Service Factors Fm and Fs

Mechanical ratings measure capacity in terms of life and/or strength, assuming 10 hr/day continuous running under uniform load conditions.

Catalogue ratings allow 100% overload at starting, braking or momentarily during operation up to 10 hours per day.

The unit selected must therefore have a catalogue rating at least equal to half maximum overload.

Mechanical Service Factor Fm (Table 1) is used to modify the actual load according to daily operating time, and type of loading.

Load characteristics for a wide range of applications are detailed in Table 3 opposite, which are used in deciding the appropriate Service Factor Fm from Table 1.

If overloads can be calculated, or accurately assessed, actual loads should be used instead of Fm.

For units subjected to frequent stop/starts overloads in excess of 10 times/day multiply factor Fm x Factor Fs (table 2).

For applications where units are to operate in extremely dusty or moist/humid atmospheres unit selection should be referred to application engineering.

Table 1. Mechanical Service Factor (Fm)

Prime Mover	Duration of Service Hours per day	Load Classification-Driven Machine		
		Uniform mass acceleration factor ≤ 0.2	**Moderate** mass acceleration factor ≤ 3	**Heavy** mass acceleration factor ≤ 10
Electric Motor, Steam Turbine or Hydraulic Motor	< 3	0.80	1.00	1.50
	3 - 10	1.00	1.25	1.75
	> 10	1.25	1.50	2.00
Multi-cylinder Internal Combustion Engine	< 3	1.00	1.25	1.75
	3 - 10	1.25	1.50	2.00
	> 10	1.50	1.75	2.25
Single-cylinder Internal Combustion Engine	< 3	1.25	1.50	2.00
	3 - 10	1.50	1.75	2.25
	> 10	1.75	2.00	2.50

Mass acceleration factor = $\frac{\text{all external moments of inertia *}}{\text{moment of inertia of driving motor}}$

* calculated with reference to the motor speed

Table 2. Number of Starts Factor (Fs)

Start / Stops per hour (1)	Up to 1	5	10	40	60	≥ 200
Factor Fs	1.00	1.03	1.06	1.10	1.15	1.20

Note: (1) Intermediate values are obtained by linear interpolation

LOAD CLASSIFICATION BY APPLICATIONS

Load Classifications - **U =**Uniform Load **M =**Moderate Shock Load **H =**Heavy Shock Load **† =**Consult our Engineers

Agitators	
Pure liquids	U
Liquids and solids	M
Liquids variable density	M
Blowers	
Centrifugal	U
Lobe	M
Vane	U
Brewing & distilling	
Bottling machinery	M
Brew Kettles	M
Cookers	M
Mash tubs	M
Scale hopper	M
Can filling machinery	M
Crane knife	M
Car dumper	M
Car puller	M
Clarifier	U
Classifier	M
Clay wokring machinery	
Brick press	H
Briquette machine	H
Clay working machinery	M
Plug mill	M
Compressors	
Centrifugal	U
Lobe	M
Reciprocating	
Multi cylinder	M
Single cylinder	H
Conveyors- Light duty uniform load	
Apron	U
Assembly	U
Belt	U
Bucket	U
Chain	U
Flight	U
Oven	U
Screw	U
Conveyors - Heavy duty uniform load	
Apron	M
Assembly	M
Belt	M
Bucket	M
Chain	M
Flight	M
Live roll	†
Oven	M
Reciprocating	M
Screw	M
Shaker	M
Cranes	†
Crusher	
Ore	H
Stone	H
Sugar	H
Dredger	M
Cable reals	M
Conveyors	M
Cutter head drive	H
Pumps	M
Screen drive	H
Stackers	M
Winches	M

Elevators	
Bucket - Uniform load	U
Bucket - Heavy load	M
Bucket - Continuous	U
Centrifugal discharge	U
Escalators	U
Freight	M
Gravity discharge	U
Passenger lifts	†
Fans	
Centrifugal	U
Cooling towers	
Induced draft	†
Forced draft	†
Fan - Large diameter induced draft	M
Fan - Light, small diameter	M
Feeders	
Apron	M
Belt	M
Disc	U
Reciprocating	H
Screw	M
Food industry	
Cereal cooker	U
Dough mixer	M
Meat grinder	M
Meat slicer	M
Generators - not welding	U
Hammer mills	H
Hoists	
Heavy duty	H
Medium duty	M
Skip hoist	M
Laundry	
Tumbler	M
Washer	M
Line shafts	
Heavy duty	M
Light duty	U
Lumber industry	
Barkers	M
Burner conveyor	H
Chain/ Drag saw	H
Chain transfer	H
Chain way transfer	H
De- barking drum	H
Edger feed	M
Gang feed	M
Green chain	M
Live roll	H
Log deck	H
Log haul	H
Log turning	H
Log converyor	H
Of bearing roll	M
Planer feed chaines	M
Planer hoist	M
Re-saw conveyor	M
Roll cases	H
Slab conveyor	H
Sorting table - triple hoist	M
Triple hoist - Drive /conveyor	M
Transfer converor	M
Transfer roll	M
Tray drive	M
Trimmer feed	M
Waster conveyor	M
Small waste conveyor (belt)	U
Small waste conveyor (chain)	U

Machine Tools	
Bending roll	M
Punch press	H
Notching press	H
Plate planer	H
Other machine tools	
Main drive	M
Aux drive	U
Metal mills	
Carriage/main drive	M
Draw bench	M
Dryer	M
Flattening machinery	M
Pinch drive	M
Reversing slitters	M
Scrubber rolls	M
Table conveyors	
Group drives	H
Individual drives	H
Table conveyors- reversing	H
Wire draw	M
Wire roll	M
Mills	
Cement kiln	H
Dryer, Cooler	H
Kiln (other)	H
Rod plain	H
Rod wedge bar	H
Rotary/ Ball	H
Tumbling barrel	H
Mixers	
Concrete	M
Cons density	U
Variable density	M
Oil industry	
Chiller's	M
Oil well pump	M
Filter press	M
Rotary kiln	M
Paper industry	
Agitator (mixer)	M
Barker (hydraulic)	M
Barker (mechanical)	H
Barking drum	H
Beater & Pulper	M
Bleacher	U
Calednders	M
Calenders- super	H
Converting machine	M
Conveyors	U
Couch	M
Cutters - plates	H
Cylinders	M
Dryers	M
Felt stretcher	M
Felt whipper	H
Jordans	M
Log haul	H
Machine real	M
Presses	M
Stock chest	M
Suction roll	M
Washers & thickeners	M
Winders	M
Printing presses	†
Pullers	
Barge haul	H

Pumps	
Centrifugal proportioning	U
Proportioning	M
Reciprocating	
Single acting 3+ cylinders	M
Double acting 2+ cylinders	M
Single acting 1 & 2 cylinders	†
Double acting 1 cylinder	†
Rotary- gear type	U
Rotary- lobe type/ vane	U
Sand muller	M
Sewage treatment	
Bar screen	U
Chemical feeder	U
Collector	U
Dewatering screw	M
Mixers	M
Scum breaker	M
Thickness	M
Vacuum filters	M
Screens	
Air washing	U
Rotary, stone or gravel	M
Traveling water intake	U
Slab pushers	M
Slewing	H
Steering gear	†
Stokers	U
Sugar industry	
Can knife	M
Crusher	M
Mills	M
Textile industry	
Batchers	M
Calenders	M
Cards	M
Dry cans	M
Dryers	M
Dyeing machinery	M
Knitting machinery	M
Looms	M
Mangles	M
Nappers	M
Pads	M
Range drive	M
Slashers	M
Soapers	M
Spinners	M
Tenter frame	M
Washers	M
Winders	M
Windlass	†

K

SELECTION PROCEDURE FOR MOTORIZED UNITS

EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine = 17 HP
Output speed of gearbox or Input speed of machine = 50 rev/min
Application = Uniformly loaded belt conveyor
Duration of service (hours per day) = 24hrs
Mounting position = 1
Ambient temperature = 70°F
Running time (%) = 100%

K

1 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application, table 3.

Application = Uniformly loaded belt conveyor

Conveyors-uniformly loaded or fed	
apron	U
assembly	U
belt	U
bucket	U
chain	U

U = Uniform load

Refer to mechanical service factor (Fm), table 1, page 3

Duration of service (hours per day) = 24hrs

Prime mover	Duration of service- hrs per day	Load classification-drive	
		Uniform	Moderate Shock
Electric motor, steam turbine or hydraulic motor	< 3	0.80	1.00
	3 - 10	1.00	1.25
	> 10	1.25	1.50

Therefore mechanical service factor (Fm) = 1.25

2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUTSHAFT

$$\text{Absorbed output torque} = \frac{\text{Absorbed power} \times 63025}{\text{Gearbox output speed}}$$

$$\frac{17 \times 63025}{50} = 21428 \text{ lb.in}$$

3 SELECT GEARED MOTOR

Refer to selection table one motor size larger than absorbed power.
Absorbed power = 17 HP, therefore refer to 20 HP selection table.

Always select from 4 POLE selection table in the first instance as this offers a more economical solution.

Required output speed of gearbox = 45 rev/min

20.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of base mount unit	Motor Size
87	20.03	13995	2.27	7970	K093220._N_-__20.B--	697	256TC
70	25.02	17481	1.90	7970	K093225._N_-__20.B--	697	256TC
63	27.78	19409	1.72	7970	K093228._N_-__20.B--	697	256TC
55	31.67	22127	1.51	7970	K093232._N_-__20.B--	697	256TC
49	35.62	24887	1.34	7970	K093236._N_-__20.B--	697	256TC
43	40.33	28178	1.19	7970	K093240._N_-__20.B--	697	256TC
39	44.89	31364	1.06	7970	K093245._N_-__20.B--	697	256TC
35	49.87	34843	0.96	7970	K093250._N_-__20.B--	697	256TC

Go to point 4

4 CHECK OUTPUT TORQUE

Output torque (M2) of selected unit must be equal or more than required output torque at gearbox outputshaft.

Required output torque at gearbox outputshaft = 21428 lb.in

20.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of base mount unit	Motor Size
87	20.03	13995	2.27	7970	K093220._N_-__20.B--	697	256TC
70	25.02	17481	1.90	7970	K093225._N_-__20.B--	697	256TC
63	27.78	19409	1.72	7970	K093228._N_-__20.B--	697	256TC
55	31.67	22127	1.51	7970	K093232._N_-__20.B--	697	256TC
49	35.62	24887	1.34	7970	K093236._N_-__20.B--	697	256TC
43	40.33	28178	1.19	7970	K093240._N_-__20.B--	697	256TC
39	44.89	31364	1.06	7970	K093245._N_-__20.B--	697	256TC
35	49.87	34843	0.96	7970	K093250._N_-__20.B--	697	256TC

Selected unit's output torque (M2) = 24887 lb.in, therefore unit is acceptable

5 CHECK SERVICE FACTOR

Service factor (Fm) of selected unit must be equal or more than required service factor.

Required service factor of gearbox = 1.25

20.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of base mount unit	Motor Size
87	20.03	13995	2.27	7970	K093220._N_-__20.B--	697	256TC
70	25.02	17481	1.90	7970	K093225._N_-__20.B--	697	256TC
63	27.78	19409	1.72	7970	K093228._N_-__20.B--	697	256TC
55	31.67	22127	1.51	7970	K093232._N_-__20.B--	697	256TC
49	35.62	24887	1.34	7970	K093236._N_-__20.B--	697	256TC
43	40.33	28178	1.19	7970	K093240._N_-__20.B--	697	256TC
39	44.89	31364	1.06	7970	K093245._N_-__20.B--	697	256TC
35	49.87	34843	0.96	7970	K093250._N_-__20.B--	697	256TC

Selected unit's service factor (Fm) = 1.34 therefore unit is acceptable.

6 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the outputshaft then,
Refer to Overhung Loads Procedure and compare with the allowable overhung load (lbf) of selected unit

Allowable overhung load (lbf) must be equal or more than calculated overhung load (P)

20.0 HP

4 POLE

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of base mount unit	Motor Size
87	20.03	13995	2.27	7970	K093220._N_-__20.B--	697	256TC
70	25.02	17481	1.90	7970	K093225._N_-__20.B--	697	256TC
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43	40.33	28178	1.19	7970	K093240._N_-__20.B--	697	256TC
39	44.89	31364	1.06	7970	K093245._N_-__20.B--	697	256TC
35	49.87	34843	0.96	7970	K093250._N_-__20.B--	697	256TC

NOTE: If any of the following conditions occur then consult Application Engineering:-

a) inertia of the Driven Machine (Referred to motor speed) >10 b) Ambient temperature is above 100 deg °F
Inertia of Gear Unit plus Motor

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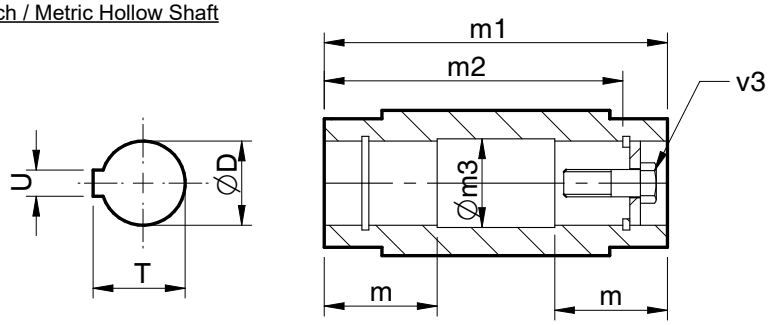
OUTPUT SHAFT BORE OPTIONS

Inch / Metric Hollow Shaft



Output Shaft Bore

Column 11 Entry

Metric Hollow Shaft	H				
Shrink Disc *	X	on Left**	Y	on Right**	
Inch Hollow Shaft	A				
Inch Taper Release*	S	on Left**	Z	on Right**	

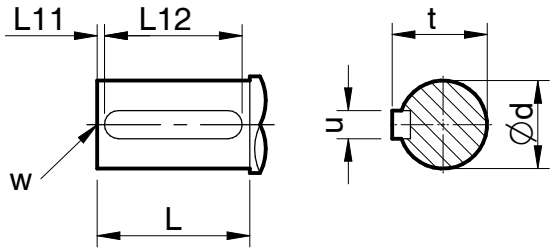
* See pages 73-76 for Dimensions of these options

** See page 14 for Calarification of unit handings

K

Size	Type of Bore	Col 11 Entry	Dimensions in inches (Metric Bores in mm)							
			Ø D	m	m1	m2	øm3	T	U	v3
K03	Metric	H	30.021 / 30.000	52.5	120	105	30.3	33.5	8	M10x50
	Inch	A	1.251" / 1.250"	2.07"	4.724"	4.13"	1.26"	1.377"	0.250"	0.375" UNF x 2"
K04	Metric	H	35.025 / 35.000	66	150	132	35.3	38.5	10	M12x55
	Inch	A	1.376" / 1.375"	2.60"	5.906"	5.12"	1.38"	1.525"	0.3125"	0.5" UNF x 2.25"
K05	Metric	H	40.025 / 40.000	73	166	142	40.3	43.5	12	M16x70
	Inch	A	1.501" / 1.500"	2.87"	6.535"	5.59"	1.51"	1.675"	0.375"	0.625" UNF x 2.75"
K06	Metric	H	40.025 / 40.000	80	180	156	40.3	43.5	12	M16x70
	Inch	A	1.501" / 1.500"	3.15"	7.087"	6.14"	1.51"	1.51"	0.375"	0.625" UNF x 2.75"
K07	Metric	H	50.025 / 50.000	92.5	210	183	50.5	54	14	M16x70
	Inch	A	2.001" / 2.000"	3.64"	8.268"	7.20"	2.02"	2.230"	0.500"	0.625" UNF X 2.75"
K08	Metric	H	60.030 / 60.000	105	240	210	60.5	64.5	18	M20x80
	Inch	A	2.3762" / 2.3750"	4.134"	9.449"	8.268"	2.382"	2.656"	0.625"	0.75" UNF X 3.25"
K09	Metric	H	70.030 / 70.000	132.5	300	270	70.5	75	20	M20x80
	Inch	A	2.7512" / 2.7500"	5.217"	11.811"	10.630"	2.772"	3.037"	0.625"	0.75" UNF X 3.25"
K10	Metric	H	80.030 / 80.000	155	350	313	80.5	85.6	22	M20x80
	Inch	A	3.2514" / 3.2500"	6.102"	13.780"	12.323"	3.268"	3.591"	0.750"	0.75" UNF X 3.25"
K12	Metric	H	100.035 / 100.000	180	410	373	100.5	106.5	28	M24X110
	Inch	A	4.0014" / 4.0000"	7.087"	16.142"	14.685"	4.020"	4.446"	1.000"	1.0" UNF X 4.5"
K15	Metric	H	120.035 / 120.000	180	500	460	121	127.5	32	M24 X 110
	Inch	A	4.5014" / 4.5000"	7.087"	19.685"	18.110"	4.600"	4.950"	1.000"	1.0" UNF X 4.5"
K16	Metric	H	135.040 / 135.000	180	610	570	136	143.5	36	M24 X 110
	Inch	A	5.2516" / 5.2500"	7.087"	24.016"	22.441"	5.350"	5.805"	1.250"	1.0" UNF X 4.5"

OUTPUT SHAFT OPTIONS



Column 11 Entry

Metric Single Extension	C	on Left	E	on Right
Metric Double Extension	D			
Inch Single Extension	N	on Left	B	on Right
Inch Double Extension	P			

Size	Type of Shaft	Col 11 Entry	Dimensions in inches (metric shaft in mm)						
			ø d	L	L11	L12	t	u	W
K03	Metric Single/Double	C / E / D	25.015 / 25.002	47	3	40	28	8	M10 x 1.5 x 22
	Inch Single/Double	N / B / P	1.0000" / 0.9995"	1.85"	*	1.69"	1.11"	0.250"	0.375" x 0.75"
K04	Metric Single/Double	C / E / D	30.015 / 30.002	56	3	50	33	8	M12 x 1.75 x 28
	Inch Single/Double	N / B / P	1.2500"/ 1.2495"	2.20"	*	2.13"	1.36"	0.250"	0.5" UNF x 1.13"
K05	Metric Single/Double	C / E / D	35.018 / 35.022	66	3	60	38	10	M16 x 2.0 x 36
	Inch Single/Double	N / B / P	1.3750" / 1.3745"	2.60"	*	2.50"	1.51"	0.3125"	0.625 UNF x 1.5"
K06	Metric Single	C / E	40.018 / 40.002	76	3	70	43	12	M16 x 2.0 x 36
	Metric Double	D	39.991 / 39.975	76	3	70	43	12	M16 x 2.0 x 36
	Inch Single	N / B	1.625" / 1.624"	3.00"	*	2.50"	1.78"	0.375"	0.625" UNF x 1.5"
	Inch Double	P	1.4996" / 1.4990"	3.00"	*	2.50"	1.66"	0.375"	0.625" UNF x 1.5"
K07	Metric Single	C / E	50.018 / 50.002	95	3	80	53.5	14	M16 x 2.0 x 36
	Metric Double	D	49.991 / 49.975	95	3	80	53.5	14	M16 x 2.0 x 36
	Inch Single/Double	N / B / P	2.000" / 1.999"	3.74"	*	3.00"	2.23"	0.500"	0.625" UNF x 1.5"
K08	Metric Single	C / E	60.030 / 60.011	114	3	100	64	18	M20 x 2.5 x 42
	Metric Double	D	59.990 / 59.971	114	3	100	64	18	M20 x 2.5 x 42
	Inch Single	N / B	2.3750" / 2.3740 "	4.488"	*	4.00"	2.65"	0.625"	0.75" UNF x 1.65"
	Inch Double	P	2.3746” / 2.3739”	4.488”	*	4.00”	2.65”	0.625”	0.75” UNF x 1.65”
K09	Metric Single	C / E	70.030 / 70.011	135	3	110	74.5	20	M20 x 2.5 x 42
	Metric Double	D	69.990 / 69.971	135	3	110	74.5	20	M20 x 2.5 x 42
	Inch Single	N / B	2.875" / 2.874"	5.315"	*	5.00"	3.20"	0.750"	0.75" UNF x 1.65"
	Inch Double	P	2.625" / 2.624"	5.315"	*	4.00"	3.03"	0.625"	0.75" UNF x 42"
K10	Metric Single	C / E	90.035 / 90.013	172	5	140	95	25	M20 x 2.5 x 42
	Metric Double	D	75.030 / 75.011	163	5	110	79.5	20	M20 x 2.5 x 42
	Inch Single	N / B	3.625" / 3.624"	6.772"	*	6.38"	4.01"	0.875"	0.75" UNF x 1.65"
	Inch Double	P	3.125" / 3.124"	6.417"	*	5.00"	3.45"	0.750"	0.75" UNF x 42"
K12	Metric Single	C / E	110.035 / 110.013	213	5	180	116	28	M24 x 3.0 x 55
	Metric Double	D	95.035 / 95.013	200	5	140	100	25	M20 x 2.5 x 42
	Inch Single	N / B	4.375" / 4.374"	8.386"	*	7.00"	4.81	1.000"	1.0" UNF x 2.17"
	Inch Double	P	3.875" / 3.874"	7.874"	*	7.00"	4.31	1.000"	1.0" UNF x 2.17"
K15	Metric Single/Double	C / E / D	120.035 / 120.013	210	5	200	127	32	M24 x 3.0 x 55
	Inch Single/Double	N / B / P	4.750" / 4.749"	8.27"	*	7.13"	5.29	1.250"	1.0" UNF x 2.0"
K16	Metric Single/Double	C / E / D	160.040 / 160.015	250	15	220	169	40	M30 x 3.5 x 60
	Inch Single/Double	N / B / P	6.250" / 6.249	9.83"	*	9.00"	6.91"	1.50"	1.25" UNF x2.5"

* Inch shaft has an open ended keyway, therefore no 'L11' dimension is required

Triple Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	K0332		K0432		K0532		K0632		K0732		K0832		K0932		K1032		K1232			K1532			K1632		
	8.0 - 20.	*25. - 125*	*8.0 - 32.*	*36. - 125*	*8.0 - 25.*	*28. - 125*	*8.0 - 25.*	*28. - 125*	*8.0 - 20.*	*25. - 125*	*8.0 - 32.*	*36. - 125*	*8.0 - 32.*	*36. - 125*	*8.0 - 32.*	*36. - 125*	*8.0 - 32.*	*36. - 80.*	*100 - 125*	*11. - 36.*	*40. - 100*	*112 - 140*	*12. - 20.*	*25. - 32.*	*36. - 125*
56C	T	U	T	U	-	Q	-	Q	-	Q	-	M	-	-	-	-	-	-	-	-	-	-	-	-	-
143/145TC	V	W	V	W	-	R	-	R	-	R	-	N	-	-	-	-	-	-	-	-	-	-	-	-	-
182/184TC	X	-	X	-	S	T	S	T	S	T	J	P	-	S	-	P	-	N	A	-	W	X	-	-	-
213/215TC	-	-	-	-	U	-	U	-	U	V	K	Q	-	T	-	Q	-	P	B	-	N	A	-	-	-
254/256TC	-	-	-	-	-	-	-	-	W	-	L	U	P	U	L	R	F	Q	C	E	P	B	-	-	-
284/286TC	-	-	-	-	-	-	-	-	-	-	-	-	Q	V	M	S	G	R	D	F	Q	C	-	-	Q
324/326TC	-	-	-	-	-	-	-	-	-	-	-	-	R	W	N	T	H	S	E	G	R	D	-	-	R
364/365TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	J	T	-	H	S	-	-	-	S
404/405TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	K	U	-	J	T	-	-	T	U
444/445TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	W	X

Standard Motor IEC B14- Column 12 entry

Motor	K0332		K0432		K0532		K0632		K0732	
	8.0 - 20.	*25.- 125*	*8.0 - 32.*	*36.- 125*	*8.0 - 25.*	*28.- 125*	*8.0 - 25.*	*28.- 125*	*8.0 - 20.*	*25.- 125*
71	H	H	-	H	-	-	-	-	-	-
80	B	K	B	K	-	G	-	G	-	G
90	D	R	D	R	Z	J	Z	J	-	J
100	E	S	E	S	B	L	B	L	B	L
112	E	S	E	S	B	L	B	L	B	L
132	-	-	-	-	-	-	-	-	D	N

Standard Motor IEC B5- Column 12 entry

Motor	K0332		K0432		K0532		K0632		K0732		K0832		K0932		K1032		K1232			K1532			K1632		
	8.0 - 20.	*25. - 125*	*8.0 - 32.*	*36.- 125*	*8.0 - 25.*	*28.- 125*	*8.0 - 25.*	*28.- 125*	*8.0 - 20.*	*25.- 125*	*8.0 - 32.*	*36. - 125*	*8.0 - 32.*	*36. - 125*	*8.0 - 32.*	*36 - 125*	*8.0 - 32.*	*36. - 80.*	*100 - 125*	*11. - 36.*	*40. - 100*	*112 - 140*	*12. - 20.*	*25. - 32.*	*36. - 125*
63	F	F	-	F	-	V	-	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	G	G	-	G	-	D	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	A	J	A	J	W	F	W	F	-	F	-	D	-	E	-	-	-	-	-	-	-	-	-	-	-
90	C	Q	C	Q	Y	H	Y	H	-	H	-	E	-	F	-	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	A	K	A	K	A	K	A	F	-	G	-	E	-	G	N	-	S	W	-	-	-
112	-	-	-	-	A	K	A	K	A	K	A	F	-	G	-	E	-	G	N	-	S	W	-	-	-
132	-	-	-	-	N	P	N	P	C	M	B	G	-	H	-	F	-	H	P	-	T	X	-	-	-
160	-	-	-	-	-	-	-	-	E	P	C	H	A	J	A	G	A	J	Q	A	G	N	-	-	-
180	-	-	-	-	-	-	-	-	-	-	-	-	B	K	B	H	B	K	R	B	H	P	-	-	A
200	-	-	-	-	-	-	-	-	-	-	-	-	C	L	C	J	C	L	S	C	J	Q	-	-	B
225	-	-	-	-	-	-	-	-	-	-	-	-	D	M	D	K	D	M	T	D	K	R	-	-	C
250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	U	-	E	L	-	-	D	E
280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	W	-	F	M	-	-	F	G
315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	J	K

Compact Motor 4 Pole - Column 12 Entry - D

Power	K0332		K0432		K0532		K0632		K0732		K0832	
	8.0 - 20.	*25. - 125*	*8.0 - 32.*	*36. - 125*	*8.0 - 25.*	*28. - 125*	*8.0 - 25.*	*28. - 125*	*8.0 - 20.*	*25. -125*	*8.0 - 32.*	*36. - 125*
0.33 HP	•	•	-	•	-	-	-	-	-	-	-	-
0.50 HP	•	•	-	•	-	-	-	-	-	-	-	-
0.75 HP	•	•	•	•	-	•	-	•	-	-	-	-
1.00 HP	•	•	•	•	-	•	-	•	-	-	-	-
1.50 HP	•	-	•	-	•	•	•	•	-	•	-	-
2.00 HP	•	-	•	-	•	•	•	•	-	•	-	-
3.00 HP	-	-	-	-	•	•	•	•	-	•	-	•
4.00 HP	-	-	-	-	•	•	•	•	-	•	-	•
5.50 HP	-	-	-	-	•	-	•	-	-	•	-	•
7.50 HP	-	-	-	-	•	-	•	-	-	•	-	•
10.0 HP	-	-	-	-	-	-	-	-	-	•	-	•

Quintuple Reduction Units

NEMA Motor C Face- Column 12 entry

Motor	K0352		K0452		K0552		K0652		K0752		K0852		K0952		K1052		K1252		K1552		K1652	
	125 - 250	*280 +*	*125 - 360*	*400 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*140 - 360*	*400 +*	*125 - 360*	*400 +*	*160 - 450*	*500 +*	*140 - 560*	*630 +*
56C	T	U	T	U	T	U	T	U	T	U	-	Q	-	Q	-	Q	-	Q	-	Q	-	-
143/145TC	V	W	V	W	V	W	V	W	V	W	-	R	-	R	-	R	-	R	-	R	-	-
182/184TC	X	-	X	-	X	-	X	-	X	-	S	T	S	T	S	T	S	T	S	T	-	S
213/215TC	-	-	-	-	-	-	-	-	-	-	U	-	U	-	U	V	U	V	U	V	-	T
254/256TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	W	-	W	-	W	-	P	U
284/286TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Q	V
324/326TC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	W

Standard Motor IEC B14- Column 12 entry

Motor	K0352		K0452		K0552		K0652		K0752		K0852		K0952		K1052		K1252		K1552	
	125 - 250	*280+*	*125 - 360*	*400 +*	*125 - 400*	*450+*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*140 - 360*	*400 +*	*125 - 360*	*400 +*	*160 - 450*	*500 +*
71	H	H	H	H	-	H	-	H	-	H	-	-	-	-	-	-	-	-	-	-
80	B	K	B	K	B	K	B	K	B	K	-	G	-	G	-	G	-	G	-	G
90	D	R	D	R	D	R	D	R	D	R	Z	J	Z	J	-	J	-	J	-	J
100	E	S	E	S	E	S	E	S	E	S	B	L	B	L	B	L	B	L	B	L
112	E	S	E	S	E	S	E	S	E	S	B	L	B	L	B	L	B	L	B	L
132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	N	D	N	D	N

Standard Motor IEC B5- Column 12 entry

Motor	K0352		K0452		K0552		K0652		K0752		K0852		K0952		K1052		K1252		K1552		K1652	
	125 - 250	*280+*	*125 - 360*	*400 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*125 - 400*	*450 +*	*140 - 360*	*400 +*	*125 - 360*	*400 +*	*160 - 450*	*500 +*	*140 - 560*	*630 +*
63	F	F	F	F	-	F	-	F	-	F	-	V	-	V	-	-	-	-	-	-	-	-
71	G	G	G	G	-	G	-	G	-	G	-	D	-	D	-	-	-	-	-	-	-	-
80	A	J	A	J	A	J	A	J	A	J	W	F	W	F	-	F	-	F	-	F	-	E
90	C	Q	C	Q	C	Q	C	Q	C	Q	Y	H	Y	H	-	H	-	H	-	H	-	F
100	-	-	-	-	-	-	-	-	-	-	A	K	A	K	A	K	A	K	A	K	-	G
112	-	-	-	-	-	-	-	-	-	-	A	K	A	K	A	K	A	K	A	K	-	G
132	-	-	-	-	-	-	-	-	-	-	N	P	N	P	C	M	C	M	C	M	-	H
160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	P	E	P	E	P	A	J
180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	K
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	L
225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	M

Compact Motor 4 Pole - Column 12 Entry - D

Power	K0352		K0452		K0552		K0652		K0752		K0852		K0952		K1052		K1252		K1552	
	125 - 250	*280+*	*152 - 360*	*400+*	*125 - 400*	*450+*	*125 - 400*	*450+*	*125 - 400*	*450+*	*125 - 400*	*450+*	*125 - 400*	*450+*	*140 - 130*	*400+*	*125 - 360*	*400+*	*160 - 450*	*500+*
0.33 HP	•	•	-	•	-	•	-	•	-	•	-	-	-	-	-	-	-	-	-	-
0.50 HP	•	•	-	•	-	•	-	•	-	•	-	-	-	-	-	-	-	-	-	-
0.75 HP	•	•	•	•	•	•	•	•	•	•	-	•	-	•	-	-	-	-	-	-
1.00 HP	•	•	•	•	•	•	•	•	•	•	-	•	-	•	-	-	-	-	-	-
1.50 HP	•	-	•	-	•	-	•	-	•	-	•	•	•	•	-	•	-	•	-	•
2.00 HP	•	-	•	-	•	-	•	-	•	-	•	•	•	•	-	•	-	•	-	•
3.00 HP	-	-	-	-	-	-	-	-	-	-	•	•	•	•	-	•	-	•	-	•
4.00 HP	-	-	-	-	-	-	-	-	-	-	•	•	•	•	-	•	-	•	-	•
5.50 HP	-	-	-	-	-	-	-	-	-	-	•	-	•	-	-	•	-	•	-	•
7.50 HP	-	-	-	-	-	-	-	-	-	-	•	-	•	-	-	•	-	•	-	•
10.0 HP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	-	•	-	•

LUBRICATION

All K-Series Units are supplied factory filled with EP mineral oil (Grade 6E) appropriate to the intended mounting position. If the unit is supplied without lubricant the unit must be filled with the correct lubricant and quantity as listed below:

Lubricant quantities are approximate fill until oil escapes from the level plug hole, fit ventilator plug (when supplied) in the appropriate position for the required mounting position (see installation and maintenance instructions)

Temperature Limitations

The standard lubricant is suitable for operation in ambient temperatures of 32° to 95°F,
outside of this consult Table 1,or consult Application Engineering.

Table 1 Oil Grades

Lubricant	Ambient temperature range		
	23°F - 68°F (E) -22°F - 68°F (H)	32°F - 95°F	68°F - 122°F
EP Mineral Oil (type E)	5E (VG 220)	6E (VG 320)	7E (VG 460)
Polyalphaolefin based Synthetic (type H)	5H (VG 220)	5H (VG 220)	6H (VG 320)

Lubricant Quantities (gallons) 1 gallon (US) = 3.79 Liter

Triple Reduction												
Size		K0332	K0432	K0532	K0632	K0732	K0832	K0932	K1032	K1232	K1532	K1632
Mounting Position	1	0.13	0.18	0.29	0.40	0.71	1.16	2.45	4.0	6.1	10.6	17.9
	2	0.18	0.24	0.40	0.47	0.95	0.98	2.19	4.0	7.1	11.6	20.3
	3	0.21	0.29	0.45	0.74	1.06	2.01	4.75	7.4	8.7	17.4	30.9
	4	0.26	0.34	0.50	0.71	1.19	1.98	4.49	7.9	10.3	19.5	32.2
	5	0.32	0.45	0.66	0.95	1.50	2.53	5.54	8.97	13.2	24.8	42.0
	6	0.24	0.32	0.53	0.69	1.19	2.01	4.22	6.60	9.23	19.0	31.7

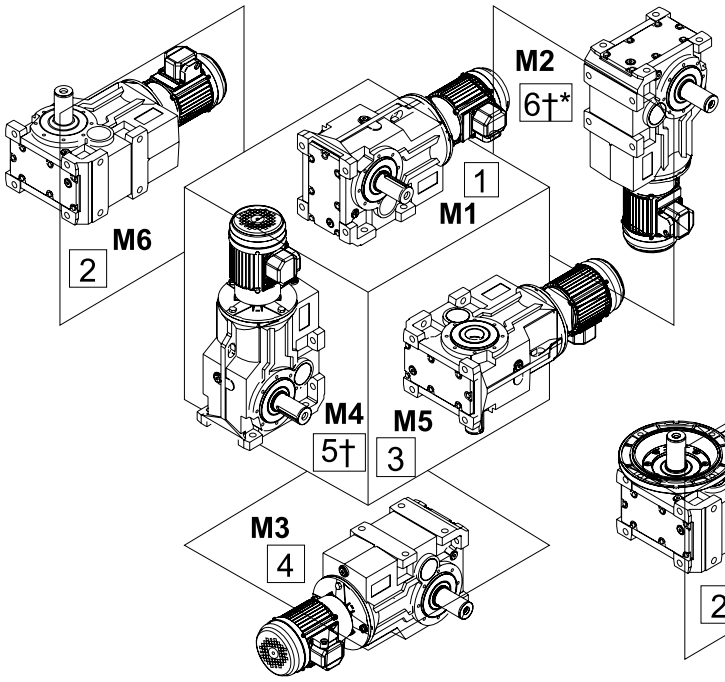
Quintuple Reduction													
Size		K0352		K0452		K0552		K0652		K0752		K0852	
		Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary
		M0122	K0332	M0122	K0432	M0322	K0532	M0322	K0632	M0322	K0732	M0522	K0832
Mounting Position	1	0.03	0.05	0.08	0.10	0.19	0.31	0.65	1.04	1.60	2.78	4.73	7.66
	2	0.05	0.06	0.10	0.13	0.25	0.26	0.58	1.04	1.88	3.06	5.36	8.70
	3	0.06	0.08	0.12	0.19	0.28	0.53	1.25	1.95	2.30	4.59	8.15	13.2
	4	0.07	0.09	0.13	0.19	0.31	0.52	1.18	2.09	2.72	5.15	8.49	13.8
	5	0.08	0.12	0.17	0.25	0.40	0.67	1.46	2.37	3.48	6.54	11.1	17.4
	6	0.06	0.08	0.14	0.18	0.31	0.53	1.11	1.74	2.44	5.01	8.35	13.6

Quintuple reduction..Cont											
Size		K0952		K1052		K1252		K1552		K1652	
		Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary
		M0522	K0932	M0722	K1032	M0722	K1232	M0722	K1532	M0922	K1632
Mounting Position	1	0.40	2.45	0.69	3.96	0.69	6.07	0.69	10.6	2.77	17.9
	2	0.40	2.19	0.69	3.96	0.69	7.12	0.69	11.6	2.77	20.3
	3	0.40	4.75	0.69	7.39	0.69	8.71	0.69	17.4	2.77	30.9
	4	0.40	4.49	0.69	7.92	0.69	10.3	0.69	19.5	2.77	32.2
	5	0.53	5.54	0.84	8.97	0.84	13.2	0.84	24.8	4.43	42.0
	6	0.69	4.22	1.24	6.60	1.24	9.23	1.24	19.0	4.35	31.7

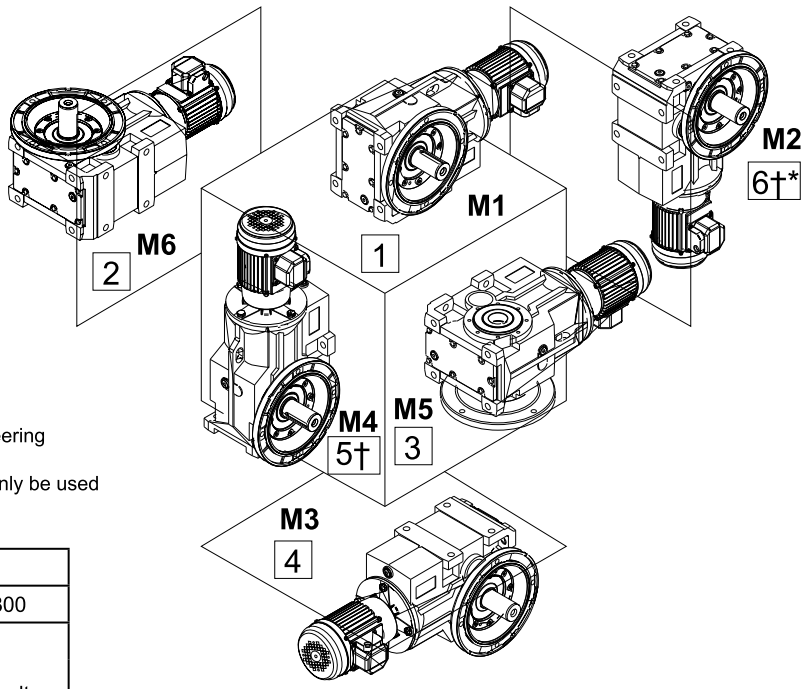
MOUNTING POSITIONS

COLUMN 13 ENTRY

Base Mounted Units



Flange Mounted Units



* Not Recommended for Geared Motors - Consult Application Engineering

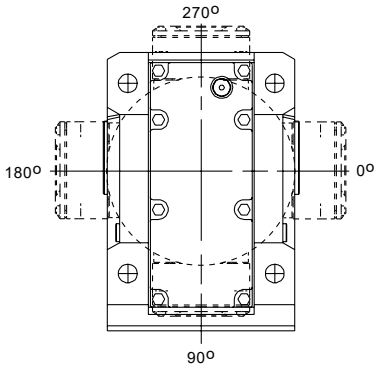
† Gear Units selected for use in mounting positions 5 and 6 should only be used with overall ratios greater or equal to those shown in the table below

Unit Size	Input Speed (rpm)			
	< 1000	< 1500	< 1800	> 1800
K03 - KO7	8.0	8.0	8.0	Consult Application Engineering
K08	8.0	8.0	11.0	
K09	8.0	11.0	14.0	
K10	11.0	20	25.0	
K12	16.0	32	36.0	

Mounting Positions - shown as motorised - applies also for reducers

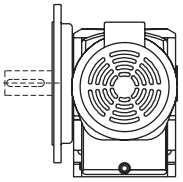
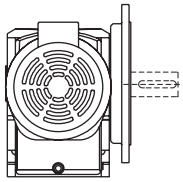
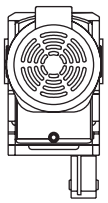
Column 14 entry

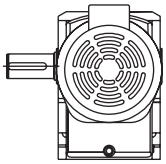
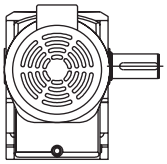
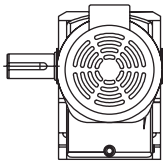
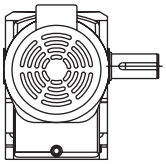
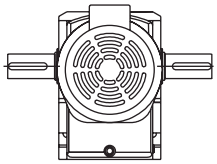
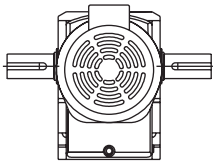
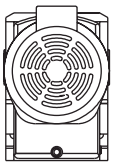
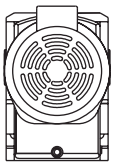
All motors

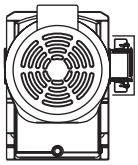
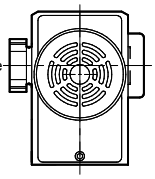
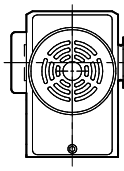


Column 14 entry	Terminal Box Position
A	0°
B	90°
C	180°
D	270°
-	Reducer or no motor fitted

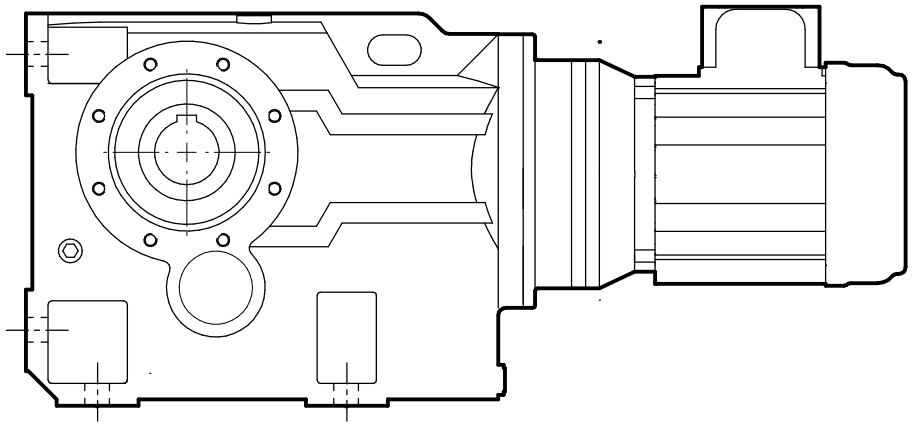
UNIT HANDINGS

Column 9 Entry	Left	Right
Std Unit with Output Flange	F 	H 
Std Unit with Torque Bracket	T	Q 

Column 11 Entry	Metric		Inch	
	Left	Right	Left	Right
Single Output Shaft	C 	E 	N 	B 
Double Output Shaft	D 		P 	
Hollow Shaft	H 		A 	

Shrink Disc/ Taper Release Bushing	Shrink Disc		Taper Release Bushing†	
	Y  Driven Machine Side	X Driven Machine Side Note: non-standard handing, please contact Application Engineering	S  Driven Machine Side	Z  Driven Machine Side Note: non-standard handing, please contact Application Engineering

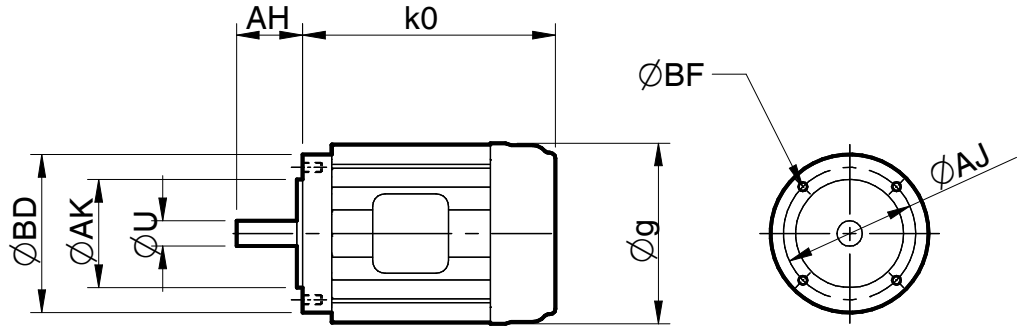
† Bushings Ordered Seperately
Inch and Metric Bores available



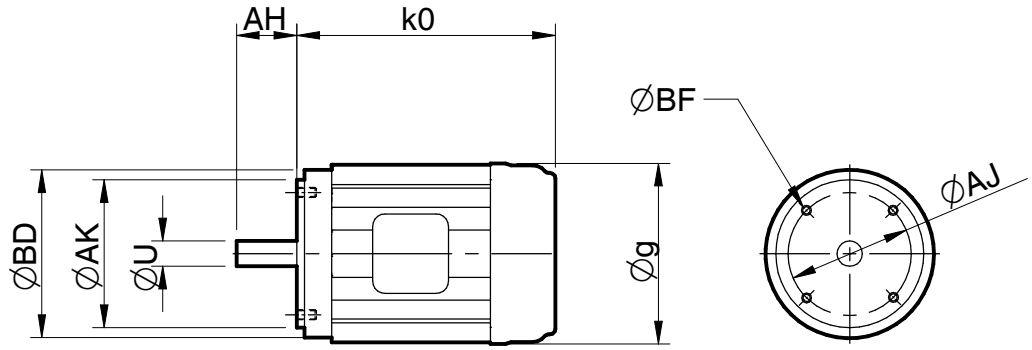
MOTORIZED
SERIES K

NEMA MOTOR DETAILS

NEMA Standard Motors



MOTOR FRAME SIZE	Ø BD	Ø AJ	Ø AK	Ø U	AH	ko max	Ø g	BF TAP UNC
56C	6.50	5.875	4.5	0.625	2.062	12.00	6.13	3/8 - 16
143TC/145TC	6.50	5.875	4.5	0.875	2.125	12.00	7.19	3/8 - 16



MOTOR FRAME SIZE	Ø BD	Ø AJ	Ø AK	Ø U	AH	ko * max	Øg	BF TAP UNC
182TC/184TC	9.00	7.25	8.5	1.125	2.625	15.50	8.50	1/2 - 13
213TC/215TC	9.00	7.25	8.5	1.375	3.125	16.50	10.19	1/2 - 13
254TC/256TC	10.00	7.25	8.5	1.625	3.75	20.00	12.50	1/2 - 13
284TC/286TC	11.25	9.00	10.5	1.875	4.375	23.25	15.56	1/2 - 13
324TC/326TC	13.875	11.00	12.5	2.125	5.00	25.25	16.94	5/8 - 11
364TC/365TC	13.875	11.00	12.5	2.375	5.625	27.00	19.00	5/8 - 11
404TC/405TC	13.875	11.00	12.5	2.875	7.00	30.00	20.63	5/8 - 11
444TC/445TC	16.75	14.00	16.0	3.375	8.25	38.00	22.38	5/8 - 11

* Motor lengths for own brand standard motors. These lengths may vary if alternative motor is fitted.

Additional Motor Features - column 19 entry

Column 19 Entry	Brake Motor	Hand Release on Brake	Forced Ventilation/ Constant Blower (TECB)	Thermistor	Special
-					
A	•				
B	•	•			
C			•		
D	•		•		
E	•	•	•		
F				•	
G	•			•	
H	•	•		•	
K			•	•	
L	•		•	•	
M	•	•	•	•	
S					•

Please refer to Application Engineering for details of the following additional motor features

- PGF encoder flange
- Wash down
- Customised brake torque
- Separate brake supply
- Aluminium fan
- Anti Condensation heater
- Bi-metal temperature detectors, Thermostat
- EExEIIT3
- Ex nA II T3
- IP56
- IP65
- Metal fan cover
- Rain cowl
- Separate terminal box

Additional Gearbox Features - column 20 entry

Column 20 Entry	*Double Oil seals	Oil Level Glass K07- K16	** Motorised Backstop		Special
			CW Rotation	CCW Rotation	
-					
A	•				
B		•			
C	•	•			
D			•		
E	•		•		
F		•	•		
G	•	•	•		
H				•	
I	•			•	
J		•		•	
K	•	•		•	
L					•

Please refer to Application Engineering for details of the special additional gearbox features for example :-

- Prime paint only
- Wash down
- BISSC compatible
- Special oil (food compatible, bio-degradable, different viscosities etc)

* Double oil seal are for output shafts only. Not available on units with taper release.

** IEC Frame Sizes 100-200, and NEMA frame sizes 182TC - 326TC.

EXACT RATIOS

Exact Ratios - Triple Reduction

Column Entry 6 7 8	K0332	K0432	K0532	K0632	K0732	K0832	K0932	K1032	K1232	K1532	K1632
8.0	8.328	8.054	8.112	7.961	8.595	8.128	8.035	8.263	8.513	-	-
11.	11.25	11.30	11.41	11.19	11.91	11.52	11.06	11.54	11.80	10.11	-
12.	12.80	12.45	12.78	12.55	13.37	12.80	12.40	12.55	12.96	11.36	13.57
14.	14.50	14.14	14.35	14.08	14.71	14.24	13.92	14.26	14.25	14.10	14.67
18.	18.54	17.95	18.22	17.88	19.21	18.41	17.93	18.57	18.20	15.88	17.15
20.	19.98	20.40	20.66	20.27	21.84	20.67	20.03	20.05	20.17	17.86	22.45
25.	25.23	25.03	24.64	24.18	26.52	25.35	25.02	25.76	26.50	22.92	25.63
28.	28.60	27.76	28.37	27.84	29.17	28.56	27.78	29.24	28.99	25.45	30.61
32.	32.68	31.54	32.99	32.38	33.52	33.24	31.67	33.10	32.83	31.77	34.73
36.	36.35	35.83	36.91	36.23	38.01	36.88	35.62	37.34	36.18	35.23	38.38
40.	40.08	39.46	39.34	38.61	41.92	40.36	40.33	41.49	40.44	40.00	44.38
45.	44.11	45.39	46.63	45.76	48.01	45.66	44.89	45.37	46.81	45.83	47.94
50.	51.68	49.35	49.78	48.86	54.28	51.54	49.87	50.41	52.76	49.26	55.88
63.	62.00	59.24	61.78	60.63	62.94	62.48	61.00	59.58	60.77	63.39	64.44
71.	72.27	71.09	72.85	71.49	75.07	72.86	70.45	71.89	74.62	76.04	74.70
80.	80.30	80.10	79.77	78.28	82.21	80.03	77.78	82.83	83.10	91.25	86.08
100	96.70	93.12	97.76	95.93	98.65	98.08	94.53	96.11	97.07	98.86	102.87
112	110.8	105.7	109.0	106.9	113.5	107.1	107.0	112.0	113.8	115.6	-
125	126.0	120.2	122.2	119.9	126.1	123.3	120.3	120.4	121.1	135.6	123.45
140	-	-	-	-	-	-	-	-	-	152.1	-

Exact Ratios - Quadruple Reduction

Column Entry 6 7 8	K0352	K0452	K0552	K0652	K0752	K0852	K0952	K1052	K1252	K1552	K1652
125	128	134	118	116	120	132	-	-	-	-	-
140	145	148	143	140	133	145	-	-	-	169	141
160	165	170	157	154	147	164	161	167	172	181	163
200	211	200	208	204	211	203	226	226	238	251	195
250	227	258	264	259	233	228	254	260	269	282	243
280	287	284	300	294	265	268	282	285	302	323	273
320	325	322	316	310	305	297	298	317	332	363	315
360	371	355	351	344	374	337	331	373	385	399	353
400	413	407	399	391	415	401	402	414	437	460	394
450	455	448	453	445	466	462	455	471	493	520	441
500	516	508	499	489	513	506	489	515	531	559	509
560	568	581	574	563	590	538	563	566	584	615	565
630	649	646	624	612	641	641	655	651	671	706	627
700	704	712	725	712	737	760	727	723	757	801	710
800	798	808	812	797	836	811	789	783	809	909	783
900	912	891	899	882	924	888	940	904	946	1031	914
10C	1015	1000	1045	1026	1062	1007	1028	980	1012	1091	1033
11C	1119	1102	1169	1147	1204	1102	1115	1171	1140	1237	1096
12C	1183	1267	1231	1208	1267	1246	1190	1268	1226	1418	1221
14C	1423	1427	1477	1449	1521	1470	1477	1470	1519	1608	1382
16C	1583	1606	1577	1548	1720	1659	1641	1634	1712	1773	1563
18C	1800	1784	1777	1744	1938	1817	1741	1754	1811	2031	1803
20C	2000	2250	1957	1920	1994	2011	1935	1949	2042	2296	1992
22C	2250	2265	2205	2164	2246	2202	2118	2134	2236	2457	2082
25C	2579	2463	2563	2515	2611	2699	2596	2561	2683	2686	2421
28C	2699	2799	2847	2794	2934	2821	2733	2779	2887	3175	2793
32C	3094	3360	3310	3248	3411	3147	2992	3044	3162	3714	3162
36C	3516	3548	3757	3686	3871	3853	3667	3652	3794	4067	3666
40C	4007	3998	4056	3981	4093	4237	4048	4208	4226	4431	4122
45C	4554	4543	4604	4518	4646	4722	4512	4842	4862	4924	4459
50C	4826	4647	5131	5036	5281	5157	5060	5380	5110	5615	5048
56C	5485	5281	5234	5136	5345	5296	5793	5845	5879	6239	5676
63C	6286	5994	5833	5725	6076	5783	6207	6548	6657	-	6812
71C	7144	6815	6542	6420	6752	6660	6980	7276	7083	-	-

0.25 HP

4 POLE 1750 rpm
nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
210	8.328	73	16.4	1350	K03328.0_N_-__.25B--	63	56C
156	11.25	98	13.6	1350	K033211._N_-__.25B--	63	56C
137	12.80	112	12.5	1350	K033212._N_-__.25B--	63	56C
121	14.50	127	11.6	1350	K033214._N_-__.25B--	63	56C
94.4	18.54	162	9.82	1350	K033218._N_-__.25B--	63	56C
87.6	19.98	174	9.34	1350	K033220._N_-__.25B--	63	56C
69.4	25.23	220	7.90	1350	K033225._N_-__.25B--	63	56C
61.2	28.60	250	7.21	1350	K033228._N_-__.25B--	63	56C
53.5	32.68	285	6.52	1350	K033232._N_-__.25B--	63	56C
48.1	36.35	317	6.02	1350	K033236._N_-__.25B--	63	56C
43.7	40.08	350	5.60	1350	K033240._N_-__.25B--	63	56C
39.7	44.11	385	5.17	1350	K033245._N_-__.25B--	63	56C
33.9	51.68	451	4.41	1350	K033250._N_-__.25B--	63	56C
28.2	62.00	541	3.68	1350	K033263._N_-__.25B--	63	56C
24.2	72.27	631	3.15	1350	K033271._N_-__.25B--	63	56C
21.8	80.30	701	2.77	1350	K033280._N_-__.25B--	63	56C
18.1	96.70	845	1.94	1350	K0332100_N_-__.25B--	63	56C
15.8	110.8	968	1.46	1350	K0332112_N_-__.25B--	63	56C
13.9	126.0	1100	1.25	1350	K0332125_N_-__.25B--	63	56C
13.7	127.8	1093	1.82	1350	K0352125_N_-__.25B--	82	56C
12.0	145.3	1243	1.60	1350	K0352140_N_-__.25B--	82	56C
10.6	164.7	1408	1.41	1350	K0352160_N_-__.25B--	82	56C
8.3	210.6	1801	1.10	1350	K0352200_N_-__.25B--	82	56C
7.7	226.9	1941	1.03	1350	K0352250_N_-__.25B--	82	56C
6.1	286.5	2451	0.81	1350	K0352280_N_-__.25B--	82	56C
16.6	105.7	923	4.02	1350	K0432112_N_-__.25B--	75	56C
14.6	120.2	1050	3.64	1350	K0432125_N_-__.25B--	75	56C
13.0	134.4	1149	3.32	1350	K0452125_N_-__.25B--	93	56C
11.8	148.0	1266	3.02	1350	K0452140_N_-__.25B--	93	56C
10.3	170.2	1456	2.62	1350	K0452160_N_-__.25B--	93	56C
8.8	199.9	1710	2.23	1350	K0452200_N_-__.25B--	93	56C
6.8	257.6	2203	1.73	1350	K0452250_N_-__.25B--	93	56C
6.2	284.3	2432	1.57	1350	K0452280_N_-__.25B--	93	56C
5.4	322.4	2758	1.39	1350	K0452320_N_-__.25B--	93	56C
4.9	355.0	3037	1.26	1350	K0452360_N_-__.25B--	93	56C
4.3	407.0	3481	1.10	1350	K0452400_N_-__.25B--	93	56C
3.9	448.2	3834	1.00	1349	K0452450_N_-__.25B--	93	56C
3.4	508.1	4346	0.88	1350	K0452500_N_-__.25B--	93	56C
8.4	207.8	1777	3.26	1800	K0552200_N_-__.25B--	124	56C
6.6	263.9	2258	2.56	1800	K0552250_N_-__.25B--	124	56C
5.8	299.9	2565	2.26	1800	K0552280_N_-__.25B--	124	56C
5.5	316.4	2706	2.14	1800	K0552320_N_-__.25B--	124	56C
5.0	350.9	3002	1.93	1800	K0552360_N_-__.25B--	124	56C
4.4	398.7	3410	1.70	1800	K0552400_N_-__.25B--	124	56C
3.9	453.0	3874	1.49	1800	K0552450_N_-__.25B--	124	56C
3.5	498.8	4266	1.36	1800	K0552500_N_-__.25B--	124	56C
3.1	573.7	4907	1.18	1800	K0552560_N_-__.25B--	124	56C
2.8	623.8	5335	1.09	1800	K0552630_N_-__.25B--	124	56C
2.4	725.5	6205	0.93	1800	K0552700_N_-__.25B--	124	56C
2.2	811.7	6943	0.83	1800	K0552800_N_-__.25B--	124	56C
6.8	259.0	2216	3.24	1800	K0652250_N_-__.25B--	142	56C
5.9	294.3	2517	2.85	1800	K0652280_N_-__.25B--	142	56C
5.6	310.5	2656	2.70	1800	K0652320_N_-__.25B--	142	56C
5.1	344.4	2946	2.43	1800	K0652360_N_-__.25B--	142	56C
4.5	391.2	3346	2.14	1800	K0652400_N_-__.25B--	142	56C
3.9	444.5	3802	1.89	1800	K0652450_N_-__.25B--	142	56C
3.6	489.5	4187	1.71	1800	K0652500_N_-__.25B--	142	56C
3.1	563.0	4816	1.49	1800	K0652560_N_-__.25B--	142	56C
2.9	612.1	5236	1.37	1800	K0652630_N_-__.25B--	142	56C
2.5	712.0	6090	1.18	1800	K0652700_N_-__.25B--	142	56C
2.2	796.6	6813	1.05	1800	K0652800_N_-__.25B--	142	56C
2.0	881.8	7543	0.95	1800	K0652900_N_-__.25B--	142	56C
1.7	1025.6	8773	0.82	1800	K065210C_N_-__.25B--	142	56C

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

0.25 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
4.2	414.6	3547	4.00	3370	K0752400_N_-__.25B--	182	56C
3.8	465.8	3984	3.56	3370	K0752450_N_-__.25B--	182	56C
3.4	512.9	4387	3.24	3370	K0752500_N_-__.25B--	182	56C
3.0	590.0	5046	2.81	3370	K0752560_N_-__.25B--	182	56C
2.7	641.4	5486	2.59	3370	K0752630_N_-__.25B--	182	56C
2.4	737.0	6304	2.25	3370	K0752700_N_-__.25B--	182	56C
2.1	835.8	7149	1.99	3370	K0752800_N_-__.25B--	182	56C
1.9	924.0	7903	1.80	3370	K0752900_N_-__.25B--	182	56C
1.6	1061.8	9082	1.56	3370	K075210C_N_-__.25B--	182	56C
1.5	1204.0	10298	1.38	3370	K075211C_N_-__.25B--	182	56C
1.4	1267.4	10840	1.31	3370	K075212C_N_-__.25B--	182	56C
1.2	1520.8	13008	1.09	3370	K075214C_N_-__.25B--	182	56C
1.0	1719.5	14708	0.97	3370	K075218C_N_-__.25B--	182	56C
0.90	1937.5	16572	0.86	3370	K075220C_N_-__.25B--	182	56C
0.88	1993.6	17052	0.83	3370	K075222C_N_-__.25B--	182	56C
2.3	759.9	6499	3.69	3520	K0852700_N_-__.25B--	331	56C
2.2	811.3	6939	3.46	3520	K0852800_N_-__.25B--	331	56C
2.0	887.8	7594	3.16	3520	K0852900_N_-__.25B--	331	56C
1.7	1006.7	8611	2.79	3520	K085210C_N_-__.25B--	331	56C
1.6	1101.7	9424	2.55	3520	K085211C_N_-__.25B--	331	56C
1.4	1246.4	10661	2.25	3520	K085212C_N_-__.25B--	331	56C
1.2	1469.8	12572	1.91	3520	K085214C_N_-__.25B--	331	56C
1.1	1659.1	14191	1.69	3520	K085216C_N_-__.25B--	331	56C
1.0	1816.7	15539	1.54	3520	K085218C_N_-__.25B--	331	56C
0.87	2011.2	17203	1.40	3520	K085220C_N_-__.25B--	331	56C
0.79	2202.2	18837	1.27	3520	K085222C_N_-__.25B--	331	56C
0.65	2698.9	23085	1.04	3520	K085225C_N_-__.25B--	331	56C
0.62	2821.1	24130	0.99	3520	K085228C_N_-__.25B--	331	56C
0.56	3147.4	26921	0.89	3520	K085232C_N_-__.25B--	331	56C
1.5	1149.2	9830	3.87	7970	K095211C_N_-__.25B--	459	56C
1.4	1224.9	10477	3.63	7970	K095212C_N_-__.25B--	459	56C
1.2	1451.6	12416	3.06	7970	K095214C_N_-__.25B--	459	56C
1.1	1602.6	13707	2.77	7970	K095216C_N_-__.25B--	459	56C
1.0	1711.1	14635	2.60	7970	K095218C_N_-__.25B--	459	56C
0.84	2079.6	17788	2.14	7970	K095220C_N_-__.25B--	459	56C
0.82	2123.3	18161	2.09	7970	K095222C_N_-__.25B--	459	56C
0.70	2503.8	21416	1.77	7970	K095225C_N_-__.25B--	459	56C
0.64	2741.6	23450	1.62	7970	K095228C_N_-__.25B--	459	56C
0.53	3332.2	28501	1.33	7970	K095232C_N_-__.25B--	459	56C
0.47	3744.9	32031	1.19	7970	K095236C_N_-__.25B--	459	56C
0.43	4083.7	34929	1.09	7970	K095240C_N_-__.25B--	459	56C
0.38	4551.6	38931	0.98	7970	K095245C_N_-__.25B--	459	56C
0.91	1913.5	16367	3.89	9690	K105218C_N_-__.25B--	735	56C
0.84	2095.5	17924	3.55	9690	K105220C_N_-__.25B--	735	56C
0.78	2230.5	19078	3.33	9690	K105222C_N_-__.25B--	735	56C
0.69	2528.5	21628	2.94	9690	K105225C_N_-__.25B--	735	56C
0.60	2913.4	24920	2.55	9690	K105228C_N_-__.25B--	735	56C
0.57	3087.0	26404	2.41	9690	K105232C_N_-__.25B--	735	56C
0.50	3496.1	29904	2.13	9690	K105236C_N_-__.25B--	735	56C
0.44	4022.4	34405	1.85	9690	K105240C_N_-__.25B--	735	56C
0.39	4469.4	38228	1.66	9690	K105245C_N_-__.25B--	735	56C
0.34	5186.0	44358	1.43	9690	K105250C_N_-__.25B--	735	56C
0.32	5440.2	46532	1.37	9690	K105256C_N_-__.25B--	735	56C
0.27	6494.2	55548	1.14	9690	K105263C_N_-__.25B--	735	56C
0.50	3507.6	30002	3.63	13800	K125236C_N_-__.25B--	1088	56C
0.43	4035.6	34518	3.16	13800	K125240C_N_-__.25B--	1088	56C
0.39	4484.0	38354	2.84	13800	K125245C_N_-__.25B--	1088	56C
0.33	5237.7	44800	2.43	13800	K125250C_N_-__.25B--	1088	56C
0.32	5525.8	47264	2.31	13800	K125256C_N_-__.25B--	1088	56C
0.27	6532.3	55873	1.95	13800	K125263C_N_-__.25B--	1088	56C
0.31	5614.9	48027	3.87	18000	K155256C_N_-__.25B--	1732	56C
0.28	6238.8	53363	3.49	18000	K155263C_N_-__.25B--	1732	56C

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

0.33 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
210	8.328	96	12.4	1350	K03328.0_N_-__.33B--	63	56C
156	11.25	130	10.3	1350	K033211._N_-__.33B--	63	56C
137	12.80	148	9.49	1350	K033212._N_-__.33B--	63	56C
121	14.50	167	8.79	1350	K033214._N_-__.33B--	63	56C
94	18.54	214	7.44	1350	K033218._N_-__.33B--	63	56C
88	19.98	230	7.08	1350	K033220._N_-__.33B--	63	56C
69	25.23	291	5.98	1350	K033225._N_-__.33B--	63	56C
61	28.60	330	5.46	1350	K033228._N_-__.33B--	63	56C
54	32.68	377	4.94	1350	K033232._N_-__.33B--	63	56C
48	36.35	419	4.56	1350	K033236._N_-__.33B--	63	56C
44	40.08	462	4.24	1350	K033240._N_-__.33B--	63	56C
40	44.11	509	3.91	1350	K033245._N_-__.33B--	63	56C
34	51.68	596	3.34	1350	K033250._N_-__.33B--	63	56C
28	62.00	715	2.78	1350	K033263._N_-__.33B--	63	56C
24	72.27	833	2.39	1350	K033271._N_-__.33B--	63	56C
22	80.30	926	2.10	1350	K033280._N_-__.33B--	63	56C
18	96.70	1115	1.47	1350	K0332100_N_-__.33B--	63	56C
16	110.8	1277	1.10	1350	K0332112_N_-__.33B--	63	56C
14	126.0	1453	0.95	1350	K0332125_N_-__.33B--	63	56C
14	127.8	1443	1.38	1350	K0352125_N_-__.33B--	82	56C
19	93.12	1074	3.38	1350	K0432100_N_-__.33B--	75	56C
17	105.7	1219	3.04	1350	K0432112_N_-__.33B--	75	56C
15	120.2	1386	2.76	1350	K0432125_N_-__.33B--	75	56C
13	134.4	1517	2.52	1350	K0452125_N_-__.33B--	93	56C
12	148.0	1671	2.29	1350	K0452140_N_-__.33B--	93	56C
10	170.2	1922	1.99	1350	K0452160_N_-__.33B--	93	56C
8.8	199.9	2257	1.69	1350	K0452200_N_-__.33B--	93	56C
6.8	257.6	2908	1.31	1350	K0452250_N_-__.33B--	93	56C
6.2	284.3	3210	1.19	1350	K0452280_N_-__.33B--	93	56C
5.4	322.4	3640	1.05	1350	K0452320_N_-__.33B--	93	56C
4.9	355.0	4008	0.95	1350	K0452360_N_-__.33B--	93	56C
4.3	407.0	4596	0.83	1350	K0452400_N_-__.33B--	93	56C
14	122.2	1380	3.90	1800	K0532125_N_-__.33B--	94	56C
12	142.8	1612	3.59	1800	K0552140_N_-__.33B--	124	56C
11	157.3	1777	3.26	1800	K0552160_N_-__.33B--	124	56C
8.4	207.8	2346	2.47	1800	K0552200_N_-__.33B--	124	56C
6.6	263.9	2980	1.94	1800	K0552250_M_-__.33B--	124	56C
5.8	299.9	3385	1.71	1800	K0552280_N_-__.33B--	124	56C
5.5	316.4	3572	1.62	1800	K0552320_N_-__.33B--	124	56C
5.0	350.9	3962	1.46	1800	K0552360_N_-__.33B--	124	56C
4.4	398.7	4501	1.29	1800	K0552400_N_-__.33B--	124	56C
3.9	453.0	5114	1.13	1800	K0552450_N_-__.33B--	124	56C
3.5	498.8	5632	1.03	1800	K0552500_N_-__.33B--	124	56C
3.1	573.7	6478	0.89	1800	K0552560_N_-__.33B--	124	56C
2.8	623.8	7043	0.82	1800	K0552630_N_-__.33B--	124	56C
15	119.9	1382	3.81	1800	K0632125_N_-__.33B--	111	56C
8.6	203.9	2303	3.11	1800	K0652200_N_-__.33B--	142	56C
6.8	259.0	2924	2.45	1800	K0652250_N_-__.33B--	142	56C
5.9	294.3	3322	2.16	1800	K0652280_N_-__.33B--	142	56C
5.6	310.5	3506	2.05	1800	K0652320_N_-__.33B--	142	56C
5.1	344.4	3888	1.84	1800	K0652360_N_-__.33B--	142	56C
4.5	391.2	4417	1.62	1800	K0652400_N_-__.33B--	142	56C
3.9	444.5	5019	1.43	1800	K0652450_N_-__.33B--	142	56C
3.6	489.5	5527	1.30	1800	K0652500_N_-__.33B--	142	56C
3.1	563.0	6357	1.13	1800	K0652560_N_-__.33B--	142	56C
2.9	612.1	6911	1.04	1800	K0652630_N_-__.33B--	142	56C
2.5	712.0	8038	0.89	1800	K0652700_N_-__.33B--	142	56C
2.2	796.6	8993	0.80	1800	K0652800_N_-__.33B--	142	56C
4.7	373.9	4221	3.36	3370	K0752360_N_-__.33B--	182	56C
4.2	414.6	4682	3.03	3370	K0752400_N_-__.33B--	182	56C
3.8	465.8	5259	2.70	3370	K0752450_N_-__.33B--	182	56C
3.4	512.9	5791	2.45	3370	K0752500_N_-__.33B--	182	56C
3.0	590.0	6661	2.13	3370	K0752560_N_-__.33B--	182	56C
2.7	641.4	7242	1.96	3370	K0752630_N_-__.33B--	182	56C
2.4	737.0	8322	1.71	3370	K0752700_N_-__.33B--	182	56C
2.1	835.8	9436	1.50	3370	K0752800_N_-__.33B--	182	56C
1.9	924.0	10432	1.36	3370	K0752900_N_-__.33B--	182	56C
1.6	1061.8	11988	1.18	3370	K075210C_N_-__.33B--	182	56C
1.5	1204.0	13594	1.04	3370	K075211C_N_-__.33B--	182	56C
1.4	1267.4	14309	0.99	3370	K075212C_N_-__.33B--	182	56C

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

0.33 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
3.3	537.7	6071	3.95	3520	K0852560_N_-__.33B--	331	56C
2.7	641.2	7239	3.32	3520	K0852630_N_-__.33B--	331	56C
2.3	759.9	8579	2.80	3520	K0852700_N_-__.33B--	331	56C
2.2	811.3	9160	2.62	3520	K0852800_N_-__.33B--	331	56C
2.0	887.8	10024	2.39	3520	K0852900_N_-__.33B--	331	56C
1.7	1006.7	11367	2.11	3520	K085210C_N_-__.33B--	331	56C
1.6	1101.7	12439	1.93	3520	K085211C_N_-__.33B--	331	56C
1.4	1246.4	14073	1.71	3520	K085212C_N_-__.33B--	331	56C
1.2	1469.8	16595	1.45	3520	K085214C_N_-__.33B--	331	56C
1.1	1659.1	18732	1.28	3520	K085216C_N_-__.33B--	331	56C
1.0	1816.7	20511	1.17	3520	K085218C_N_-__.33B--	331	56C
0.87	2011.2	22708	1.06	3520	K085220C_N_-__.33B--	331	56C
0.79	2202.2	24864	0.97	3520	K085222C_N_-__.33B--	331	56C
2.2	813.6	9186	4.14	7970	K0952800_N_-__.33B--	459	56C
2.0	883.1	9971	3.81	7970	K0952900_N_-__.33B--	459	56C
1.7	1027.2	11597	3.28	7970	K095210C_N_-__.33B--	459	56C
1.5	1149.2	12975	2.93	7970	K095211C_N_-__.33B--	459	56C
1.4	1224.9	13829	2.75	7970	K095212C_N_-__.33B--	459	56C
1.2	1451.6	16390	2.32	7970	K095214C_N_-__.33B--	459	56C
1.1	1602.6	18094	2.10	7970	K095216C_N_-__.33B--	459	56C
1.0	1711.1	19319	1.97	7970	K095218C_N_-__.33B--	459	56C
0.84	2079.6	23480	1.62	7970	K095220C_N_-__.33B--	459	56C
0.82	2123.3	23973	1.59	7970	K095222C_N_-__.33B--	459	56C
0.70	2503.8	28269	1.34	7970	K095225C_N_-__.33B--	459	56C
0.64	2741.6	30954	1.23	7970	K095228C_N_-__.33B--	459	56C
0.53	3332.2	37622	1.01	7970	K095232C_N_-__.33B--	459	56C
1.2	1476.8	16673	3.81	9690	K102214C_N_-__.33B--	735	56C
1.0	1669.7	18852	3.37	9690	K105216C_N_-__.33B--	735	56C
0.91	1913.5	21605	2.94	9690	K105218C_N_-__.33B--	735	56C
0.84	2095.5	23660	2.69	9690	K105220C_N_-__.33B--	735	56C
0.78	2230.5	25183	2.53	9690	K105222C_N_-__.33B--	735	56C
0.69	2528.5	28548	2.23	9690	K105225C_N_-__.33B--	735	56C
0.60	2913.4	32894	1.93	9690	K105228C_N_-__.33B--	735	56C
0.57	3087.0	34854	1.82	9690	K105232C_N_-__.33B--	735	56C
0.50	3496.1	39473	1.61	9690	K105236C_N_-__.33B--	735	56C
0.44	4022.4	45415	1.40	9690	K105240C_N_-__.33B--	735	56C
0.39	4469.4	50461	1.26	9690	K105245C_N_-__.33B--	735	56C
0.34	5186.0	58553	1.09	9690	K105250C_N_-__.33B--	735	56C
0.32	5440.2	61422	1.04	9690	K105256C_N_-__.33B--	735	56C
0.27	6494.2	73323	0.87	9540	K105263C_N_-__.33B--	735	56C
0.67	2624.5	29631	3.68	13800	K125225C_N_-__.33B--	1088	56C
0.60	2923.0	33002	3.30	13800	K125228C_N_-__.33B--	1088	56C
0.56	3117.8	35201	3.10	13800	K125232C_N_-__.33B--	1088	56C
0.50	3507.6	39602	2.75	13800	K125236C_N_-__.33B--	1088	56C
0.43	4035.6	45564	2.39	13800	K125240C_N_-__.33B--	1088	56C
0.39	4484.0	50627	2.15	13800	K125245C_N_-__.33B--	1088	56C
0.33	5237.7	59137	1.84	13800	K125250C_N_-__.33B--	1088	56C
0.32	5525.8	62388	1.75	13800	K125256C_N_-__.33B--	1088	56C
0.27	6532.3	73753	1.48	13800	K125263C_N_-__.33B--	1088	56C
0.39	4431.2	50031	3.72	18000	K155245C_N_-__.33B--	1732	56C
0.36	4923.6	55590	3.35	18000	K155250C_N_-__.33B--	1732	56C
0.31	5614.9	63395	2.93	18000	K155256C_N_-__.33B--	1732	56C

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

0.50 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
210	8.328	145	8.18	1208	K03328.0_N_-__.50B--	63	56C
156	11.25	197	6.82	1220	K033211._N_-__.50B--	63	56C
137	12.80	224	6.26	1241	K033212._N_-__.50B--	63	56C
121	14.50	253	5.80	1261	K033214._N_-__.50B--	63	56C
94	18.54	324	4.91	1306	K033218._N_-__.50B--	63	56C
88	19.98	349	4.67	1316	K033220._N_-__.50B--	63	56C
69	25.23	441	3.95	1350	K033225._N_-__.50B--	63	56C
61	28.60	500	3.60	1350	K033228._N_-__.50B--	63	56C
54	32.68	571	3.26	1350	K033232._N_-__.50B--	63	56C
48	36.35	635	3.01	1350	K033236._N_-__.50B--	63	56C
44	40.08	700	2.80	1350	K033240._N_-__.50B--	63	56C
40	44.11	770	2.58	1350	K033245._N_-__.50B--	63	56C
34	51.68	903	2.20	1350	K033250._N_-__.50B--	63	56C
28	62.00	1083	1.84	1350	K033263._N_-__.50B--	63	56C
24	72.27	1262	1.58	1350	K033271._N_-__.50B--	63	56C
22	80.30	1403	1.38	1350	K033280._N_-__.50B--	63	56C
18	96.70	1689	0.97	1350	K0332100_N_-__.50B--	63	56C
14	127.8	2186	0.91	1350	K0352125_N_-__.50B--	82	56C
12	145.3	2486	0.80	1350	K0352140_N_-__.50B--	82	56C
30	59.24	1035	3.69	1350	K043263._N_-__.50B--	75	56C
25	71.09	1242	3.08	1350	K043271._N_-__.50B--	75	56C
22	80.10	1399	2.73	1350	K043280._N_-__.50B--	75	56C
19	93.12	1627	2.23	1350	K0432100_N_-__.50B--	75	56C
17	105.7	1846	2.01	1350	K0432112_N_-__.50B--	75	56C
15	120.2	2100	1.82	1350	K0432125_N_-__.50B--	75	56C
13	134.4	2299	1.66	1350	K0452125_N_-__.50B--	93	56C
12	148.0	2531	1.51	1350	K0452140_N_-__.50B--	93	56C
10	170.2	2912	1.31	1350	K0452160_N_-__.50B--	93	56C
8.8	199.9	3420	1.12	1350	K0452200_N_-__.50B--	93	56C
6.8	257.6	4407	0.87	1350	K0452250_N_-__.50B--	93	56C
18	97.76	1708	3.39	1800	K0532100_N_-__.50B--	94	56C
16	109.0	1904	3.04	1800	K0532112_N_-__.50B--	94	56C
14	122.2	2134	2.52	1800	K0532125_N_-__.50B--	94	56C
15	118.4	2025	2.86	1800	K0552125_N_-__.50B--	124	56C
12	142.8	2443	2.37	1800	K0552140_N_-__.50B--	124	56C
11	157.3	2692	2.15	1800	K0552160_N_-__.50B--	124	56C
8.4	207.8	3555	1.63	1800	K0552200_N_-__.50B--	124	56C
6.6	263.9	4515	1.28	1800	K0552250_N_-__.50B--	124	56C
5.8	299.9	5129	1.13	1800	K0552280_N_-__.50B--	124	56C
5.5	316.4	5413	1.07	1800	K0552320_N_-__.50B--	124	56C
5.0	350.9	6003	0.96	1800	K0552360_N_-__.50B--	124	56C
4.4	398.7	6820	0.85	1800	K0552400_N_-__.50B--	124	56C
16	106.9	1867	3.66	1800	K0632112_N_-__.50B--	111	56C
15	119.9	2094	2.52	1800	K0632125_N_-__.50B--	111	56C
15	116.2	1988	3.61	1800	K0652125_N_-__.50B--	142	56C
12	140.1	2397	2.99	1800	K0652140_N_-__.50B--	142	56C
11	154.4	2641	2.71	1800	K0652160_N_-__.50B--	142	56C
8.6	203.9	3489	2.06	1800	K0652200_N_-__.50B--	142	56C
6.8	259.0	4431	1.62	1800	K0652250_N_-__.50B--	142	56C
5.9	294.3	5034	1.42	1800	K0652280_N_-__.50B--	142	56C
5.6	310.5	5312	1.35	1800	K0652320_N_-__.50B--	142	56C
5.1	344.4	5891	1.22	1800	K0652360_N_-__.50B--	142	56C
4.5	391.2	6693	1.07	1800	K0652400_N_-__.50B--	142	56C
3.9	444.5	7604	0.94	1800	K0652450_N_-__.50B--	142	56C
3.6	489.5	8374	0.86	1800	K0652500_N_-__.50B--	142	56C
8.3	211.1	3612	3.93	3370	K0752200_N_-__.50B--	182	56C
7.5	233.4	3992	3.56	3370	K0752250_N_-__.50B--	182	56C
6.6	265.1	4535	3.13	3370	K0752280_N_-__.50B--	182	56C
5.7	304.6	5211	2.72	3370	K0752320_N_-__.50B--	182	56C
4.7	373.9	6396	2.22	3370	K0752360_N_-__.50B--	182	56C
4.2	414.6	7093	2.00	3370	K0752400_N_-__.50B--	182	56C
3.8	465.8	7968	1.78	3370	K0752450_N_-__.50B--	182	56C
3.4	512.9	8774	1.62	3370	K0752500_N_-__.50B--	182	56C
3.0	590.0	10093	1.41	3370	K0752560_N_-__.50B--	182	56C
2.7	641.4	10972	1.29	3370	K0752630_N_-__.50B--	182	56C
2.4	737.0	12608	1.13	3370	K0752700_N_-__.50B--	182	56C
2.1	835.8	14297	0.99	3370	K0752800_N_-__.50B--	182	56C
1.9	924.0	15807	0.90	3370	K0752900_N_-__.50B--	182	56C

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

0.50 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
3.8	462.3	7908	3.03	3520	K0852450_N_-__.50B--	331	56C
3.5	505.9	8654	2.77	3520	K0852500_N_-__.50B--	331	56C
3.3	537.7	9198	2.61	3520	K0852560_N_-__.50B--	331	56C
2.7	641.2	10968	2.19	3520	K0852630_N_-__.50B--	331	56C
2.3	759.9	12999	1.85	3520	K0852700_N_-__.50B--	331	56C
2.2	811.3	13879	1.73	3520	K0852800_N_-__.50B--	331	56C
2.0	887.8	15188	1.58	3520	K0852900_N_-__.50B--	331	56C
1.7	1006.7	17222	1.39	3520	K085210C_N_-__.50B--	331	56C
1.6	1101.7	18847	1.27	3520	K085211C_N_-__.50B--	331	56C
1.4	1246.4	21323	1.13	3520	K085212C_N_-__.50B--	331	56C
1.2	1469.8	25144	0.95	3520	K085214C_N_-__.50B--	331	56C
1.1	1659.1	28382	0.85	3520	K085216C_N_-__.50B--	331	56C
3.1	562.8	9627	3.95	7970	K0952560_N_-__.50B--	459	56C
2.8	625.2	10695	3.55	7970	K0952630_N_-__.50B--	459	56C
2.3	764.7	13081	2.90	7970	K0952700_N_-__.50B--	459	56C
2.2	813.6	13918	2.73	7970	K0952800_N_-__.50B--	459	56C
2.0	883.1	15108	2.52	7970	K0952900_N_-__.50B--	459	56C
1.7	1027.2	17571	2.16	7970	K095210C_N_-__.50B--	459	56C
1.5	1149.2	19659	1.93	7970	K095211C_N_-__.50B--	459	56C
1.4	1224.9	20954	1.81	7970	K095212C_N_-__.50B--	459	56C
1.2	1451.6	24833	1.53	7970	K095214C_N_-__.50B--	459	56C
1.1	1602.6	27415	1.39	7970	K095216C_N_-__.50B--	459	56C
1.0	1711.1	29271	1.30	7970	K095218C_N_-__.50B--	459	56C
0.84	2079.6	35576	1.07	7970	K095220C_N_-__.50B--	459	56C
0.82	2123.3	36322	1.05	7970	K095222C_N_-__.50B--	459	56C
0.70	2503.8	42831	0.89	7970	K095250C_N_-__.50B--	459	56C
1.7	1031.0	17637	3.61	9690	K105210C_N_-__.50B--	735	56C
1.5	1169.1	20000	3.18	9690	K105211C_N_-__.50B--	735	56C
1.4	1223.9	20937	3.04	9690	K105212C_N_-__.50B--	735	56C
1.2	1476.8	25263	2.52	9690	K105214C_N_-__.50B--	735	56C
1.0	1669.7	28563	2.23	9690	K105216C_N_-__.50B--	735	56C
0.9	1913.5	32734	1.94	9690	K105218C_N_-__.50B--	735	56C
0.8	2095.5	35848	1.77	9690	K105220C_N_-__.50B--	735	56C
0.8	2230.5	38157	1.67	9690	K105222C_N_-__.50B--	735	56C
0.7	2528.5	43255	1.47	9690	K105225C_N_-__.50B--	735	56C
0.6	2913.4	49840	1.28	9690	K105228C_N_-__.50B--	735	56C
0.6	3087.0	52809	1.20	9690	K105232C_N_-__.50B--	735	56C
0.5	3496.1	59808	1.06	9690	K105236C_N_-__.50B--	735	56C
0.4	4022.4	68811	0.92	9606	K105240C_N_-__.50B--	735	56C
0.4	4469.4	76456	0.83	9496	K105245C_N_-__.50B--	735	56C
1.0	1733.0	29647	3.68	13800	K125216C_N_-__.50B--	1088	56C
0.90	1951.8	33389	3.26	13800	K125218C_N_-__.50B--	1088	56C
0.82	2137.4	36564	2.98	13800	K125220C_N_-__.50B--	1088	56C
0.78	2237.8	38282	2.85	13800	K125222C_N_-__.50B--	1088	56C
0.67	2624.5	44896	2.43	13800	K125225C_N_-__.50B--	1088	56C
0.60	2923.0	50003	2.18	13800	K125228C_N_-__.50B--	1088	56C
0.56	3117.8	53335	2.04	13800	K125232C_N_-__.50B--	1088	56C
0.50	3507.6	60004	1.82	13800	K125236C_N_-__.50B--	1088	56C
0.43	4035.6	69036	1.58	13800	K125240C_N_-__.50B--	1088	56C
0.39	4484.0	76707	1.42	13800	K125245C_N_-__.50B--	1088	56C
0.33	5237.7	89601	1.22	13800	K125250C_N_-__.50B--	1088	56C
0.32	5525.8	94528	1.15	13800	K125256C_N_-__.50B--	1088	56C
0.27	6532.3	111746	0.98	13800	K125263C_N_-__.50B--	1088	56C
0.55	3175.3	54320	3.42	18000	K155232C_N_-__.50B--	1732	56C
0.47	3713.7	63529	2.93	18000	K155236C_N_-__.50B--	1732	56C
0.43	4066.9	69571	2.67	18000	K155240C_N_-__.50B--	1732	56C
0.39	4431.2	75804	2.45	18000	K155245C_N_-__.50B--	1732	56C
0.36	4923.6	84227	2.21	18000	K155250C_N_-__.50B--	1732	56C
0.31	5614.9	96053	1.94	18000	K155256C_N_-__.50B--	1732	56C
0.28	6238.8	106726	1.74	18000	K155263C_N_-__.50B--	1732	56C

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

0.75 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
210	8.328	218	5.45	1070	K03328.0_N_-__.75B--	63	56C
156	11.25	295	4.55	1080	K033211._N_-__.75B--	63	56C
137	12.80	335	4.17	1099	K033212._N_-__.75B--	63	56C
121	14.50	380	3.87	1117	K033214._N_-__.75B--	63	56C
94	18.54	486	3.27	1156	K033218._N_-__.75B--	63	56C
88	19.98	523	3.11	1166	K033220._N_-__.75B--	63	56C
69	25.23	661	2.63	1206	K033225._N_-__.75B--	63	56C
61	28.60	749	2.40	1228	K033228._N_-__.75B--	63	56C
54	32.68	856	2.17	1252	K033232._N_-__.75B--	63	56C
48	36.35	952	2.01	1269	K033236._N_-__.75B--	63	56C
44	40.08	1050	1.87	1290	K033240._N_-__.75B--	63	56C
40	44.11	1156	1.72	1307	K033245._N_-__.75B--	63	56C
34	51.68	1354	1.47	1336	K033250._N_-__.75B--	63	56C
28	62.00	1624	1.23	1350	K033263._N_-__.75B--	63	56C
24	72.27	1894	1.05	1350	K033271._N_-__.75B--	63	56C
22	80.30	2104	0.92	1350	K033280._N_-__.75B--	63	56C
49	35.83	939	3.89	1350	K043236._N_-__.75B--	75	56C
44	39.46	1034	3.52	1350	K043240._N_-__.75B--	75	56C
39	45.39	1189	3.16	1350	K043245._N_-__.75B--	75	56C
35	49.35	1293	2.95	1350	K043250._N_-__.75B--	75	56C
30	59.24	1552	2.46	1350	K043263._N_-__.75B--	75	56C
25	71.09	1863	2.05	1350	K043271._N_-__.75B--	75	56C
22	80.10	2099	1.82	1350	K043280._N_-__.75B--	75	56C
19	93.12	2440	1.49	1350	K0432100_N_-__.75B--	75	56C
17	105.7	2769	1.34	1350	K0432112_N_-__.75B--	75	56C
15	120.2	3149	1.21	1350	K0432125_N_-__.75B--	75	56C
13	134.4	3448	1.11	1350	K0452125_N_-__.75B--	93	56C
12	148.0	3797	1.01	1350	K0452140_N_-__.75B--	93	56C
10	170.2	4368	0.87	1350	K0452160_N_-__.75B--	93	56C
							56C
28	61.78	1619	3.58	1788	K053263._N_-__.75B--	94	56C
24	72.85	1909	3.03	1800	K053271._N_-__.75B--	94	56C
22	79.77	2090	2.77	1800	K053280._N_-__.75B--	94	56C
18	97.76	2561	2.26	1800	K0532100_N_-__.75B--	94	56C
16	109.0	2856	2.03	1800	K0532112_N_-__.75B--	94	56C
14	122.2	3202	1.68	1800	K0532125_N_-__.75B--	94	56C
15	118.4	3038	1.91	1800	K0552125_N_-__.75B--	124	56C
12	142.8	3664	1.58	1800	K0552140_N_-__.75B--	124	56C
11	157.3	4038	1.43	1800	K0552160_N_-__.75B--	124	56C
8.4	207.8	5332	1.09	1800	K0552200_N_-__.75B--	124	56C
6.6	263.9	6773	0.85	1800	K0552250_N_-__.75B--	124	56C
24	71.49	1873	3.83	1800	K063271._N_-__.75B--	111	56C
22	78.28	2051	3.50	1800	K063280._N_-__.75B--	111	56C
18	95.93	2513	2.85	1800	K0632100_N_-__.75B--	111	56C
16	106.9	2801	2.44	1800	K0632112_N_-__.75B--	111	56C
15	119.9	3141	1.68	1800	K0632125_N_-__.75B--	111	56C
15	116.2	2981	2.40	1800	K0652125_N_-__.75B--	142	56C
12	140.1	3596	1.99	1800	K0652140_N_-__.75B--	142	56C
11	154.4	3962	1.81	1800	K0652160_N_-__.75B--	142	56C
8.6	203.9	5233	1.37	1800	K0652200_N_-__.75B--	142	56C
6.8	259.0	6647	1.08	1800	K0652250_N_-__.75B--	142	56C
5.9	294.3	7551	0.95	1800	K0652280_N_-__.75B--	142	56C
5.6	310.5	7967	0.90	1800	K0652320_N_-__.75B--	142	56C
5.1	344.4	8837	0.81	1800	K0652360_N_-__.75B--	142	56C
14	126.1	3304	3.69	3370	K0732125_N_-__.75B--	154	56C
12	147.1	3774	3.76	3370	K0752160_N_-__.75B--	182	56C
8.3	211.1	5417	2.62	3370	K0752200_N_-__.75B--	182	56C
7.5	233.4	5988	2.37	3370	K0752250_N_-__.75B--	182	56C
6.6	265.1	6803	2.09	3370	K0752280_N_-__.75B--	182	56C
5.7	304.6	7817	1.82	3370	K0752320_N_-__.75B--	182	56C
4.7	373.9	9593	1.48	3370	K0752360_N_-__.75B--	182	56C
4.2	414.6	10640	1.33	3370	K0752400_N_-__.75B--	182	56C
3.8	465.8	11952	1.19	3370	K0752450_N_-__.75B--	182	56C
3.4	512.9	13161	1.08	3370	K0752500_N_-__.75B--	182	56C
3.0	590.0	15139	0.94	3370	K0752560_N_-__.75B--	182	56C
2.7	641.4	16459	0.86	3370	K0752630_N_-__.75B--	182	56C
3.8	462.3	11862	2.02	3520	K0852450_N_-__.75B--	331	56C
3.5	505.9	12981	1.85	3520	K0852500_N_-__.75B--	331	56C
3.3	537.7	13797	1.74	3520	K0852560_N_-__.75B--	331	56C
2.7	641.2	16452	1.46	3520	K0852630_N_-__.75B--	331	56C
2.3	759.9	19498	1.23	3520	K0852700_N_-__.75B--	331	56C
2.2	811.3	20818	1.15	3520	K0852800_N_-__.75B--	331	56C
2.0	887.8	22782	1.05	3520	K0852900_N_-__.75B--	331	56C
1.7	1006.7	25833	0.93	3520	K085210C_N_-__.75B--	331	56C
1.6	1101.7	28271	0.85	3520	K085211C_N_-__.75B--	331	56C

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

0.75 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
3.9	446.6	11459	3.32	7970	K0952450_N_-__.75B--	459	56C
3.5	505.5	12972	2.93	7970	K0952500_N_-__.75B--	459	56C
3.1	562.8	14440	2.63	7970	K0952560_N_-__.75B--	459	56C
2.8	625.2	16043	2.37	7970	K0952630_N_-__.75B--	459	56C
2.3	764.7	19622	1.94	7970	K0952700_N_-__.75B--	459	56C
2.2	813.6	20877	1.82	7970	K0952800_N_-__.75B--	459	56C
2.0	883.1	22662	1.68	7970	K0952900_N_-__.75B--	459	56C
1.7	1027.2	26357	1.44	7970	K095210C_N_-__.75B--	459	56C
1.5	1149.2	29489	1.29	7970	K095211C_N_-__.75B--	459	56C
1.4	1224.9	31430	1.21	7970	K095212C_N_-__.75B--	459	56C
1.2	1451.6	37249	1.02	7970	K095214C_N_-__.75B--	459	56C
1.1	1602.6	41122	0.92	7970	K095216C_N_-__.75B--	459	56C
2.8	629.2	16145	3.94	9690	K1052630_N_-__.75B--	735	56C
2.4	723.0	18552	3.43	9690	K1052700_N_-__.75B--	735	56C
2.1	819.8	21037	3.02	9690	K1052800_N_-__.75B--	735	56C
2.0	897.2	23023	2.76	9690	K1052900_N_-__.75B--	735	56C
1.7	1031.0	26455	2.40	9690	K105210C_N_-__.75B--	735	56C
1.5	1169.1	30000	2.12	9690	K105211C_N_-__.75B--	735	56C
1.4	1223.9	31405	2.03	9690	K105212C_N_-__.75B--	735	56C
1.2	1476.8	37894	1.68	9690	K105214C_N_-__.75B--	735	56C
1.0	1669.7	42845	1.48	9690	K105216C_N_-__.75B--	735	56C
0.91	1913.5	49102	1.30	9690	K105218C_N_-__.75B--	735	56C
0.84	2095.5	53772	1.18	9690	K105220C_N_-__.75B--	735	56C
0.78	2230.5	57235	1.11	9690	K105222C_N_-__.75B--	735	56C
0.69	2528.5	64883	0.98	9690	K105225C_N_-__.75B--	735	56C
0.60	2913.4	74759	0.85	9690	K105228C_N_-__.75B--	735	56C
1.6	1070.1	27459	3.97	13800	K125210C_N_-__.75B--	1088	56C
1.4	1213.5	31138	3.50	13800	K125211C_N_-__.75B--	1088	56C
1.4	1248.3	32033	3.40	13800	K125212C_N_-__.75B--	1088	56C
1.1	1532.8	39332	2.77	13800	K125214C_N_-__.75B--	1088	56C
1.0	1733.0	44470	2.45	13800	K125216C_N_-__.75B--	1088	56C
0.90	1951.8	50083	2.18	13800	K125218C_N_-__.75B--	1088	56C
0.82	2137.4	54847	1.99	13800	K125220C_N_-__.75B--	1088	56C
0.78	2237.8	57423	1.90	13800	K125222C_N_-__.75B--	1088	56C
0.67	2624.5	67344	1.62	13800	K125225C_N_-__.75B--	1088	56C
0.60	2923.0	75005	1.45	13800	K125228C_N_-__.75B--	1088	56C
0.56	3117.8	80003	1.36	13800	K125232C_N_-__.75B--	1088	56C
0.50	3507.6	90005	1.21	13800	K125236C_N_-__.75B--	1088	56C
0.43	4035.6	103555	1.05	13800	K125240C_N_-__.75B--	1088	56C
0.39	4484.0	115061	0.95	13800	K125245C_N_-__.75B--	1088	56C
0.33	5237.7	134401	0.81	13800	K125250C_N_-__.75B--	1088	56C
0.9	2030.9	52113	3.57	18000	K155220C_N_-__.75B--	1732	56C
0.8	2296.2	58922	3.16	18000	K155222C_N_-__.75B--	1732	56C
0.7	2457.2	63052	2.95	18000	K155225C_N_-__.75B--	1732	56C
0.7	2685.5	68911	2.70	18000	K155228C_N_-__.75B--	1732	56C
0.6	3175.3	81480	2.28	18000	K155232C_N_-__.75B--	1732	56C
0.5	3713.7	95294	1.95	18000	K155236C_N_-__.75B--	1732	56C
0.4	4066.9	104357	1.78	18000	K155240C_N_-__.75B--	1732	56C
0.4	4431.2	113706	1.64	18000	K155245C_N_-__.75B--	1732	56C
0.4	4923.6	126340	1.47	18000	K155250C_N_-__.75B--	1732	56C
0.3	5614.9	144080	1.29	18000	K155256C_N_-__.75B--	1732	56C
0.3	6238.8	160089	1.16	18000	K155263C_N_-__.75B--	1732	56C

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

1.00 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
210	8.328	291	4.09	981	K03328.0_N_-__1.0B--	68	143TC
156	11.25	393	3.41	991	K033211._N_-__1.0B--	68	143TC
137	12.80	447	3.13	1008	K033212._N_-__1.0B--	68	143TC
121	14.50	507	2.90	1024	K033214._N_-__1.0B--	68	143TC
94	18.54	648	2.45	1060	K033218._N_-__1.0B--	68	143TC
88	19.98	698	2.34	1069	K033220._N_-__1.0B--	68	143TC
69	25.23	881	1.97	1106	K033225._N_-__1.0B--	68	143TC
61	28.60	999	1.80	1126	K033228._N_-__1.0B--	68	143TC
54	32.68	1142	1.63	1148	K033232._N_-__1.0B--	68	143TC
48	36.35	1270	1.50	1164	K033236._N_-__1.0B--	68	143TC
44	40.08	1400	1.40	1184	K033240._N_-__1.0B--	68	143TC
40	44.11	1541	1.29	1199	K033245._N_-__1.0B--	68	143TC
34	51.68	1805	1.10	1225	K033250._N_-__1.0B--	68	143TC
28	62.00	2166	0.92	1267	K033263._N_-__1.0B--	68	143TC
70	25.03	874	3.69	1350	K043225._N_-__1.0B--	80	143TC
63	27.76	970	3.42	1350	K043228._N_-__1.0B--	80	143TC
55	31.54	1102	3.11	1350	K043232._N_-__1.0B--	80	143TC
49	35.83	1252	2.92	1350	K043236._N_-__1.0B--	80	143TC
44	39.46	1378	2.64	1350	K043240._N_-__1.0B--	80	143TC
39	45.39	1586	2.37	1350	K043245._N_-__1.0B--	80	143TC
35	49.35	1724	2.22	1350	K043250._N_-__1.0B--	80	143TC
30	59.24	2069	1.85	1350	K043263._N_-__1.0B--	80	143TC
25	71.09	2483	1.54	1350	K043271._N_-__1.0B--	80	143TC
22	80.10	2798	1.37	1350	K043280._N_-__1.0B--	80	143TC
19	93.12	3253	1.12	1350	K0432100_N_-__1.0B--	80	143TC
17	105.7	3693	1.00	1350	K0432112_N_-__1.0B--	80	143TC
15	120.2	4199	0.91	1350	K0432125_N_-__1.0B--	80	143TC
13	134.38	4598	0.83	1350	K0452125_N_-__1.0B--	98	143TC
38	46.63	1629	3.52	1488	K053245._N_-__1.0B--	99	143TC
35	49.78	1739	3.33	1506	K053250._N_-__1.0B--	99	143TC
28	61.78	2158	2.68	1640	K053263._N_-__1.0B--	99	143TC
24	72.85	2545	2.28	1728	K053271._N_-__1.0B--	99	143TC
22	79.77	2787	2.08	1768	K053280._N_-__1.0B--	99	143TC
18	97.76	3415	1.70	1800	K0532100_N_-__1.0B--	99	143TC
16	109.0	3808	1.52	1800	K0532112_N_-__1.0B--	99	143TC
14	122.2	4269	1.26	1800	K0532125_N_-__1.0B--	99	143TC
15	118.4	4051	1.43	1800	K0552125_N_-__1.0B--	129	143TC
12	142.8	4885	1.19	1800	K0552140_N_-__1.0B--	129	143TC
11	157.3	5383	1.08	1800	K0552160_N_-__1.0B--	129	143TC
8.4	207.8	7110	0.81	1800	K0552200_N_-__1.0B--	129	143TC
29	60.6	2118	3.39	1800	K063263._N_-__1.0B--	116	143TC
24	71.5	2497	2.87	1800	K063271._N_-__1.0B--	116	143TC
22	78.3	2735	2.62	1800	K063280._N_-__1.0B--	116	143TC
18	95.9	3351	2.14	1800	K0632100_N_-__1.0B--	116	143TC
16	106.9	3734	1.83	1800	K0632112_N_-__1.0B--	116	143TC
15	119.9	4189	1.26	1800	K0632125_N_-__1.0B--	116	143TC
15	116.2	3975	1.80	1800	K0652125_N_-__1.0B--	147	143TC
12	140.1	4794	1.50	1800	K0652140_N_-__1.0B--	147	143TC
11	154.4	5283	1.36	1800	K0652160_N_-__1.0B--	147	143TC
8.6	203.9	6977	1.03	1800	K0652200_N_-__1.0B--	147	143TC
6.8	259.0	8862	0.81	1800	K0652250_N_-__1.0B--	147	143TC
15	113.5	3965	3.51	3370	K0732112_N_-__1.0B--	159	143TC
14	126.1	4405	2.77	3370	K0732125_N_-__1.0B--	159	143TC
15	120.3	4115	3.45	3370	K0752125_N_-__1.0B--	187	143TC
13	133.5	4567	3.11	3370	K0752140_N_-__1.0B--	187	143TC
12	147.1	5032	2.82	3370	K0752160_N_-__1.0B--	187	143TC
8.3	211.1	7223	1.97	3370	K0752200_N_-__1.0B--	187	143TC
7.5	233.4	7984	1.78	3370	K0752250_N_-__1.0B--	187	143TC
6.6	265.1	9070	1.57	3370	K0752280_N_-__1.0B--	187	143TC
5.7	304.6	10422	1.36	3370	K0752320_N_-__1.0B--	187	143TC
4.7	373.9	12791	1.11	3370	K0752360_N_-__1.0B--	187	143TC
4.2	414.6	14187	1.00	3370	K0752400_N_-__1.0B--	187	143TC
3.8	465.8	15936	0.89	3370	K0752450_N_-__1.0B--	187	143TC
3.4	512.9	17549	0.81	3370	K0752500_N_-__1.0B--	187	143TC
3.8	462.3	15816	1.52	3520	K0852450_N_-__1.0B--	336	143TC
3.5	505.9	17309	1.39	3520	K0852500_N_-__1.0B--	336	143TC
3.3	537.7	18395	1.30	3520	K0852560_N_-__1.0B--	336	143TC
2.7	641.2	21936	1.09	3520	K0852630_N_-__1.0B--	336	143TC
2.3	759.9	25997	0.92	3520	K0852700_N_-__1.0B--	336	143TC
2.2	811.3	27757	0.86	3520	K0852800_N_-__1.0B--	336	143TC

NOTE

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1.00 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
3.9	446.6	15279	2.49	7970	K0952450_N_-__1.0B--	464	143TC
3.5	505.5	17296	2.20	7970	K0952500_N_-__1.0B--	464	143TC
3.1	562.8	19254	1.97	7970	K0952560_N_-__1.0B--	464	143TC
2.8	625.2	21391	1.78	7970	K0952630_N_-__1.0B--	464	143TC
2.3	764.7	26162	1.45	7970	K0952700_N_-__1.0B--	464	143TC
2.2	813.6	27836	1.37	7970	K0952800_N_-__1.0B--	464	143TC
2.0	883.1	30215	1.26	7970	K0952900_N_-__1.0B--	464	143TC
1.7	1027.2	35143	1.08	7970	K095210C_N_-__1.0B--	464	143TC
1.5	1149.2	39319	0.97	7970	K095211C_N_-__1.0B--	464	143TC
1.4	1224.9	41907	0.91	7970	K095212C_N_-__1.0B--	464	143TC
3.8	466.1	15946	3.99	9690	K1052450_N_-__1.0B--	740	143TC
3.4	514.7	17611	3.61	9690	K1052500_N_-__1.0B--	740	143TC
3.1	566.2	19372	3.28	9690	K1052560_N_-__1.0B--	740	143TC
2.8	629.2	21526	2.95	9690	K1052630_N_-__1.0B--	740	143TC
2.4	723.0	24736	2.57	9690	K1052700_N_-__1.0B--	740	143TC
2.1	819.8	28050	2.27	9690	K1052800_N_-__1.0B--	740	143TC
2.0	897.2	30697	2.07	9690	K1052900_N_-__1.0B--	740	143TC
1.7	1031.0	35274	1.80	9690	K105210C_N_-__1.0B--	740	143TC
1.5	1169.1	39999	1.59	9690	K105211C_N_-__1.0B--	740	143TC
1.4	1223.9	41873	1.52	9690	K105212C_N_-__1.0B--	740	143TC
1.2	1476.8	50526	1.26	9690	K105214C_N_-__1.0B--	740	143TC
1.0	1669.7	57126	1.11	9690	K105216C_N_-__1.0B--	740	143TC
0.91	1913.5	65469	0.97	9690	K105218C_N_-__1.0B--	740	143TC
0.84	2095.5	71696	0.89	9690	K105220C_N_-__1.0B--	740	143TC
0.78	2230.5	76314	0.83	9690	K105222C_N_-__1.0B--	740	143TC
2.0	858.1	29358	3.71	13800	K1252800_N_-__1.0B--	1093	143TC
1.9	931.3	31862	3.42	13800	K1252900_N_-__1.0B--	1093	143TC
1.6	1070.1	36612	2.98	13800	K125210C_N_-__1.0B--	1093	143TC
1.4	1213.5	41517	2.63	13800	K125211C_N_-__1.0B--	1093	143TC
1.4	1248.3	42710	2.55	13800	K125212C_N_-__1.0B--	1093	143TC
1.1	1532.8	52442	2.08	13800	K125214C_N_-__1.0B--	1093	143TC
1.0	1733.0	59294	1.84	13800	K125216C_N_-__1.0B--	1093	143TC
0.90	1951.8	66778	1.63	13800	K125218C_N_-__1.0B--	1093	143TC
0.82	2137.4	73129	1.49	13800	K125220C_N_-__1.0B--	1093	143TC
0.78	2237.8	76564	1.42	13800	K125222C_N_-__1.0B--	1093	143TC
0.67	2624.5	89792	1.21	13800	K125225C_N_-__1.0B--	1093	143TC
0.60	2923.0	100006	1.09	13800	K125228C_N_-__1.0B--	1093	143TC
0.56	3117.8	106671	1.02	13800	K125232C_N_-__1.0B--	1093	143TC
0.50	3507.6	120007	0.91	13800	K125236C_N_-__1.0B--	1093	143TC
1.2	1417.9	48510	3.83	18000	K155214C_N_-__1.0B--	1737	143TC
1.1	1607.8	55009	3.38	18000	K155216C_N_-__1.0B--	1737	143TC
1.0	1773.4	60674	3.07	18000	K155218C_N_-__1.0B--	1737	143TC
0.86	2030.9	69485	2.68	18000	K155220C_N_-__1.1B--	1737	143TC
0.76	2296.2	78562	2.37	18000	K155222C_N_-__1.1B--	1737	143TC
0.71	2457.2	84070	2.21	18000	K155225C_N_-__1.1B--	1737	143TC
0.65	2685.5	91882	2.02	18000	K155228C_N_-__1.1B--	1737	143TC
0.55	3175.3	108640	1.71	18000	K155232C_N_-__1.1B--	1737	143TC
0.47	3713.7	127058	1.46	18000	K155236C_N_-__1.1B--	1737	143TC
0.43	4066.9	139143	1.34	18000	K155240C_N_-__1.1B--	1737	143TC
0.39	4431.2	151609	1.23	18000	K155245C_N_-__1.1B--	1737	143TC
0.36	4923.6	168454	1.10	18000	K155250C_N_-__1.1B--	1737	143TC
0.31	5614.9	192107	0.97	18000	K155256C_N_-__1.1B--	1737	143TC
0.28	6238.8	213452	0.87	18000	K155263C_N_-__1.1B--	1737	143TC

NOTE

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K

1.50 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
210	8.328	436	2.73	869	K03328.0_N_-__1.5B--	78	145TC
156	11.25	590	2.27	878	K033211._N_-__1.5B--	78	145TC
137	12.80	671	2.09	893	K033212._N_-__1.5B--	78	145TC
121	14.50	760	1.93	907	K033214._N_-__1.5B--	78	145TC
94	18.54	972	1.64	939	K033218._N_-__1.5B--	78	145TC
88	19.98	1047	1.56	947	K033220._N_-__1.5B--	78	145TC
69	25.23	1322	1.32	979	K033225._N_-__1.5B--	78	145TC
61	28.60	1499	1.20	997	K033228._N_-__1.5B--	78	145TC
54	32.68	1712	1.09	1017	K033232._N_-__1.5B--	78	145TC
48	36.35	1905	1.00	1031	K033236._N_-__1.5B--	78	145TC
44	40.08	2100	0.93	1048	K033240._N_-__1.5B--	78	145TC
40	44.11	2311	0.86	1061	K033245._N_-__1.5B--	78	145TC
141	12.45	652	3.95	1319	K043212._N_-__1.5B--	90	145TC
124	14.14	741	3.64	1340	K043214._N_-__1.5B--	90	145TC
97	17.95	941	3.12	1350	K043218._N_-__1.5B--	90	145TC
86	20.40	1069	2.83	1350	K043220._N_-__1.5B--	90	145TC
70	25.03	1312	2.46	1350	K043225._N_-__1.5B--	90	145TC
63	27.76	1455	2.28	1350	K043228._N_-__1.5B--	90	145TC
55	31.54	1653	2.08	1350	K043232._N_-__1.5B--	90	145TC
49	35.83	1878	1.94	1350	K043236._N_-__1.5B--	90	145TC
44	39.46	2068	1.76	1350	K043240._N_-__1.5B--	90	145TC
39	45.39	2378	1.58	1350	K043245._N_-__1.5B--	90	145TC
35	49.35	2586	1.48	1350	K043250._N_-__1.5B--	90	145TC
30	59.24	3104	1.23	1350	K043263._N_-__1.5B--	90	145TC
25	71.09	3725	1.03	1350	K043271._N_-__1.5B--	90	145TC
22	80.10	4197	0.91	1350	K043280._N_-__1.5B--	90	145TC
62	28.37	1487	3.42	1180	K053228._N_-__1.5B--	109	145TC
53	32.99	1729	3.06	1218	K053232._N_-__1.5B--	109	145TC
47	36.91	1934	2.87	1223	K053236._N_-__1.5B--	109	145TC
44	39.34	2061	2.68	1265	K053240._N_-__1.5B--	109	145TC
38	46.63	2443	2.35	1318	K053245._N_-__1.5B--	109	145TC
35	49.78	2609	2.22	1334	K053250._N_-__1.5B--	109	145TC
28	61.78	3237	1.79	1452	K053263._N_-__1.5B--	109	145TC
24	72.85	3817	1.52	1530	K053271._N_-__1.5B--	109	145TC
22	79.77	4180	1.39	1566	K053280._N_-__1.5B--	109	145TC
18	97.76	5123	1.13	1660	K0532100_N_-__1.5B--	109	145TC
16	109.00	5712	1.01	1697	K0532112_N_-__1.5B--	109	145TC
14	122.20	6403	0.84	1670	K0532125_N_-__1.5B--	109	145TC
15	118.40	6076	0.95	1774	K0552125_N_-__1.5B--	139	145TC
48	36.22	1898	3.78	1800	K063236._N_-__1.5B--	126	145TC
45	38.61	2023	3.54	1800	K063240._N_-__1.5B--	126	145TC
38	45.76	2398	2.99	1800	K063245._N_-__1.5B--	126	145TC
36	48.86	2560	2.80	1800	K063250._N_-__1.5B--	126	145TC
29	60.62	3177	2.26	1800	K063263._N_-__1.5B--	126	145TC
24	71.49	3746	1.91	1800	K063271._N_-__1.5B--	126	145TC
22	78.28	4102	1.75	1800	K063280._N_-__1.5B--	126	145TC
18	95.93	5027	1.43	1800	K0632100_N_-__1.5B--	126	145TC
16	106.90	5602	1.22	1800	K0632112_N_-__1.5B--	126	145TC
15	119.90	6283	0.84	1800	K0632125_N_-__1.5B--	126	145TC
15	116.19	5963	1.20	1800	K0652125_N_-__1.5B--	157	145TC
12	140.12	7191	1.00	1798	K0652140_N_-__1.5B--	157	145TC
11	154.41	7924	0.90	1747	K0652160_N_-__1.5B--	157	145TC
23	75.07	3934	3.61	3370	K073271._N_-__1.5B--	169	145TC
21	82.21	4308	3.30	3370	K073280._N_-__1.5B--	169	145TC
18	98.65	5169	2.75	3370	K0732100_N_-__1.5B--	169	145TC
15	113.5	5947	2.34	3370	K0732112_N_-__1.5B--	169	145TC
14	126.1	6608	1.85	3370	K0732125_N_-__1.5B--	169	145TC
15	120.3	6173	2.30	3370	K0752125_N_-__1.5B--	197	145TC
13	133.5	6850	2.07	3370	K0752140_N_-__1.5B--	197	145TC
12	147.1	7549	1.88	3370	K0752160_N_-__1.5B--	197	145TC
8.3	211.1	10835	1.31	3370	K0752200_N_-__1.5B--	197	145TC
7.5	233.4	11976	1.19	3370	K0752250_N_-__1.5B--	197	145TC
6.6	265.1	13605	1.04	3370	K0752280_N_-__1.5B--	197	145TC
5.7	304.6	15634	0.91	3370	K0752320_N_-__1.5B--	197	145TC
14	123.3	6461	3.71	3520	K0832125_N_-__1.5B--	297	145TC
3.8	462.3	23724	1.01	3520	K0852450_N_-__1.5B--	346	145TC
3.5	505.9	25963	0.92	3520	K0852500_N_-__1.5B--	346	145TC
3.3	537.7	27593	0.87	3520	K0852560_N_-__1.5B--	346	145TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

1.50 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
3.9	446.6	22919	1.66	7970	K0952450_N_-__1.5B--	474	145TC
3.5	505.5	25944	1.46	7970	K0952500_N_-__1.5B--	474	145TC
3.1	562.8	28881	1.32	7970	K0952560_N_-__1.5B--	474	145TC
2.8	625.2	32086	1.18	7970	K0952630_N_-__1.5B--	474	145TC
2.3	764.7	39244	0.97	7970	K0952700_N_-__1.5B--	474	145TC
2.2	813.6	41753	0.91	7970	K0952800_N_-__1.5B--	474	145TC
4.1	423.7	21744	2.92	9690	K1052400_N_-__1.5B--	750	145TC
3.8	466.1	23918	2.66	9690	K1052450_N_-__1.5B--	750	145TC
3.4	514.7	26416	2.41	9690	K1052500_N_-__1.5B--	750	145TC
3.1	566.2	29058	2.19	9690	K1052560_N_-__1.5B--	750	145TC
2.8	629.2	32290	1.97	9690	K1052630_N_-__1.5B--	750	145TC
2.4	723.0	37104	1.71	9690	K1052700_N_-__1.5B--	750	145TC
2.1	819.8	42074	1.51	9690	K1052800_N_-__1.5B--	750	145TC
2.0	897.2	46046	1.38	9690	K1052900_N_-__1.5B--	750	145TC
1.7	1031.0	52911	1.20	9690	K105210C_N_-__1.5B--	750	145TC
1.5	1169.1	59999	1.06	9690	K105211C_N_-__1.5B--	750	145TC
1.4	1223.9	62810	1.01	9690	K105212C_N_-__1.5B--	750	145TC
1.2	1476.8	75788	0.84	9690	K105214C_N_-__1.5B--	750	145TC
3.0	584.2	29982	3.64	13800	K1252560_N_-__1.5B--	1103	145TC
2.7	658.5	33796	3.23	13800	K1252630_N_-__1.5B--	1103	145TC
2.3	756.7	38835	2.81	13800	K1252700_N_-__1.5B--	1103	145TC
2.0	858.1	44037	2.48	13800	K1252800_N_-__1.5B--	1103	145TC
1.9	931.3	47793	2.28	13800	K1252900_N_-__1.5B--	1103	145TC
1.6	1070.1	54918	1.98	13800	K125210C_N_-__1.5B--	1103	145TC
1.4	1213.5	62275	1.75	13800	K125211C_N_-__1.5B--	1103	145TC
1.4	1248.3	64065	1.70	13800	K125212C_N_-__1.5B--	1103	145TC
1.1	1532.8	78663	1.39	13800	K125214C_N_-__1.5B--	1103	145TC
1.0	1733.0	88940	1.23	13800	K125216C_N_-__1.5B--	1103	145TC
0.9	1951.8	100167	1.09	13800	K125218C_N_-__1.5B--	1103	145TC
0.8	2137.4	109693	0.99	13800	K125220C_N_-__1.5B--	1103	145TC
0.8	2237.8	114846	0.95	13800	K125222C_N_-__1.5B--	1103	145TC
0.7	2624.5	134688	0.81	13800	K125225C_N_-__1.5B--	1103	145TC
1.9	909.2	46658	3.99	18000	K1552900_N_-__1.5B--	1747	145TC
1.7	1030.9	52909	3.52	18000	K155210C_N_-__1.5B--	1747	145TC
1.6	1090.6	55968	3.32	18000	K155211C_N_-__1.5B--	1747	145TC
1.4	1236.7	63465	2.93	18000	K155212C_N_-__1.5B--	1747	145TC
1.2	1417.9	72765	2.56	18000	K155214C_N_-__1.5B--	1747	145TC
1.1	1607.8	82513	2.25	18000	K155216C_N_-__1.5B--	1747	145TC
1.0	1773.4	91011	2.04	18000	K155218C_N_-__1.5B--	1747	145TC
0.9	2030.9	104227	1.78	18000	K155220C_N_-__1.5B--	1747	145TC
0.8	2296.2	117843	1.58	18000	K155222C_N_-__1.5B--	1747	145TC
0.7	2457.2	126104	1.47	18000	K155225C_N_-__1.5B--	1747	145TC
0.7	2685.5	137823	1.35	18000	K155228C_N_-__1.5B--	1747	145TC
0.6	3175.3	162959	1.14	18000	K155232C_N_-__1.5B--	1747	145TC
0.5	3713.7	190588	0.98	18000	K155236C_N_-__1.5B--	1747	145TC
0.4	4066.9	208714	0.89	18000	K155240C_N_-__1.5B--	1747	145TC
0.4	4431.2	227413	0.82	18000	K155245C_N_-__1.5B--	1747	145TC

2.00 HP

4 POLE 1750 rpm nominal input speed

210	8.328	582	2.05	797	K03328.0_N_-__2.0B--	78	145TC
156	11.25	786	1.70	805	K033211._N_-__2.0B--	78	145TC
137	12.80	894	1.57	819	K033212._N_-__2.0B--	78	145TC
121	14.50	1013	1.45	832	K033214._N_-__2.0B--	78	145TC
94	18.54	1295	1.23	861	K033218._N_-__2.0B--	78	145TC
88	19.98	1396	1.17	868	K033220._N_-__2.0B--	78	145TC
69	25.23	1763	0.99	898	K033225._N_-__2.0B--	78	145TC
61	28.60	1998	0.90	915	K033228._N_-__2.0B--	78	145TC
217	8.054	563	3.79	1209	K04328.0_N_-__2.0B--	90	145TC
155	11.30	790	3.15	1195	K043211._N_-__2.0B--	90	145TC
141	12.45	870	2.97	1210	K043212._N_-__2.0B--	90	145TC
124	14.14	988	2.73	1229	K043214._N_-__2.0B--	90	145TC
97	17.95	1254	2.34	1271	K043218._N_-__2.0B--	90	145TC
86	20.40	1425	2.13	1292	K043220._N_-__2.0B--	90	145TC
70	25.03	1749	1.85	1334	K043225._N_-__2.0B--	90	145TC
63	27.76	1940	1.71	1350	K043228._N_-__2.0B--	90	145TC
55	31.54	2204	1.56	1350	K043232._N_-__2.0B--	90	145TC
49	35.83	2503	1.46	1350	K043236._N_-__2.0B--	90	145TC
44	39.46	2757	1.32	1350	K043240._N_-__2.0B--	90	145TC
39	45.39	3171	1.19	1350	K043245._N_-__2.0B--	90	145TC
35	49.35	3448	1.11	1350	K043250._N_-__2.0B--	90	145TC
30	59.24	4139	0.92	1350	K043263._N_-__2.0B--	90	145TC
62	28.37	1982	2.57	1083	K053228._N_-__2.0B--	109	145TC
53	32.99	2305	2.30	1118	K053232._N_-__2.0B--	109	145TC
47	36.91	2579	2.16	1122	K053236._N_-__2.0B--	109	145TC
44	39.34	2749	2.01	1160	K053240._N_-__2.0B--	109	145TC
38	46.63	3258	1.76	1209	K053245._N_-__2.0B--	109	145TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

2.00 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
35	49.78	3478	1.66	1223	K053250._N_-__2.0B--	109	145TC
28	61.78	4316	1.34	1332	K053263._N_-__2.0B--	109	145TC
24	72.85	5090	1.14	1403	K053271._N_-__2.0B--	109	145TC
22	79.77	5573	1.04	1436	K053280._N_-__2.0B--	109	145TC
18	97.76	6830	0.85	1523	K0532100_N_-__2.0B--	109	145TC
63	27.84	1945	3.68	1800	K063228._N_-__2.0B--	126	145TC
54	32.38	2262	3.17	1800	K063232._N_-__2.0B--	126	145TC
48	36.22	2531	2.83	1800	K063236._N_-__2.0B--	126	145TC
45	38.61	2698	2.66	1800	K063240._N_-__2.0B--	126	145TC
38	45.76	3197	2.24	1800	K063245._N_-__2.0B--	126	145TC
36	48.86	3414	2.10	1800	K063250._N_-__2.0B--	126	145TC
29	60.62	4235	1.69	1800	K063263._N_-__2.0B--	126	145TC
24	71.49	4995	1.44	1800	K063271._N_-__2.0B--	126	145TC
22	78.28	5469	1.31	1800	K063280._N_-__2.0B--	126	145TC
18	95.93	6702	1.07	1800	K0632100_N_-__2.0B--	126	145TC
16	106.9	7469	0.92	1800	K0632112_N_-__2.0B--	126	145TC
15	116.2	7951	0.90	1800	K0652125_N_-__2.0B--	157	145TC
32	54.28	3792	3.74	3076	K073250._N_-__2.0B--	169	145TC
28	62.94	4397	3.23	3241	K073263._N_-__2.0B--	169	145TC
23	75.07	5245	2.71	3370	K073271._N_-__2.0B--	169	145TC
21	82.21	5744	2.47	3370	K073280._N_-__2.0B--	169	145TC
18	98.65	6892	2.06	3370	K0732100_N_-__2.0B--	169	145TC
15	113.5	7930	1.75	3370	K0732112_N_-__2.0B--	169	145TC
14	126.1	8810	1.38	3370	K0732125_N_-__2.0B--	169	145TC
15	120.3	8231	1.73	3370	K0752125_N_-__2.0B--	197	145TC
13	133.5	9134	1.55	3370	K0752140_N_-__2.0B--	197	145TC
12	147.1	10065	1.41	3370	K0752160_N_-__2.0B--	197	145TC
8.3	211.1	14446	0.98	3370	K0752200_N_-__2.0B--	197	145TC
7.5	233.4	15968	0.89	3370	K0752250_N_-__2.0B--	197	145TC
18	98.08	6853	3.50	3520	K0832100_N_-__2.0B--	297	145TC
16	107.1	7483	3.21	3520	K0832112_N_-__2.0B--	297	145TC
14	123.3	8615	2.79	3520	K0832125_N_-__2.0B--	297	145TC
3.9	446.6	30558	1.24	7970	K0952450_N_-__2.0B--	474	145TC
3.5	505.5	34592	1.10	7970	K0952500_N_-__2.0B--	474	145TC
3.1	562.8	38507	0.99	7938	K0952560_N_-__2.0B--	474	145TC
4.1	423.7	28992	2.19	9690	K1052400_N_-__2.0B--	750	145TC
3.8	466.1	31891	1.99	9690	K1052450_N_-__2.0B--	750	145TC
3.4	514.7	35221	1.81	9690	K1052500_N_-__2.0B--	750	145TC
3.1	566.2	38744	1.64	9690	K1052560_N_-__2.0B--	750	145TC
2.8	629.2	43053	1.48	9690	K1052630_N_-__2.0B--	750	145TC
2.4	723.0	49472	1.29	9690	K1052700_N_-__2.0B--	750	145TC
2.1	819.8	56099	1.13	9690	K1052800_N_-__2.0B--	750	145TC
2.0	897.2	61394	1.04	9690	K1052900_N_-__2.0B--	750	145TC
1.7	1031.0	70548	0.90	9690	K105210C_N_-__2.0B--	750	145TC
1.5	1169.1	79999	0.80	9690	K105211C_N_-__2.0B--	750	145TC
4.3	410.5	28089	3.88	13800	K1252400_N_-__2.0B--	1103	145TC
3.9	451.5	30898	3.53	13800	K1252450_N_-__2.0B--	1103	145TC
3.5	504.7	34533	3.16	13800	K1252500_N_-__2.0B--	1103	145TC
3.0	584.2	39977	2.73	13800	K1252560_N_-__2.0B--	1103	145TC
2.7	658.5	45062	2.42	13800	K1252630_N_-__2.0B--	1103	145TC
2.3	756.7	51780	2.11	13800	K1252700_N_-__2.0B--	1103	145TC
2.0	858.1	58717	1.86	13800	K1252800_N_-__2.0B--	1103	145TC
1.9	931.3	63723	1.71	13800	K1252900_N_-__2.0B--	1103	145TC
1.6	1070.1	73224	1.49	13800	K125210C_N_-__2.0B--	1103	145TC
1.4	1213.5	83034	1.31	13800	K125211C_N_-__2.0B--	1103	145TC
1.4	1248.3	85420	1.28	13800	K125212C_N_-__2.0B--	1103	145TC
1.1	1532.8	104885	1.04	13800	K125214C_N_-__2.0B--	1103	145TC
1.0	1733.0	118587	0.92	13800	K125216C_N_-__2.0B--	1103	145TC
0.90	1951.8	133555	0.82	13800	K125218C_N_-__2.0B--	1103	145TC
2.5	706.5	48346	3.85	18000	K1552700_N_-__2.0B--	1747	145TC
2.2	801.2	54823	3.39	18000	K1552800_N_-__2.0B--	1747	145TC
1.9	909.2	62211	2.99	18000	K1552900_N_-__2.0B--	1747	145TC
1.7	1030.9	70545	2.64	18000	K155210C_N_-__2.0B--	1747	145TC
1.6	1090.6	74624	2.49	18000	K155211C_N_-__2.0B--	1747	145TC
1.4	1236.7	84621	2.20	18000	K155212C_N_-__2.0B--	1747	145TC
1.2	1417.9	97020	1.92	18000	K155214C_N_-__2.0B--	1747	145TC
1.1	1607.8	110017	1.69	18000	K155216C_N_-__2.0B--	1747	145TC
1.0	1773.4	121348	1.53	18000	K155218C_N_-__2.0B--	1747	145TC
0.9	2030.9	138969	1.34	18000	K155220C_N_-__2.0B--	1747	145TC
0.8	2296.2	157125	1.18	18000	K155222C_N_-__2.0B--	1747	145TC
0.7	2457.2	168139	1.11	18000	K155225C_N_-__2.0B--	1747	145TC
0.7	2685.5	183763	1.01	18000	K155228C_N_-__2.0B--	1747	145TC
0.6	3175.3	217279	0.86	18000	K155232C_N_-__2.0B--	1747	145TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

3.00 HP

4 POLE 1750 rpm
nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
210	8.328	873	1.36	706	K03328.0_N_-__3.0B--	96	182TC
156	11.25	1179	1.14	713	K033211._N_-__3.0B--	96	182TC
137	12.80	1341	1.04	725	K033212._N_-__3.0B--	96	182TC
121	14.50	1520	0.97	737	K033214._N_-__3.0B--	96	182TC
217	8.054	844	2.52	1071	K04328.0_N_-__3.0B--	107	182TC
155	11.30	1184	2.10	1059	K043211._N_-__3.0B--	107	182TC
141	12.45	1305	1.98	1071	K043212._N_-__3.0B--	107	182TC
124	14.14	1482	1.82	1088	K043214._N_-__3.0B--	107	182TC
97	17.95	1881	1.56	1125	K043218._N_-__3.0B--	107	182TC
86	20.40	2138	1.42	1144	K043220._N_-__3.0B--	107	182TC
70	25.03	2623	1.23	1182	K043225._N_-__3.0B--	107	182TC
63	27.76	2909	1.14	1196	K043228._N_-__3.0B--	107	182TC
55	31.54	3305	1.04	1224	K043232._N_-__3.0B--	107	182TC
216	8.112	850	3.93	876	K05328.0_N_-__3.0B--	139	182TC
154	11.40	1195	3.29	813	K053211._N_-__3.0B--	139	182TC
137	12.78	1339	3.05	822	K053212._N_-__3.0B--	139	182TC
122	14.35	1504	2.83	834	K053214._N_-__3.0B--	139	182TC
96	18.22	1909	2.40	868	K053218._N_-__3.0B--	139	182TC
85	20.66	2165	2.18	894	K053220._N_-__3.0B--	139	182TC
71	24.64	2582	1.90	931	K053225._N_-__3.0B--	139	182TC
62	28.37	2973	1.71	959	K053228._N_-__3.0B--	139	182TC
53	32.99	3457	1.53	990	K053232._N_-__3.0B--	139	182TC
47	36.91	3868	1.44	993	K053236._N_-__3.0B--	139	182TC
44	39.34	4123	1.34	1027	K053240._N_-__3.0B--	139	182TC
38	46.63	4887	1.17	1070	K053245._N_-__3.0B--	139	182TC
35	49.78	5217	1.11	1083	K053250._N_-__3.0B--	139	182TC
28	61.78	6475	0.89	1180	K053263._N_-__3.0B--	139	182TC
98	17.88	1874	3.52	1459	K063218._N_-__3.0B--	157	182TC
86	20.27	2124	3.21	1503	K063220._N_-__3.0B--	157	182TC
72	24.18	2534	2.81	1554	K063225._N_-__3.0B--	157	182TC
63	27.84	2918	2.45	1623	K063228._N_-__3.0B--	157	182TC
54	32.38	3393	2.11	1715	K063232._N_-__3.0B--	157	182TC
48	36.22	3796	1.89	1779	K063236._N_-__3.0B--	157	182TC
45	38.61	4046	1.77	1800	K063240._N_-__3.0B--	157	182TC
38	45.76	4796	1.50	1800	K063245._N_-__3.0B--	157	182TC
36	48.86	5121	1.40	1800	K063250._N_-__3.0B--	157	182TC
29	60.62	6353	1.13	1800	K063263._N_-__3.0B--	157	182TC
24	71.49	7492	0.96	1800	K063271._N_-__3.0B--	157	182TC
22	78.28	8204	0.87	1800	K063280._N_-__3.0B--	157	182TC
52	33.52	3513	3.93	2291	K073232._N_-__3.0B--	197	182TC
46	38.01	3984	3.56	2357	K073236._N_-__3.0B--	197	182TC
42	41.92	4393	3.23	2460	K073240._N_-__3.0B--	197	182TC
36	48.01	5032	2.82	2607	K073245._N_-__3.0B--	197	182TC
32	54.28	5689	2.50	2724	K073250._N_-__3.0B--	197	182TC
28	62.94	6596	2.15	2870	K073263._N_-__3.0B--	197	182TC
23	75.07	7867	1.80	3032	K073271._N_-__3.0B--	197	182TC
21	82.21	8616	1.65	3113	K073280._N_-__3.0B--	197	182TC
18	98.65	10339	1.37	3278	K0732100_N_-__3.0B--	197	182TC
15	113.5	11895	1.17	3370	K0732112_N_-__3.0B--	197	182TC
14	126.1	13215	0.92	3370	K0732125_N_-__3.0B--	197	182TC
15	120.3	12346	1.15	3370	K0752125_N_-__3.0B--	215	182TC
13	133.5	13700	1.04	3370	K0752140_N_-__3.0B--	215	182TC
12	147.1	15097	0.94	3370	K0752160_N_-__3.0B--	215	182TC
28	62.47	6547	3.67	3130	K083263._N_-__3.0B--	319	182TC
24	72.86	7636	3.14	3356	K083271._N_-__3.0B--	319	182TC
22	80.03	8387	2.86	3496	K083280._N_-__3.0B--	319	182TC
18	98.08	10279	2.33	3520	K0832100_N_-__3.0B--	319	182TC
16	107.1	11224	2.14	3520	K0832112_N_-__3.0B--	319	182TC
14	123.3	12922	1.86	3520	K0832125_N_-__3.0B--	319	182TC
13	132.2	13569	1.77	3520	K0852125_N_-__3.0B--	376	182TC
12	144.7	14849	1.62	3520	K0852140_N_-__3.0B--	376	182TC
11	163.7	16799	1.43	3520	K0852160_N_-__3.0B--	376	182TC
8.6	203.4	20877	1.15	3520	K0852200_N_-__3.0B--	376	182TC
6.8	255.9	26265	0.91	3520	K0852250_N_-__3.0B--	376	182TC
19	94.53	9907	3.84	7970	K0932100_N_-__3.0B--	442	182TC
16	107.0	11214	3.39	7970	K0932112_N_-__3.0B--	442	182TC
15	120.3	12608	3.01	7970	K0932125_N_-__3.0B--	442	182TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

3.00 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
14	127.7	13108	2.90	7970	K0952125_N_-__3.0B--	504	182TC
12	144.6	14838	2.56	7970	K0952140_N_-__3.0B--	504	182TC
11	160.9	16518	2.30	7970	K0952160_N_-__3.0B--	504	182TC
8.6	203.3	20862	1.82	7970	K0952200_N_-__3.0B--	504	182TC
6.9	253.6	26029	1.46	7970	K0952250_N_-__3.0B--	504	182TC
6.1	284.7	29217	1.30	7970	K0952280_N_-__3.0B--	504	182TC
5.5	316.3	32460	1.17	7970	K0952320_N_-__3.0B--	504	182TC
4.8	361.5	37104	1.02	7970	K0952360_N_-__3.0B--	504	182TC
4.4	401.6	41223	0.92	7970	K0952400_N_-__3.0B--	504	182TC
10	166.8	17125	3.71	9690	K1052160_N_-__3.0B--	780	182TC
8.3	211.4	21695	2.93	9690	K1052200_N_-__3.0B--	780	182TC
6.7	259.6	26646	2.39	9690	K1052250_N_-__3.0B--	780	182TC
6.1	285.4	29298	2.17	9690	K1052280_N_-__3.0B--	780	182TC
5.5	317.2	32557	1.95	9690	K1052320_N_-__3.0B--	780	182TC
4.7	372.8	38268	1.66	9690	K1052360_N_-__3.0B--	780	182TC
4.1	423.7	43488	1.46	9690	K1052400_N_-__3.0B--	780	182TC
3.8	466.1	47837	1.33	9690	K1052450_N_-__3.0B--	780	182TC
3.4	514.7	52832	1.20	9690	K1052500_N_-__3.0B--	780	182TC
3.1	566.2	58115	1.09	9690	K1052560_N_-__3.0B--	780	182TC
2.8	629.2	64579	0.98	9690	K1052630_N_-__3.0B--	780	182TC
2.4	723.0	74208	0.86	9690	K1052700_N_-__3.0B--	780	182TC
5.9	294.5	30230	3.61	13800	K1252280_N_-__3.0B--	1132	182TC
5.3	332.0	34076	3.20	13800	K1252320_N_-__3.0B--	1132	182TC
4.6	377.8	38780	2.81	13800	K1252360_N_-__3.0B--	1132	182TC
4.3	410.5	42133	2.59	13800	K1252400_N_-__3.0B--	1132	182TC
3.9	451.5	46346	2.35	13800	K1252450_N_-__3.0B--	1132	182TC
3.5	504.7	51799	2.10	13800	K1252500_N_-__3.0B--	1132	182TC
3.0	584.2	59965	1.82	13800	K1252560_N_-__3.0B--	1132	182TC
2.7	658.5	67592	1.61	13800	K1252630_N_-__3.0B--	1132	182TC
2.3	756.7	77670	1.40	13800	K1252700_N_-__3.0B--	1132	182TC
2.0	858.1	88075	1.24	13800	K1252800_N_-__3.0B--	1132	182TC
1.9	931.3	95585	1.14	13800	K1252900_N_-__3.0B--	1132	182TC
1.6	1070.1	109836	0.99	13800	K125210C_N_-__3.0B--	1132	182TC
1.4	1213.5	124550	0.88	13800	K125211C_N_-__3.0B--	1132	182TC
1.4	1248.3	128131	0.85	13800	K125212C_N_-__3.0B--	1132	182TC
3.8	460.3	47248	3.94	18000	K1552450_N_-__3.0B--	1776	182TC
3.4	520.0	53376	3.48	18000	K1552500_N_-__3.0B--	1776	182TC
3.1	559.0	57373	3.24	18000	K1552560_N_-__3.0B--	1776	182TC
2.8	614.9	63110	2.95	18000	K1552630_N_-__3.0B--	1776	182TC
2.5	706.5	72519	2.56	18000	K1552700_N_-__3.0B--	1776	182TC
2.2	801.2	82234	2.26	18000	K1552800_N_-__3.0B--	1776	182TC
1.9	909.2	93316	1.99	18000	K1552900_N_-__3.0B--	1776	182TC
1.7	1030.9	105817	1.76	18000	K155210C_N_-__3.0B--	1776	182TC
1.6	1090.6	111935	1.66	18000	K155211C_N_-__3.0B--	1776	182TC
1.4	1236.7	126931	1.47	18000	K155212C_N_-__3.0B--	1776	182TC
1.2	1417.9	145530	1.28	18000	K155214C_N_-__3.0B--	1776	182TC
1.1	1607.8	165026	1.13	18000	K155216C_N_-__3.0B--	1776	182TC
1.0	1773.4	182022	1.02	18000	K155218C_N_-__3.0B--	1776	182TC
0.86	2030.9	208454	0.89	18000	K155220C_N_-__3.0B--	1776	182TC
2.2	783.2	80388	3.63	18000	K1652800_N_-__3.0B--	3239	182TC
1.9	913.6	93777	3.11	18000	K1652900_N_-__3.0B--	3239	182TC
1.7	1033.5	106084	2.75	18000	K165210C_N_-__3.0B--	3239	182TC
1.6	1096.0	112494	2.60	18000	K165211C_N_-__3.0B--	3239	182TC
1.4	1220.5	125272	2.33	18000	K165212C_N_-__3.0B--	3239	182TC
1.3	1381.6	141810	2.06	18000	K165214C_N_-__3.0B--	3239	182TC
1.1	1563.4	160464	1.82	18000	K165216C_N_-__3.0B--	3239	182TC
1.0	1802.7	185035	1.58	18000	K165218C_N_-__3.0B--	3239	182TC
0.88	1993.3	204591	1.43	18000	K165220C_N_-__3.0B--	3239	182TC
0.84	2082.0	213700	1.37	18000	K165222C_N_-__3.0B--	3239	182TC
0.72	2422.7	248664	1.17	18000	K165225C_N_-__3.0B--	3239	182TC
0.63	2793.6	286741	1.02	18000	K165228C_N_-__3.0B--	3239	182TC
0.55	3161.9	324545	0.90	18000	K165232C_N_-__3.0B--	3239	182TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

5.00 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
210	8.328	1455	0.82	605	K03328.0_N_-__5.0B--	118	184TC
217	8.054	1407	1.51	918	K04328.0_N_-__5.0B--	129	184TC
155	11.30	1974	1.26	908	K043211._N_-__5.0B--	129	184TC
141	12.45	2175	1.19	919	K043212._N_-__5.0B--	129	184TC
124	14.14	2470	1.09	934	K043214._N_-__5.0B--	129	184TC
97	17.95	3135	0.93	965	K043218._N_-__5.0B--	129	184TC
86	20.40	3563	0.85	981	K043220._N_-__5.0B--	129	184TC
216	8.112	1417	2.36	751	K05328.0_N_-__5.0B--	161	184TC
154	11.40	1991	1.97	698	K053211._N_-__5.0B--	161	184TC
137	12.78	2232	1.83	705	K053212._N_-__5.0B--	161	184TC
122	14.35	2507	1.70	716	K053214._N_-__5.0B--	161	184TC
96	18.22	3182	1.44	745	K053218._N_-__5.0B--	161	184TC
85	20.66	3609	1.31	767	K053220._N_-__5.0B--	161	184TC
71	24.64	4304	1.14	799	K053225._N_-__5.0B--	161	184TC
62	28.37	4955	1.03	823	K053228._N_-__5.0B--	161	184TC
53	32.99	5762	0.92	849	K053232._N_-__5.0B--	161	184TC
47	36.91	6447	0.86	852	K053236._N_-__5.0B--	161	184TC
220	7.961	1391	3.41	1290	K06328.0_N_-__5.0B--	179	184TC
156	11.19	1955	2.88	1194	K063211._N_-__5.0B--	179	184TC
140	12.54	2190	2.68	1195	K063212._N_-__5.0B--	179	184TC
124	14.08	2459	2.48	1211	K063214._N_-__5.0B--	179	184TC
98	17.88	3123	2.11	1252	K063218._N_-__5.0B--	179	184TC
86	20.27	3541	1.92	1290	K063220._N_-__5.0B--	179	184TC
72	24.18	4224	1.69	1333	K063225._N_-__5.0B--	179	184TC
63	27.84	4863	1.47	1393	K063228._N_-__5.0B--	179	184TC
54	32.38	5656	1.27	1471	K063232._N_-__5.0B--	179	184TC
48	36.22	6327	1.13	1526	K063236._N_-__5.0B--	179	184TC
45	38.61	6744	1.06	1558	K063240._N_-__5.0B--	179	184TC
38	45.76	7993	0.90	1626	K063245._N_-__5.0B--	179	184TC
36	48.86	8534	0.84	1661	K063250._N_-__5.0B--	179	184TC
66	26.52	4632	2.81	1867	K073225._N_-__5.0B--	219	184TC
60	29.17	5095	2.61	1907	K073228._N_-__5.0B--	219	184TC
52	33.52	5855	2.36	1966	K073232._N_-__5.0B--	219	184TC
46	38.01	6639	2.14	2022	K073236._N_-__5.0B--	219	184TC
42	41.92	7322	1.94	2110	K073240._N_-__5.0B--	219	184TC
36	48.01	8386	1.69	2237	K073245._N_-__5.0B--	219	184TC
32	54.28	9481	1.50	2337	K073250._N_-__5.0B--	219	184TC
28	62.94	10994	1.29	2462	K073263._N_-__5.0B--	219	184TC
23	75.07	13112	1.08	2601	K073271._N_-__5.0B--	219	184TC
21	82.21	14360	0.99	2671	K073280._N_-__5.0B--	219	184TC
18	98.65	17231	0.82	2812	K0732100_N_-__5.0B--	219	184TC
53	33.24	5806	3.86	2024	K083232._N_-__5.0B--	341	184TC
47	36.88	6442	3.54	2104	K083236._N_-__5.0B--	341	184TC
43	40.36	7050	3.32	2150	K083240._N_-__5.0B--	341	184TC
38	45.66	7975	3.01	2255	K083245._N_-__5.0B--	341	184TC
34	51.54	9002	2.67	2429	K083250._N_-__5.0B--	341	184TC
28	62.47	10912	2.20	2686	K083263._N_-__5.0B--	341	184TC
24	72.86	12726	1.89	2879	K083271._N_-__5.0B--	341	184TC
22	80.03	13979	1.72	2999	K083280._N_-__5.0B--	341	184TC
18	98.08	17132	1.40	3242	K0832100_N_-__5.0B--	341	184TC
16	107.10	18707	1.28	3351	K0832112_N_-__5.0B--	341	184TC
14	123.30	21537	1.11	3502	K0832125_N_-__5.0B--	341	184TC
13	132.19	22614	1.06	3520	K0852125_N_-__5.0B--	398	184TC
12	144.67	24748	0.97	3520	K0852140_N_-__5.0B--	398	184TC
11	163.67	27999	0.86	3520	K0852160_N_-__5.0B--	398	184TC
29	61.00	10655	3.57	7970	K093263._N_-__5.0B--	464	184TC
25	70.45	12305	3.09	7970	K093271._N_-__5.0B--	464	184TC
22	77.78	13586	2.80	7970	K093280._N_-__5.0B--	464	184TC
19	94.53	16511	2.30	7970	K0932100_N_-__5.0B--	464	184TC
16	107.00	18690	2.03	7970	K0932112_N_-__5.0B--	464	184TC
15	120.30	21013	1.81	7970	K0932125_N_-__5.0B--	464	184TC
14	127.71	21846	1.74	7970	K0952125_N_-__5.0B--	526	184TC
12	144.56	24730	1.54	7970	K0952140_N_-__5.0B--	526	184TC
11	160.93	27529	1.38	7970	K0952160_N_-__5.0B--	526	184TC
8.6	203.25	34770	1.09	7970	K0952200_N_-__5.0B--	526	184TC
18	96.11	16787	3.79	9690	K1032100_N_-__5.0B--	740	184TC
16	112.00	19563	3.25	9690	K1032112_N_-__5.0B--	740	184TC
15	120.40	21030	3.02	9690	K1032125_N_-__5.0B--	740	184TC

NOTE

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K

5.00 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
13	137.33	23493	2.71	9690	K1052140_N_-__5.0B--	802	184TC
10	166.84	28542	2.23	9690	K1052160_N_-__5.0B--	802	184TC
8.3	211.36	36158	1.76	9690	K1052200_N_-__5.0B--	802	184TC
6.7	259.60	44410	1.43	9690	K1052250_N_-__5.0B--	802	184TC
6.1	285.44	48830	1.30	9690	K1052280_N_-__5.0B--	802	184TC
5.5	317.19	54261	1.17	9690	K1052320_N_-__5.0B--	802	184TC
4.7	372.83	63779	1.00	9690	K1052360_N_-__5.0B--	802	184TC
4.1	423.69	72480	0.88	9690	K1052400_N_-__5.0B--	802	184TC
10	172.15	29450	3.70	13800	K1252160_N_-__5.0B--	1154	184TC
8.5	205.98	35237	3.09	13800	K1252200_N_-__5.0B--	1154	184TC
6.9	254.42	43522	2.50	13800	K1252250_N_-__5.0B--	1154	184TC
5.9	294.52	50384	2.16	13800	K1252280_N_-__5.0B--	1154	184TC
5.3	331.99	56793	1.92	13800	K1252320_N_-__5.0B--	1154	184TC
4.6	377.82	64633	1.69	13800	K1252360_N_-__5.0B--	1154	184TC
4.3	410.49	70222	1.55	13800	K1252400_N_-__5.0B--	1154	184TC
3.9	451.54	77244	1.41	13800	K1252450_N_-__5.0B--	1154	184TC
3.5	504.66	86331	1.26	13800	K1252500_N_-__5.0B--	1154	184TC
3.0	584.22	99941	1.09	13800	K1252560_N_-__5.0B--	1154	184TC
2.7	658.53	112654	0.97	13800	K1252630_N_-__5.0B--	1154	184TC
2.3	756.72	129450	0.84	13800	K1252700_N_-__5.0B--	1154	184TC
6.2	281.91	48226	3.86	18000	K1552280_N_-__5.0B--	1798	184TC
5.4	322.94	55244	3.37	18000	K1552320_N_-__5.0B--	1798	184TC
4.8	362.76	62057	3.00	18000	K1552360_N_-__5.0B--	1798	184TC
4.4	398.87	68233	2.73	18000	K1552400_N_-__5.0B--	1798	184TC
3.8	460.32	78747	2.36	18000	K1552450_N_-__5.0B--	1798	184TC
3.4	520.03	88961	2.09	18000	K1552500_N_-__5.0B--	1798	184TC
3.1	558.96	95621	1.95	18000	K1552560_N_-__5.0B--	1798	184TC
2.8	614.86	105183	1.77	18000	K1552630_N_-__5.0B--	1798	184TC
2.5	706.53	120865	1.54	18000	K1552700_N_-__5.0B--	1798	184TC
2.2	801.18	137057	1.36	18000	K1552800_N_-__5.0B--	1798	184TC
1.9	909.15	155527	1.20	18000	K1552900_N_-__5.0B--	1798	184TC
1.7	1030.9	176362	1.05	18000	K155210C_N_-__5.0B--	1798	184TC
1.6	1090.6	186559	1.00	17984	K155211C_N_-__5.0B--	1798	184TC
1.4	1236.7	211551	0.88	18000	K155212C_N_-__5.0B--	1798	184TC
2.8	627.10	107277	2.72	18000	K1652630_N_-__5.0B--	3261	184TC
2.5	709.89	121439	2.40	18000	K1652700_N_-__5.0B--	3261	184TC
2.2	783.20	133980	2.18	18000	K1652800_N_-__5.0B--	3261	184TC
1.9	913.65	156296	1.87	18000	K1652900_N_-__5.0B--	3261	184TC
1.7	1033.5	176807	1.65	18000	K165210C_N_-__5.0B--	3261	184TC
1.6	1096.0	187490	1.56	18000	K165211C_N_-__5.0B--	3261	184TC
1.4	1220.5	208787	1.40	18000	K165212C_N_-__5.0B--	3261	184TC
1.3	1381.6	236350	1.24	18000	K165214C_N_-__5.0B--	3261	184TC
1.1	1563.4	267439	1.09	18000	K165216C_N_-__5.0B--	3261	184TC
1.0	1802.7	308391	0.95	18000	K165218C_N_-__5.0B--	3261	184TC
0.88	1993.3	340985	0.86	18000	K165220C_N_-__5.0B--	3261	184TC
0.84	2082.0	356167	0.82	18000	K165222C_N_-__5.0B--	3261	184TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

7.50 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
216	8.112	2125	1.57	665	K05328.0_N_-__7.5B--	199	213TC
154	11.40	2987	1.32	618	K053211._N_-__7.5B--	199	213TC
137	12.78	3348	1.22	624	K053212._N_-__7.5B--	199	213TC
122	14.35	3760	1.13	634	K053214._N_-__7.5B--	199	213TC
96	18.22	4774	0.96	660	K053218._N_-__7.5B--	199	213TC
85	20.66	5413	0.87	679	K053220._N_-__7.5B--	199	213TC
220	7.961	2086	2.27	1142	K06328.0_N_-__7.5B--	217	213TC
156	11.19	2932	1.92	1058	K063211._N_-__7.5B--	217	213TC
140	12.54	3286	1.79	1058	K063212._N_-__7.5B--	217	213TC
124	14.08	3689	1.66	1073	K063214._N_-__7.5B--	217	213TC
98	17.88	4685	1.41	1108	K063218._N_-__7.5B--	217	213TC
86	20.27	5311	1.28	1142	K063220._N_-__7.5B--	217	213TC
72	24.18	6335	1.12	1181	K063225._N_-__7.5B--	217	213TC
204	8.595	2252	2.78	1958	K07328.0_N_-__7.5B--	257	213TC
147	11.91	3120	2.79	1701	K073211._N_-__7.5B--	257	213TC
131	13.37	3503	2.79	1593	K073212._N_-__7.5B--	257	213TC
119	14.71	3854	2.80	1512	K073214._N_-__7.5B--	257	213TC
91	19.21	5033	2.38	1531	K073218._N_-__7.5B--	257	213TC
80	21.84	5722	2.17	1576	K073220._N_-__7.5B--	257	213TC
66	26.52	6948	1.87	1653	K073225._N_-__7.5B--	257	213TC
60	29.17	7643	1.74	1689	K073228._N_-__7.5B--	257	213TC
52	33.52	8782	1.57	1741	K073232._N_-__7.5B--	257	213TC
46	38.01	9959	1.43	1791	K073236._N_-__7.5B--	257	213TC
42	41.92	10983	1.29	1869	K073240._N_-__7.5B--	257	213TC
36	48.01	12579	1.13	1981	K073245._N_-__7.5B--	257	213TC
32	54.28	14222	1.00	2069	K073250._N_-__7.5B--	257	213TC
28	62.94	16491	0.86	2180	K073263._N_-__7.5B--	257	213TC
85	20.67	5416	3.77	1478	K083220._N_-__7.5B--	379	213TC
69	25.35	6642	3.21	1617	K083225._N_-__7.5B--	379	213TC
61	28.56	7483	2.90	1693	K083228._N_-__7.5B--	379	213TC
53	33.24	8709	2.57	1792	K083232._N_-__7.5B--	379	213TC
47	36.88	9663	2.36	1863	K083236._N_-__7.5B--	379	213TC
43	40.36	10574	2.21	1904	K083240._N_-__7.5B--	379	213TC
38	45.66	11963	2.01	1996	K083245._N_-__7.5B--	379	213TC
34	51.54	13504	1.78	2151	K083250._N_-__7.5B--	379	213TC
28	62.47	16367	1.47	2378	K083263._N_-__7.5B--	379	213TC
24	72.86	19090	1.26	2549	K083271._N_-__7.5B--	379	213TC
22	80.03	20968	1.14	2655	K083280._N_-__7.5B--	379	213TC
18	98.08	25697	0.93	2871	K0832100_N_-__7.5B--	379	213TC
16	107.10	28061	0.86	2968	K0832112_N_-__7.5B--	379	213TC
49	35.62	9333	3.83	7970	K093236._N_-__7.5B--	502	213TC
43	40.33	10567	3.46	7970	K093240._N_-__7.5B--	502	213TC
39	44.89	11761	3.19	7970	K093245._N_-__7.5B--	502	213TC
35	49.87	13066	2.91	7970	K093250._N_-__7.5B--	502	213TC
29	61.00	15982	2.38	7970	K093263._N_-__7.5B--	502	213TC
25	70.45	18458	2.06	7970	K093271._N_-__7.5B--	502	213TC
22	77.78	20379	1.86	7970	K093280._N_-__7.5B--	502	213TC
19	94.53	24767	1.53	7970	K0932100_N_-__7.5B--	502	213TC
16	107.00	28034	1.36	7970	K0932112_N_-__7.5B--	502	213TC
15	120.30	31519	1.21	7970	K0932125_N_-__7.5B--	502	213TC
14	127.71	32770	1.16	7970	K0952125_N_-__7.5B--	564	213TC
12	144.56	37096	1.02	7970	K0952140_N_-__7.5B--	564	213TC
11	160.93	41294	0.92	7970	K0952160_N_-__7.5B--	564	213TC
24	71.89	18835	3.38	9690	K103271._N_-__7.5B--	779	213TC
21	82.83	21702	2.93	9690	K103280._N_-__7.5B--	779	213TC
18	96.11	25181	2.53	9690	K1032100_N_-__7.5B--	779	213TC
16	112.00	29344	2.17	9690	K1032112_N_-__7.5B--	779	213TC
15	120.40	31545	2.02	9690	K1032125_N_-__7.5B--	779	213TC
13	137.33	35240	1.80	9690	K1052140_N_-__7.5B--	840	213TC
10	166.84	42812	1.49	9690	K1052160_N_-__7.5B--	840	213TC
8.3	211.36	54236	1.17	9690	K1052200_N_-__7.5B--	840	213TC
6.7	259.60	66615	0.95	9690	K1052250_N_-__7.5B--	840	213TC
6.1	285.44	73245	0.87	9690	K1052280_N_-__7.5B--	840	213TC
15	113.80	29816	3.66	13800	K1232112_N_-__7.5B--	1099	213TC
14	121.10	31729	3.44	13800	K1232125_N_-__7.5B--	1099	213TC
13	133.06	34142	3.19	13800	K1252125_N_-__7.5B--	1192	213TC
12	148.71	38159	2.86	13800	K1252140_N_-__7.5B--	1192	213TC
10	172.15	44175	2.47	13800	K1252160_N_-__7.5B--	1192	213TC
8.5	205.98	52856	2.06	13800	K1252200_N_-__7.5B--	1192	213TC
6.9	254.42	65284	1.67	13800	K1252250_N_-__7.5B--	1192	213TC
5.9	294.52	75575	1.44	13800	K1252280_N_-__7.5B--	1192	213TC
5.3	331.99	85189	1.28	13800	K1252320_N_-__7.5B--	1192	213TC
4.6	377.82	96950	1.12	13800	K1252360_N_-__7.5B--	1192	213TC
4.3	410.49	105332	1.03	13800	K1252400_N_-__7.5B--	1192	213TC
3.9	451.54	115866	0.94	13800	K1252450_N_-__7.5B--	1192	213TC
3.5	504.66	129497	0.84	13800	K1252500_N_-__7.5B--	1192	213TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

7.50 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
9.7	181.18	46492	4.00	18000	K1552200_N_-__7.5B--	1836	213TC
7.0	250.96	64398	2.89	18000	K1552250_N_-__7.5B--	1836	213TC
6.2	281.91	72339	2.57	18000	K1552280_N_-__7.5B--	1836	213TC
5.4	322.94	82866	2.24	18000	K1552320_N_-__7.5B--	1836	213TC
4.8	362.76	93085	2.00	18000	K1552360_N_-__7.5B--	1836	213TC
4.4	398.87	102350	1.82	18000	K1552400_N_-__7.5B--	1836	213TC
3.8	460.32	118120	1.57	18000	K1552450_N_-__7.5B--	1836	213TC
3.4	520.03	133441	1.39	18000	K1552500_N_-__7.5B--	1836	213TC
3.1	558.96	143431	1.30	18000	K1552560_N_-__7.5B--	1836	213TC
2.8	614.86	157775	1.18	18000	K1552630_N_-__7.5B--	1836	213TC
2.5	706.53	181297	1.03	18000	K1552700_N_-__7.5B--	1836	213TC
2.2	801.18	205585	0.90	18000	K1552800_N_-__7.5B--	1836	213TC
2.8	627.10	160915	1.81	18000	K1652630_N_-__7.5B--	3299	213TC
2.5	709.89	182158	1.60	18000	K1652700_N_-__7.5B--	3299	213TC
2.2	783.20	200970	1.45	18000	K1652800_N_-__7.5B--	3299	213TC
1.9	913.65	234444	1.25	18000	K1652900_N_-__7.5B--	3299	213TC
1.7	1033.5	265211	1.10	18000	K165211C_N_-__7.5B--	3299	213TC
1.6	1096.0	281236	1.04	18000	K165212C_N_-__7.5B--	3299	213TC
1.4	1220.5	313180	0.93	18000	K165214C_N_-__7.5B--	3299	213TC

10.0 HP

4 POLE 1750 rpm nominal input speed

216	8.112	2834	1.18	610	K05328.0_N_-__10.B--	244	215TC
154	11.40	3982	0.99	567	K053211._N_-__10.B--	244	215TC
137	12.78	4465	0.92	573	K053212._N_-__10.B--	244	215TC
122	14.35	5013	0.85	581	K053214._N_-__10.B--	244	215TC
220	7.961	2781	1.70	1048	K06328.0_N_-__10.B--	262	215TC
156	11.19	3909	1.44	970	K063211._N_-__10.B--	262	215TC
140	12.54	4381	1.34	971	K063212._N_-__10.B--	262	215TC
124	14.08	4919	1.24	984	K063214._N_-__10.B--	262	215TC
98	17.88	6246	1.06	1017	K063218._N_-__10.B--	262	215TC
86	20.27	7081	0.96	1048	K063220._N_-__10.B--	262	215TC
72	24.18	8447	0.84	1083	K063225._N_-__10.B--	262	215TC
204	8.595	3003	2.09	1796	K07328.0_N_-__10.B--	302	215TC
147	11.91	4161	2.09	1560	K073211._N_-__10.B--	302	215TC
131	13.37	4671	2.10	1461	K073212._N_-__10.B--	302	215TC
119	14.71	5139	2.10	1387	K073214._N_-__10.B--	302	215TC
91	19.21	6711	1.79	1405	K073218._N_-__10.B--	302	215TC
80	21.84	7630	1.63	1446	K073220._N_-__10.B--	302	215TC
66	26.52	9264	1.40	1517	K073225._N_-__10.B--	302	215TC
60	29.17	10190	1.31	1549	K073228._N_-__10.B--	302	215TC
52	33.52	11710	1.18	1597	K073232._N_-__10.B--	302	215TC
46	38.01	13278	1.07	1643	K073236._N_-__10.B--	302	215TC
42	41.92	14644	0.97	1714	K073240._N_-__10.B--	302	215TC
36	48.01	16772	0.85	1817	K073245._N_-__10.B--	302	215TC
215	8.128	2839	3.29	2243	K08328.0_N_-__10.B--	424	215TC
152	11.52	4024	3.30	1861	K083211._N_-__10.B--	424	215TC
137	12.80	4472	3.31	1704	K083212._N_-__10.B--	424	215TC
123	14.24	4975	3.32	1533	K083214._N_-__10.B--	424	215TC
95	18.41	6431	3.11	1286	K083218._N_-__10.B--	424	215TC
85	20.67	7221	2.83	1356	K083220._N_-__10.B--	424	215TC
69	25.35	8856	2.41	1483	K083225._N_-__10.B--	424	215TC
61	28.56	9977	2.17	1553	K083228._N_-__10.B--	424	215TC
53	33.24	11612	1.93	1644	K083232._N_-__10.B--	424	215TC
47	36.88	12884	1.77	1709	K083236._N_-__10.B--	424	215TC
43	40.36	14099	1.66	1746	K083240._N_-__10.B--	424	215TC
38	45.66	15951	1.50	1831	K083245._N_-__10.B--	424	215TC
34	51.54	18005	1.33	1973	K083250._N_-__10.B--	424	215TC
28	62.47	21823	1.10	2181	K083263._N_-__10.B--	424	215TC
24	72.86	25453	0.94	2338	K083271._N_-__10.B--	424	215TC
22	80.03	27958	0.86	2436	K083280._N_-__10.B--	424	215TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

10.0 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
49	35.62	12443	2.87	7970	K093236._N_-__10.B--	547	215TC
43	40.33	14089	2.60	7970	K093240._N_-__10.B--	547	215TC
39	44.89	15682	2.39	7970	K093245._N_-__10.B--	547	215TC
35	49.87	17422	2.18	7970	K093250._N_-__10.B--	547	215TC
29	61.00	21310	1.78	7970	K093263._N_-__10.B--	547	215TC
25	70.45	24611	1.54	7970	K093271._N_-__10.B--	547	215TC
22	77.78	27172	1.40	7970	K093280._N_-__10.B--	547	215TC
19	94.53	33023	1.15	7970	K0932100_N_-__10.B--	547	215TC
16	107.00	37379	1.02	7970	K0932112_N_-__10.B--	547	215TC
39	45.37	15849	4.01	9690	K103245._N_-__10.B--	824	215TC
35	50.41	17610	3.61	9690	K103250._N_-__10.B--	824	215TC
29	59.58	20814	3.06	9690	K103263._N_-__10.B--	824	215TC
24	71.89	25114	2.53	9690	K103271._N_-__10.B--	824	215TC
21	82.83	28936	2.20	9690	K103280._N_-__10.B--	824	215TC
18	96.11	33575	1.89	9690	K1032100_N_-__10.B--	824	215TC
16	112.00	39126	1.63	9690	K1032112_N_-__10.B--	824	215TC
15	120.40	42060	1.51	9690	K1032125_N_-__10.B--	824	215TC
13	137.33	46987	1.35	9690	K1052140_N_-__10.B--	885	215TC
10	166.84	57083	1.11	9690	K1052160_N_-__10.B--	885	215TC
8.3	211.36	72315	0.88	9690	K1052200_N_-__10.B--	885	215TC
21	83.10	29030	3.75	13800	K123280._N_-__10.B--	1144	215TC
18	97.07	33910	3.21	13800	K1232100_N_-__10.B--	1144	215TC
15	113.80	39755	2.74	13800	K1232112_N_-__10.B--	1144	215TC
14	121.10	42305	2.58	13800	K1232125_N_-__10.B--	1144	215TC
13	133.06	45523	2.39	13800	K1252125_N_-__10.B--	1237	215TC
12	148.71	50879	2.14	13800	K1252140_N_-__10.B--	1237	215TC
10	172.15	58900	1.85	13800	K1252160_N_-__10.B--	1237	215TC
8.5	205.98	70475	1.55	13800	K1252200_N_-__10.B--	1237	215TC
6.9	254.42	87045	1.25	13800	K1252250_N_-__10.B--	1237	215TC
5.9	294.52	100767	1.08	13800	K1252280_N_-__10.B--	1237	215TC
5.3	331.99	113585	0.96	13800	K1252320_N_-__10.B--	1237	215TC
4.6	377.82	129266	0.84	13800	K1252360_N_-__10.B--	1237	215TC
13	135.60	47370	3.93	18000	K1532125_N_-__10.B--	1744	215TC
12	152.10	53134	3.50	18000	K1532140_N_-__10.B--	1744	215TC
10	168.56	57671	3.23	18000	K1552160_N_-__10.B--	1881	215TC
10	181.18	61989	3.00	18000	K1552200_N_-__10.B--	1881	215TC
7.0	250.96	85864	2.17	18000	K1552250_N_-__10.B--	1881	215TC
6.2	281.91	96452	1.93	18000	K1552280_N_-__10.B--	1881	215TC
5.4	322.94	110488	1.68	18000	K1552320_N_-__10.B--	1881	215TC
4.8	362.76	124113	1.50	18000	K1552360_N_-__10.B--	1881	215TC
4.4	398.87	136466	1.36	18000	K1552400_N_-__10.B--	1881	215TC
3.8	460.32	157493	1.18	18000	K1552450_N_-__10.B--	1881	215TC
3.4	520.03	177922	1.05	18000	K1552500_N_-__10.B--	1881	215TC
3.1	558.96	191242	0.97	18000	K1552560_N_-__10.B--	1881	215TC
2.8	614.86	210366	0.88	18000	K1552630_N_-__10.B--	1881	215TC
2.8	627.10	214553	1.36	18000	K1652630_N_-__10.B--	3344	215TC
2.5	709.89	242877	1.20	18000	K1652700_N_-__10.B--	3344	215TC
2.2	783.20	267960	1.09	18000	K1652800_N_-__10.B--	3344	215TC
1.9	913.65	312591	0.93	18000	K1652900_N_-__10.B--	3344	215TC
1.7	1033.5	353614	0.83	18000	K165210C_N_-__10.B--	3344	215TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

15.0 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
204	8.595	4504	1.39	1590	K07328.0_N_-__15.B--	427	254TC
147	11.91	6241	1.40	1381	K073211._N_-__15.B--	427	254TC
131	13.37	7006	1.40	1294	K073212._N_-__15.B--	427	254TC
119	14.71	7708	1.40	1228	K073214._N_-__15.B--	427	254TC
91	19.21	10066	1.19	1244	K073218._N_-__15.B--	427	254TC
80	21.84	11444	1.08	1280	K073220._N_-__15.B--	427	254TC
215	8.128	4259	2.19	1986	K08328.0_N_-__15.B--	549	254TC
152	11.52	6037	2.20	1648	K083211._N_-__15.B--	549	254TC
137	12.80	6707	2.21	1509	K083212._N_-__15.B--	549	254TC
123	14.24	7462	2.21	1358	K083214._N_-__15.B--	549	254TC
95	18.41	9647	2.07	1139	K083218._N_-__15.B--	549	254TC
85	20.67	10831	1.88	1201	K083220._N_-__15.B--	549	254TC
69	25.35	13284	1.60	1313	K083225._N_-__15.B--	549	254TC
61	28.56	14966	1.45	1375	K083228._N_-__15.B--	549	254TC
53	33.24	17418	1.29	1456	K083232._N_-__15.B--	549	254TC
47	36.88	19325	1.18	1513	K083236._N_-__15.B--	549	254TC
43	40.36	21149	1.11	1546	K083240._N_-__15.B--	549	254TC
38	45.66	23926	1.00	1621	K083245._N_-__15.B--	549	254TC
34	51.54	27007	0.89	1747	K083250._N_-__15.B--	549	254TC
126	13.92	7294	3.80	7970	K093214._N_-__15.B--	672	254TC
98	17.93	9395	3.27	7970	K093218._N_-__15.B--	672	254TC
87	20.03	10496	3.02	7970	K093220._N_-__15.B--	672	254TC
70	25.02	13111	2.53	7970	K093225._N_-__15.B--	672	254TC
63	27.78	14557	2.33	7970	K093228._N_-__15.B--	672	254TC
55	31.67	16595	2.10	7970	K093232._N_-__15.B--	672	254TC
49	35.62	18665	1.91	7970	K093236._N_-__15.B--	672	254TC
43	40.33	21133	1.73	7970	K093240._N_-__15.B--	672	254TC
39	44.89	23523	1.59	7970	K093245._N_-__15.B--	672	254TC
35	49.87	26132	1.45	7970	K093250._N_-__15.B--	672	254TC
29	61.00	31964	1.19	7970	K093263._N_-__15.B--	672	254TC
25	70.45	36916	1.03	7970	K093271._N_-__15.B--	672	254TC
22	77.78	40757	0.93	7970	K093280._N_-__15.B--	672	254TC
53	33.10	17345	3.67	9690	K103232._N_-__15.B--	948	254TC
47	37.34	19566	3.25	9690	K103236._N_-__15.B--	948	254TC
42	41.49	21741	2.93	9690	K103240._N_-__15.B--	948	254TC
39	45.37	23774	2.68	9690	K103245._N_-__15.B--	948	254TC
35	50.41	26415	2.41	9690	K103250._N_-__15.B--	948	254TC
29	59.58	31220	2.04	9690	K103263._N_-__15.B--	948	254TC
24	71.89	37671	1.69	9690	K103271._N_-__15.B--	948	254TC
21	82.83	43404	1.47	9690	K103280._N_-__15.B--	948	254TC
18	96.11	50362	1.26	9690	K1032100_N_-__15.B--	948	254TC
33	52.76	27647	3.94	13800	K123250._N_-__15.B--	1269	254TC
29	60.77	31844	3.42	13800	K123263._N_-__15.B--	1269	254TC
23	74.62	39101	2.79	13800	K123271._N_-__15.B--	1269	254TC
21	83.10	43545	2.50	13800	K123280._N_-__15.B--	1269	254TC
18	97.07	50865	2.14	13800	K1232100_N_-__15.B--	1269	254TC
15	113.80	59632	1.83	13800	K1232112_N_-__15.B--	1269	254TC
14	121.10	63457	1.72	13800	K1232125_N_-__15.B--	1269	254TC
13	133.06	68284	1.60	13800	K1252125_N_-__15.B--	1362	254TC
12	148.71	76318	1.43	13800	K1252140_N_-__15.B--	1362	254TC
10	172.15	88349	1.23	13800	K1252160_N_-__15.B--	1362	254TC
8.5	205.98	105712	1.03	13800	K1252200_N_-__15.B--	1362	254TC
6.9	254.42	130567	0.83	13800	K1252250_N_-__15.B--	1362	254TC
5.9	294.52	151151	0.72	13800	K1252280_N_-__15.B--	1362	254TC
19	91.25	47816	3.89	18000	K153280._N_-__15.B--	1869	254TC
18	98.86	51803	3.59	18000	K1532100_N_-__15.B--	1869	254TC
15	115.60	60575	2.92	18000	K1532112_N_-__15.B--	1869	254TC
13	135.60	71055	2.62	18000	K1532125_N_-__15.B--	1869	254TC
12	152.10	79702	2.33	18000	K1532140_N_-__15.B--	1869	254TC
10	168.56	86507	2.15	18000	K1552160_N_-__15.B--	2006	254TC
10	181.18	92983	2.00	18000	K1552200_N_-__15.B--	2006	254TC
7.0	250.96	128796	1.44	18000	K1552250_N_-__15.B--	2006	254TC
6.2	281.91	144679	1.29	18000	K1552280_N_-__15.B--	2006	254TC
5.4	322.94	165732	1.12	18000	K1552320_N_-__15.B--	2006	254TC
4.8	362.76	186170	1.00	18000	K1552360_N_-__15.B--	2006	254TC
4.4	398.87	204699	0.91	18000	K1552400_N_-__15.B--	2006	254TC
4.4	398.87	204699	0.91	18000	K1552400_M_-__15.B--	2006	254TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

15.0 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
11	163.53	83923	3.48	18000	K1652160_N_-__15.B--	3469	254TC
9.0	194.71	99927	2.92	18000	K1652200_N_-__15.B--	3469	254TC
7.2	243.18	124801	2.34	18000	K1652250_N_-__15.B--	3469	254TC
6.4	272.56	139879	2.09	18000	K1652280_N_-__15.B--	3469	254TC
5.5	315.67	162005	1.80	18000	K1652320_N_-__15.B--	3469	254TC
5.0	352.67	180989	1.61	18000	K1652360_N_-__15.B--	3469	254TC
4.4	394.25	202332	1.44	18000	K1652400_N_-__15.B--	3469	254TC
4.0	440.45	226042	1.29	18000	K1652450_N_-__15.B--	3469	254TC
3.4	509.21	261326	1.12	18000	K1652500_N_-__15.B--	3469	254TC
3.1	565.32	290124	1.01	18000	K1652560_N_-__15.B--	3469	254TC
2.8	627.10	321830	0.91	18000	K1652630_N_-__15.B--	3469	254TC
2.5	709.89	364316	0.80	18000	K1652700_N_-__15.B--	3469	254TC

20.0 HP

4 POLE 1750 rpm nominal input speed

204	8.595	6005	1.04	1459	K07328.0_N_-__20.B--	452	256TC
147	11.91	8321	1.05	1267	K073211._N_-__20.B--	452	256TC
131	13.37	9341	1.05	1187	K073212._N_-__20.B--	452	256TC
119	14.71	10278	1.05	1127	K073214._N_-__20.B--	452	256TC
91	19.21	13422	0.89	1141	K073218._N_-__20.B--	452	256TC
80	21.84	15259	0.81	1175	K073220._N_-__20.B--	452	256TC
215	8.128	5679	1.64	1822	K08328.0_N_-__20.B--	574	256TC
152	11.52	8049	1.65	1511	K083211._N_-__20.B--	574	256TC
137	12.80	8943	1.65	1384	K083212._N_-__20.B--	574	256TC
123	14.24	9949	1.66	1245	K083214._N_-__20.B--	574	256TC
95	18.41	12863	1.55	1045	K083218._N_-__20.B--	574	256TC
85	20.67	14442	1.41	1101	K083220._N_-__20.B--	574	256TC
69	25.35	17711	1.20	1205	K083225._N_-__20.B--	574	256TC
61	28.56	19954	1.09	1261	K083228._N_-__20.B--	574	256TC
53	33.24	23224	0.96	1335	K083232._N_-__20.B--	574	256TC
47	36.88	25767	0.88	1388	K083236._N_-__20.B--	574	256TC
43	40.36	28199	0.83	1418	K083240._N_-__20.B--	574	256TC
218	8.035	5614	3.83	7970	K09328.0_N_-__20.B--	697	256TC
158	11.06	7727	3.24	7970	K093211._N_-__20.B--	697	256TC
141	12.40	8664	3.04	7970	K093212._N_-__20.B--	697	256TC
126	13.92	9726	2.85	7970	K093214._N_-__20.B--	697	256TC
98	17.93	12527	2.45	7970	K093218._N_-__20.B--	697	256TC
87	20.03	13995	2.27	7970	K093220._N_-__20.B--	697	256TC
70	25.02	17481	1.90	7970	K093225._N_-__20.B--	697	256TC
63	27.78	19409	1.75	7970	K093228._N_-__20.B--	697	256TC
55	31.67	22127	1.57	7970	K093232._N_-__20.B--	697	256TC
49	35.62	24887	1.43	7970	K093236._N_-__20.B--	697	256TC
43	40.33	28178	1.30	7970	K093240._N_-__20.B--	697	256TC
39	44.89	31364	1.20	7970	K093245._N_-__20.B--	697	256TC
35	49.87	34843	1.09	7970	K093250._N_-__20.B--	697	256TC
68	25.76	17998	3.53	9690	K103225._N_-__20.B--	974	256TC
60	29.24	20429	3.11	9690	K103228._N_-__20.B--	974	256TC
53	33.10	23126	2.75	9690	K103232._N_-__20.B--	974	256TC
47	37.34	26089	2.44	9690	K103236._N_-__20.B--	974	256TC
42	41.49	28988	2.19	9690	K103240._N_-__20.B--	974	256TC
39	45.37	31699	2.01	9690	K103245._N_-__20.B--	974	256TC
35	50.41	35220	1.81	9690	K103250._N_-__20.B--	974	256TC
29	59.58	41627	1.53	9690	K103263._N_-__20.B--	974	256TC
24	71.89	50228	1.27	9690	K103271._N_-__20.B--	974	256TC
21	82.83	57871	1.10	9690	K103280._N_-__20.B--	974	256TC
43	40.44	28255	3.86	13800	K123240._N_-__20.B--	1294	256TC
37	46.81	32705	3.33	13800	K123245._N_-__20.B--	1294	256TC
33	52.76	36862	2.96	13800	K123250._N_-__20.B--	1294	256TC
29	60.77	42459	2.57	13800	K123263._N_-__20.B--	1294	256TC
23	74.62	52135	2.09	13800	K123271._N_-__20.B--	1294	256TC
21	83.10	58060	1.88	13800	K123280._N_-__20.B--	1294	256TC
18	97.07	67821	1.61	13800	K1232100_N_-__20.B--	1294	256TC
15	113.80	79509	1.37	13800	K1232112_N_-__20.B--	1294	256TC
14	121.10	84610	1.29	13800	K1232125_N_-__20.B--	1294	256TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

20.0 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
13	133.06	91046	1.20	13800	K1252125_N_-__20.B--	1387	256TC
12	148.71	101757	1.07	13800	K1252140_N_-__20.B--	1387	256TC
10	172.15	117799	0.93	13800	K1252160_N_-__20.B--	1387	256TC
23	76.04	53127	3.50	18000	K153271._N_-__20.B--	1894	256TC
19	91.25	63754	2.92	18000	K153280._N_-__20.B--	1894	256TC
18	98.86	69071	2.69	18000	K1532100_N_-__20.B--	1894	256TC
15	115.60	80767	2.19	18000	K1532112_N_-__20.B--	1894	256TC
13	135.60	94741	1.96	18000	K1532125_N_-__20.B--	1894	256TC
12	152.10	106269	1.75	18000	K1532140_N_-__20.B--	1894	256TC
10.4	168.56	115342	1.61	18000	K1552160_N_-__20.B--	2031	256TC
9.7	181.18	123977	1.50	18000	K1552200_N_-__20.B--	2031	256TC
7.0	250.96	171727	1.08	18000	K1552250_N_-__20.B--	2031	256TC
6.2	281.91	192905	0.96	18000	K1552280_N_-__20.B--	2031	256TC
5.4	322.94	220975	0.84	18000	K1552320_N_-__20.B--	2031	256TC
12	141.44	96781	3.02	18000	K1652140_N_-__20.B--	3494	256TC
11	163.53	111897	2.61	18000	K1652160_N_-__20.B--	3494	256TC
9.0	194.71	133235	2.19	18000	K1652200_N_-__20.B--	3494	256TC
7.2	243.18	166401	1.75	18000	K1652250_N_-__20.B--	3494	256TC
6.4	272.56	186505	1.57	18000	K1652280_N_-__20.B--	3494	256TC
5.5	315.67	216007	1.35	18000	K1652320_N_-__20.B--	3494	256TC
5.0	352.67	241319	1.21	18000	K1652360_N_-__20.B--	3494	256TC
4.4	394.25	269776	1.08	18000	K1652400_N_-__20.B--	3494	256TC
4.0	440.45	301389	0.97	18000	K1652450_N_-__20.B--	3494	256TC
3.4	509.21	348435	0.84	18000	K1652500_N_-__20.B--	3494	256TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

25.0 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
218	8.035	7017	3.06	7961	K09328.0_N_-__25.B--	852	284TC
158	11.06	9659	2.59	7755	K093211._N_-__25.B--	852	284TC
141	12.40	10829	2.43	7673	K093212._N_-__25.B--	852	284TC
126	13.92	12157	2.28	7592	K093214._N_-__25.B--	852	284TC
98	17.93	15659	1.96	7685	K093218._N_-__25.B--	852	284TC
87	20.03	17493	1.81	7781	K093220._N_-__25.B--	852	284TC
70	25.02	21851	1.52	7970	K093225._N_-__25.B--	852	284TC
63	27.78	24262	1.40	7970	K093228._N_-__25.B--	852	284TC
55	31.67	27659	1.26	7970	K093232._N_-__25.B--	852	284TC
49	35.62	31109	1.15	7970	K093236._N_-__25.B--	852	284TC
43	40.33	35222	1.04	7970	K093240._N_-__25.B--	852	284TC
39	44.89	39205	0.96	7970	K093245._N_-__25.B--	852	284TC
94	18.57	16218	3.76	9690	K103218._N_-__25.B--	1128	284TC
87	20.05	17511	3.59	9690	K103220._N_-__25.B--	1128	284TC
68	25.76	22497	2.83	9690	K103225._N_-__25.B--	1128	284TC
60	29.24	25537	2.49	9690	K103228._N_-__25.B--	1128	284TC
53	33.10	28908	2.20	9690	K103232._N_-__25.B--	1128	284TC
47	37.34	32611	1.95	9690	K103236._N_-__25.B--	1128	284TC
42	41.49	36235	1.76	9690	K103240._N_-__25.B--	1128	284TC
39	45.37	39624	1.61	9690	K103245._N_-__25.B--	1128	284TC
35	50.41	44025	1.44	9690	K103250._N_-__25.B--	1128	284TC
29	59.58	52034	1.22	9690	K103263._N_-__25.B--	1128	284TC
24	71.89	62785	1.01	9690	K103271._N_-__25.B--	1128	284TC
21	82.83	72339	0.88	9690	K103280._N_-__25.B--	1128	284TC
53	32.83	28672	3.80	13800	K123232._N_-__25.B--	1414	284TC
48	36.18	31598	3.45	13800	K123236._N_-__25.B--	1414	284TC
43	40.44	35318	3.09	13800	K123240._N_-__25.B--	1414	284TC
37	46.81	40881	2.67	13800	K123245._N_-__25.B--	1414	284TC
33	52.76	46078	2.37	13800	K123250._N_-__25.B--	1414	284TC
29	60.77	53073	2.05	13800	K123263._N_-__25.B--	1414	284TC
23	74.62	65169	1.67	13800	K123271._N_-__25.B--	1414	284TC
21	83.10	72575	1.50	13800	K123280._N_-__25.B--	1414	284TC
18	97.07	84776	1.29	13800	K1232100_N_-__25.B--	1414	284TC
15	113.80	99387	1.10	13800	K1232112_N_-__25.B--	1414	284TC
14	121.10	105762	1.03	13800	K1232125_N_-__25.B--	1414	284TC
28	63.39	55361	3.36	18000	K153263._N_-__25.B--	2014	284TC
23	76.04	66409	2.80	18000	K153271._N_-__25.B--	2014	284TC
19	91.25	79693	2.33	18000	K153280._N_-__25.B--	2014	284TC
18	98.86	86339	2.15	18000	K1532100_N_-__25.B--	2014	284TC
15	115.60	100959	1.75	18000	K1532112_N_-__25.B--	2014	284TC
13	135.60	118426	1.57	18000	K1532125_N_-__25.B--	2014	284TC
12	152.10	132836	1.40	18000	K1532140_N_-__25.B--	2014	284TC
20	86.08	75178	3.88	18000	K163280._N_-__25.B--	3307	284TC
17	102.90	89867	3.25	18000	K1632100_N_-__25.B--	3307	284TC
14	123.40	107771	2.37	18000	K1632125_N_-__25.B--	3307	284TC
12	141.44	120977	2.41	18000	K1652140_N_-__25.B--	3649	284TC
11	163.53	139871	2.09	18000	K1652160_N_-__25.B--	3649	284TC
9.0	194.71	166544	1.75	18000	K1652200_N_-__25.B--	3649	284TC
7.2	243.18	208001	1.40	18000	K1652250_N_-__25.B--	3649	284TC
6.4	272.56	233132	1.25	18000	K1652280_N_-__25.B--	3649	284TC
5.5	315.67	270008	1.08	18000	K1652320_N_-__25.B--	3649	284TC
5.0	352.67	301649	0.97	18000	K1652360_N_-__25.B--	3649	284TC
4.4	394.25	337220	0.87	18000	K1652400_N_-__25.B--	3649	284TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

30.0 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
218	8.035	8421	2.55	7538	K09328.0_N_-__30.B--	867	286TC
158	11.06	11591	2.16	7342	K093211._N_-__30.B--	867	286TC
141	12.40	12995	2.02	7265	K093212._N_-__30.B--	867	286TC
126	13.92	14588	1.90	7188	K093214._N_-__30.B--	867	286TC
98	17.93	18791	1.63	7276	K093218._N_-__30.B--	867	286TC
87	20.03	20992	1.51	7367	K093220._N_-__30.B--	867	286TC
70	25.02	26221	1.27	7546	K093225._N_-__30.B--	867	286TC
63	27.78	29114	1.16	7672	K093228._N_-__30.B--	867	286TC
55	31.67	33191	1.05	7871	K093232._N_-__30.B--	867	286TC
49	35.62	37330	0.96	7864	K093236._N_-__30.B--	867	286TC
139	12.55	13153	3.92	9690	K103212._N_-__30.B--	1143	286TC
123	14.26	14945	3.65	9690	K103214._N_-__30.B--	1143	286TC
94	18.57	19462	3.13	9690	K103218._N_-__30.B--	1143	286TC
87	20.05	21013	2.99	9690	K103220._N_-__30.B--	1143	286TC
68	25.76	26997	2.36	9690	K103225._N_-__30.B--	1143	286TC
60	29.24	30644	2.08	9690	K103228._N_-__30.B--	1143	286TC
53	33.10	34689	1.83	9690	K103232._N_-__30.B--	1143	286TC
47	37.34	39133	1.63	9690	K103236._N_-__30.B--	1143	286TC
42	41.49	43482	1.46	9690	K103240._N_-__30.B--	1143	286TC
39	45.37	47548	1.34	9690	K103245._N_-__30.B--	1143	286TC
35	50.41	52830	1.20	9690	K103250._N_-__30.B--	1143	286TC
29	59.58	62441	1.02	9690	K103263._N_-__30.B--	1143	286TC
24	71.89	75342	0.84	9690	K103271._N_-__30.B--	1143	286TC
66	26.50	27772	3.92	13800	K123225._N_-__30.B--	1429	286TC
60	28.99	30382	3.59	13800	K123228._N_-__30.B--	1429	286TC
53	32.83	34406	3.17	13800	K123232._N_-__30.B--	1429	286TC
48	36.18	37917	2.87	13800	K123236._N_-__30.B--	1429	286TC
43	40.44	42382	2.57	13800	K123240._N_-__30.B--	1429	286TC
37	46.81	49058	2.22	13800	K123245._N_-__30.B--	1429	286TC
33	52.76	55293	1.97	13800	K123250._N_-__30.B--	1429	286TC
29	60.77	63688	1.71	13800	K123263._N_-__30.B--	1429	286TC
23	74.62	78203	1.39	13800	K123271._N_-__30.B--	1429	286TC
21	83.10	87090	1.25	13800	K123280._N_-__30.B--	1429	286TC
18	97.07	101731	1.07	13800	K1232100_N_-__30.B--	1429	286TC
15	113.80	119264	0.91	13800	K1232112_N_-__30.B--	1429	286TC
14	121.10	126915	0.86	13800	K1232125_N_-__30.B--	1429	286TC
38	45.83	48031	3.87	18000	K153245._N_-__30.B--	2029	286TC
36	49.26	51625	3.60	18000	K153250._N_-__30.B--	2029	286TC
28	63.39	66434	2.80	18000	K153263._N_-__30.B--	2029	286TC
23	76.04	79691	2.33	18000	K153271._N_-__30.B--	2029	286TC
19	91.25	95631	1.94	18000	K153280._N_-__30.B--	2029	286TC
18	98.86	103607	1.80	18000	K1532100_N_-__30.B--	2029	286TC
15	115.60	121151	1.46	18000	K1532112_N_-__30.B--	2029	286TC
13	135.60	142111	1.31	18000	K1532125_N_-__30.B--	2029	286TC
12	152.10	159403	1.17	18000	K1532140_N_-__30.B--	2029	286TC
23	74.70	78287	3.73	18000	K163271._N_-__30.B--	3322	286TC
20	86.08	90213	3.24	18000	K163280._N_-__30.B--	3322	286TC
17	102.90	107841	2.71	18000	K1632100_N_-__30.B--	3322	286TC
14	123.40	129325	1.97	18000	K1632125_N_-__30.B--	3322	286TC
12	141.44	145172	2.01	18000	K1652140_N_-__30.B--	3664	286TC
11	163.53	167846	1.74	18000	K1652160_N_-__30.B--	3664	286TC
9.0	194.71	199853	1.46	18000	K1652200_N_-__30.B--	3664	286TC
7.2	243.18	249601	1.17	18000	K1652250_N_-__30.B--	3664	286TC
6.4	272.56	279758	1.04	18000	K1652280_N_-__30.B--	3664	286TC
5.5	315.67	324010	0.90	18000	K1652320_N_-__30.B--	3664	286TC
5.0	352.67	361979	0.81	18000	K1652360_N_-__30.B--	3664	286TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

40.0 HP

4 POLE 1750 rpm
nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
218	8.035	8421	2.55	7538	K09328.0_N_-__30.B--	867	286TC
158	11.06	11591	2.16	7342	K093211._N_-__30.B--	867	286TC
141	12.40	12995	2.02	7265	K093212._N_-__30.B--	867	286TC
126	13.92	14588	1.90	7188	K093214._N_-__30.B--	867	286TC
98	17.93	18791	1.63	7276	K093218._N_-__30.B--	867	286TC
87	20.03	20992	1.51	7367	K093220._N_-__30.B--	867	286TC
70	25.02	26221	1.27	7546	K093225._N_-__30.B--	867	286TC
63	27.78	29114	1.16	7672	K093228._N_-__30.B--	867	286TC
55	31.67	33191	1.05	7871	K093232._N_-__30.B--	867	286TC
49	35.62	37330	0.96	7864	K093236._N_-__30.B--	867	286TC
139	12.55	13153	3.92	9690	K103212._N_-__30.B--	1143	286TC
123	14.26	14945	3.65	9690	K103214._N_-__30.B--	1143	286TC
94	18.57	19462	3.13	9690	K103218._N_-__30.B--	1143	286TC
87	20.05	21013	2.99	9690	K103220._N_-__30.B--	1143	286TC
68	25.76	26997	2.36	9690	K103225._N_-__30.B--	1143	286TC
60	29.24	30644	2.08	9690	K103228._N_-__30.B--	1143	286TC
53	33.10	34689	1.83	9690	K103232._N_-__30.B--	1143	286TC
47	37.34	39133	1.63	9690	K103236._N_-__30.B--	1143	286TC
42	41.49	43482	1.46	9690	K103240._N_-__30.B--	1143	286TC
39	45.37	47548	1.34	9690	K103245._N_-__30.B--	1143	286TC
35	50.41	52830	1.20	9690	K103250._N_-__30.B--	1143	286TC
29	59.58	62441	1.02	9690	K103263._N_-__30.B--	1143	286TC
24	71.89	75342	0.84	9690	K103271._N_-__30.B--	1143	286TC
66	26.50	27772	3.92	13800	K123225._N_-__30.B--	1429	286TC
60	28.99	30382	3.59	13800	K123228._N_-__30.B--	1429	286TC
53	32.83	34406	3.17	13800	K123232._N_-__30.B--	1429	286TC
48	36.18	37917	2.87	13800	K123236._N_-__30.B--	1429	286TC
43	40.44	42382	2.57	13800	K123240._N_-__30.B--	1429	286TC
37	46.81	49058	2.22	13800	K123245._N_-__30.B--	1429	286TC
33	52.76	55293	1.97	13800	K123250._N_-__30.B--	1429	286TC
29	60.77	63688	1.71	13800	K123263._N_-__30.B--	1429	286TC
23	74.62	78203	1.39	13800	K123271._N_-__30.B--	1429	286TC
21	83.10	87090	1.25	13800	K123280._N_-__30.B--	1429	286TC
18	97.07	101731	1.07	13800	K1232100_N_-__30.B--	1429	286TC
15	113.80	119264	0.91	13800	K1232112_N_-__30.B--	1429	286TC
14	121.10	126915	0.86	13800	K1232125_N_-__30.B--	1429	286TC
38	45.83	48031	3.87	18000	K153245._N_-__30.B--	2029	286TC
36	49.26	51625	3.60	18000	K153250._N_-__30.B--	2029	286TC
28	63.39	66434	2.80	18000	K153263._N_-__30.B--	2029	286TC
23	76.04	79691	2.33	18000	K153271._N_-__30.B--	2029	286TC
19	91.25	95631	1.94	18000	K153280._N_-__30.B--	2029	286TC
18	98.86	103607	1.80	18000	K1532100_N_-__30.B--	2029	286TC
15	115.60	121151	1.46	18000	K1532112_N_-__30.B--	2029	286TC
13	135.60	142111	1.31	18000	K1532125_N_-__30.B--	2029	286TC
12	152.10	159403	1.17	18000	K1532140_N_-__30.B--	2029	286TC
23	74.70	78287	3.73	18000	K163271._N_-__30.B--	3322	286TC
20	86.08	90213	3.24	18000	K163280._N_-__30.B--	3322	286TC
17	102.90	107841	2.71	18000	K1632100_N_-__30.B--	3322	286TC
14	123.40	129325	1.97	18000	K1632125_N_-__30.B--	3322	286TC
12	141.44	145172	2.01	18000	K1652140_N_-__30.B--	3664	286TC
11	163.53	167846	1.74	18000	K1652160_N_-__30.B--	3664	286TC
9.0	194.71	199853	1.46	18000	K1652200_N_-__30.B--	3664	286TC
7.2	243.18	249601	1.17	18000	K1652250_N_-__30.B--	3664	286TC
6.4	272.56	279758	1.04	18000	K1652280_N_-__30.B--	3664	286TC
5.5	315.67	324010	0.90	18000	K1652320_N_-__30.B--	3664	286TC
5.0	352.67	361979	0.81	18000	K1652360_N_-__30.B--	3664	286TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

50.0 HP

4 POLE 1750 rpm nominal input speed

K

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
218	8.035	14035	1.53	6467	K09328.0_N_-__50.B--	1092	326TC
158	11.06	19318	1.29	6299	K093211._N_-__50.B--	1092	326TC
141	12.40	21659	1.21	6233	K093212._N_-__50.B--	1092	326TC
126	13.92	24314	1.14	6167	K093214._N_-__50.B--	1092	326TC
98	17.93	31318	0.98	6266	K093218._N_-__50.B--	1092	326TC
87	20.03	34986	0.91	6440	K093220._N_-__50.B--	1092	326TC
212	8.263	14433	2.51	9690	K10328.0_N_-__50.B--	1348	326TC
152	11.54	20157	2.46	9690	K103211._N_-__50.B--	1348	326TC
139	12.55	21921	2.35	9690	K103212._N_-__50.B--	1348	326TC
123	14.26	24908	2.19	9690	K103214._N_-__50.B--	1348	326TC
94	18.57	32436	1.88	9690	K103218._N_-__50.B--	1348	326TC
87	20.05	35021	1.80	9690	K103220._N_-__50.B--	1348	326TC
68	25.76	44995	1.41	9690	K103225._N_-__50.B--	1348	326TC
60	29.24	51073	1.25	9690	K103228._N_-__50.B--	1348	326TC
53	33.10	57816	1.10	9690	K103232._N_-__50.B--	1348	326TC
47	37.34	65222	0.98	9663	K103236._N_-__50.B--	1348	326TC
42	41.49	72470	0.88	9552	K103240._N_-__50.B--	1348	326TC
39	45.37	79247	0.80	9458	K103245._N_-__50.B--	1348	326TC
206	8.513	14870	3.09	13800	K12328.0_N_-__50.B--	1647	326TC
148	11.80	20611	3.10	13800	K123211._N_-__50.B--	1647	326TC
135	12.96	22637	3.10	13800	K123212._N_-__50.B--	1647	326TC
123	14.25	24890	3.10	13800	K123214._N_-__50.B--	1647	326TC
96	18.20	31790	3.05	13800	K123218._N_-__50.B--	1647	326TC
87	20.17	35231	2.87	13800	K123220._N_-__50.B--	1647	326TC
66	26.50	46287	2.35	13800	K123225._N_-__50.B--	1647	326TC
60	28.99	50637	2.15	13800	K123228._N_-__50.B--	1647	326TC
53	32.83	57344	1.90	13800	K123232._N_-__50.B--	1647	326TC
48	36.18	63195	1.72	13800	K123236._N_-__50.B--	1647	326TC
43	40.44	70636	1.54	13800	K123240._N_-__50.B--	1647	326TC
37	46.81	81763	1.33	13800	K123245._N_-__50.B--	1647	326TC
33	52.76	92156	1.18	13800	K123250._N_-__50.B--	1647	326TC
29	60.77	106147	1.03	13800	K123263._N_-__50.B--	1647	326TC
23	74.62	130338	0.84	13800	K123271._N_-__50.B--	1647	326TC
69	25.450	44453	3.91	18000	K153228._N_-__50.B--	2247	326TC
55	31.77	55492	3.35	18000	K153232._N_-__50.B--	2247	326TC
50	35.23	61536	3.02	18000	K153236._N_-__50.B--	2247	326TC
44	40.00	69868	2.66	18000	K153240._N_-__50.B--	2247	326TC
38	45.83	80051	2.32	18000	K153245._N_-__50.B--	2247	326TC
36	49.26	86042	2.16	18000	K153250._N_-__50.B--	2247	326TC
28	63.39	110723	1.68	18000	K153263._N_-__50.B--	2247	326TC
23	76.04	132819	1.40	18000	K153271._N_-__50.B--	2247	326TC
19	91.25	159386	1.17	18000	K153280._N_-__50.B--	2247	326TC
18	98.86	172678	1.08	18000	K1532100_N_-__50.B--	2247	326TC
15	115.60	201918	0.88	18000	K1532112_N_-__50.B--	2247	326TC
39	44.38	77518	3.77	18000	K163240._N_-__50.B--	3535	326TC
37	47.94	83736	3.49	18000	K163245._N_-__50.B--	3535	326TC
31	55.88	97605	2.99	18000	K163250._N_-__50.B--	3535	326TC
27	64.44	112557	2.59	18000	K163263._N_-__50.B--	3535	326TC
23	74.70	130478	2.24	18000	K163271._N_-__50.B--	3535	326TC
20	86.08	150355	1.94	18000	K163280._N_-__50.B--	3535	326TC
17	102.90	179735	1.62	18000	K1632100_N_-__50.B--	3535	326TC
14	123.40	215542	1.18	18000	K1632125_N_-__50.B--	3535	326TC
12	141.44	241953	1.21	18000	K1652140_N_-__50.B--	3889	326TC
11	163.53	279743	1.04	18000	K1652160_N_-__50.B--	3889	326TC
9.0	194.71	333089	0.88	18000	K1652200_N_-__50.B--	3889	326TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

60.0 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
206	8.513	17844	2.58	13800	K12328.0_N_-__60.B--	1712	364TC
148	11.80	24733	2.58	13800	K123211._N_-__60.B--	1712	364TC
135	12.96	27165	2.58	13800	K123212._N_-__60.B--	1712	364TC
123	14.25	29868	2.58	13800	K123214._N_-__60.B--	1712	364TC
96	18.20	38148	2.54	13800	K123218._N_-__60.B--	1712	364TC
87	20.17	42277	2.39	13800	K123220._N_-__60.B--	1712	364TC
66	26.50	55545	1.96	13800	K123225._N_-__60.B--	1712	364TC
60	28.99	60764	1.79	13800	K123228._N_-__60.B--	1712	364TC
53	32.83	68813	1.58	13800	K123232._N_-__60.B--	1712	364TC
48	36.18	75834	1.44	13800	K123236._N_-__60.B--	1712	364TC
43	40.44	84764	1.29	13800	K123240._N_-__60.B--	1712	364TC
37	46.81	98115	1.11	13800	K123245._N_-__60.B--	1712	364TC
33	52.76	110587	0.99	13800	K123250._N_-__60.B--	1712	364TC
29	60.77	127376	0.86	13800	K123263._N_-__60.B--	1712	364TC
76	22.92	48041	3.46	18000	K153225._N_-__60.B--	2312	364TC
69	25.45	53344	3.26	18000	K153228._N_-__60.B--	2312	364TC
55	31.77	66591	2.79	18000	K153232._N_-__60.B--	2312	364TC
50	35.23	73843	2.52	18000	K153236._N_-__60.B--	2312	364TC
44	40.00	83841	2.22	18000	K153240._N_-__60.B--	2312	364TC
38	45.83	96061	1.94	18000	K153245._N_-__60.B--	2312	364TC
36	49.26	103251	1.80	18000	K153250._N_-__60.B--	2312	364TC
28	63.39	132867	1.40	18000	K153263._N_-__60.B--	2312	364TC
23	76.04	159382	1.17	18000	K153271._N_-__60.B--	2312	364TC
19	91.25	191263	0.97	18000	K153280._N_-__60.B--	2312	364TC
18	98.86	207214	0.90	18000	K1532100_N_-__60.B--	2312	364TC
46	38.38	80446	3.63	18000	K163236._N_-__60.B--	3600	364TC
39	44.38	93022	3.14	18000	K163240._N_-__60.B--	3600	364TC
37	47.94	100484	2.91	18000	K163245._N_-__60.B--	3600	364TC
31	55.88	117126	2.49	18000	K163250._N_-__60.B--	3600	364TC
27	64.44	135068	2.16	18000	K163263._N_-__60.B--	3600	364TC
23	74.70	156574	1.86	18000	K163271._N_-__60.B--	3600	364TC
20	86.08	180426	1.62	18000	K163280._N_-__60.B--	3600	364TC
17	102.90	215682	1.35	18000	K1632100_N_-__60.B--	3600	364TC
14	123.40	258650	0.99	18000	K1632125_N_-__60.B--	3600	364TC

75.0 HP

4 POLE 1750 rpm nominal input speed

206	8.513	22304	2.06	13800	K12328.0_N_-__75.B--	1837	365TC
148	11.80	30916	2.07	13800	K123211._N_-__75.B--	1837	365TC
135	12.96	33956	2.07	13800	K123212._N_-__75.B--	1837	365TC
123	14.25	37336	2.07	13800	K123214._N_-__75.B--	1837	365TC
96	18.20	47685	2.03	13800	K123218._N_-__75.B--	1837	365TC
87	20.17	52846	1.91	13800	K123220._N_-__75.B--	1837	365TC
66	26.50	69431	1.57	13800	K123225._N_-__75.B--	1837	365TC
60	28.99	75955	1.44	13800	K123228._N_-__75.B--	1837	365TC
53	32.83	86016	1.27	13800	K123232._N_-__75.B--	1837	365TC
48	36.18	94793	1.15	13800	K123236._N_-__75.B--	1837	365TC
43	40.44	105954	1.03	13800	K123240._N_-__75.B--	1837	365TC
37	46.81	122644	0.89	13800	K123245._N_-__75.B--	1837	365TC
124	14.10	36943	3.63	18000	K153214._N_-__75.B--	2437	365TC
110	15.88	41606	3.41	18000	K153218._N_-__75.B--	2437	365TC
98	17.86	46794	3.21	18000	K153220._N_-__75.B--	2437	365TC
76	22.92	60051	2.76	18000	K153225._N_-__75.B--	2437	365TC
69	25.45	66680	2.61	18000	K153228._N_-__75.B--	2437	365TC
55	31.77	83239	2.23	18000	K153232._N_-__75.B--	2437	365TC
50	35.23	92304	2.02	18000	K153236._N_-__75.B--	2437	365TC
44	40.00	104802	1.77	18000	K153240._N_-__75.B--	2437	365TC
38	45.83	120076	1.55	18000	K153245._N_-__75.B--	2437	365TC
36	49.26	129063	1.44	18000	K153250._N_-__75.B--	2437	365TC
28	63.39	166084	1.12	18000	K153263._N_-__75.B--	2437	365TC
23	76.04	199228	0.93	18000	K153271._N_-__75.B--	2437	365TC
46	38.38	100557	2.90	18000	K163236._N_-__75.B--	3725	365TC
39	44.38	116277	2.51	18000	K163240._N_-__75.B--	3725	365TC
37	47.94	125605	2.32	18000	K163245._N_-__75.B--	3725	365TC
31	55.88	146408	1.99	18000	K163250._N_-__75.B--	3725	365TC
27	64.44	168835	1.73	18000	K163263._N_-__75.B--	3725	365TC
23	74.70	195717	1.49	18000	K163271._N_-__75.B--	3725	365TC
20	86.08	225533	1.29	18000	K163280._N_-__75.B--	3725	365TC
17	102.90	269602	1.08	18000	K1632100_N_-__75.B--	3725	365TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

K

100.0 HP

4 POLE 1750 rpm nominal input speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
206	8.513	29739	1.55	12766	K12328.0_N_-__100B--	2228	405TC
148	11.80	41222	1.55	13116	K123211._N_-__100B--	2228	405TC
135	12.96	45274	1.55	13231	K123212._N_-__100B--	2228	405TC
123	14.25	49781	1.55	13460	K123214._N_-__100B--	2228	405TC
96	18.20	63580	1.52	13617	K123218._N_-__100B--	2228	405TC
87	20.17	70462	1.43	13703	K123220._N_-__100B--	2228	405TC
66	26.50	92575	1.18	13443	K123225._N_-__100B--	2228	405TC
60	28.99	101273	1.08	13494	K123228._N_-__100B--	2228	405TC
53	32.83	114688	0.95	13394	K123232._N_-__100B--	2228	405TC
48	36.18	126391	0.86	13201	K123236._N_-__100B--	2228	405TC
173	10.11	35318	3.26	18000	K153211._N_-__100B--	2828	405TC
154	11.36	39685	3.05	18000	K153212._N_-__100B--	2828	405TC
124	14.10	49257	2.72	18000	K153214._N_-__100B--	2828	405TC
110	15.88	55475	2.56	18000	K153218._N_-__100B--	2828	405TC
98	17.86	62392	2.40	18000	K153220._N_-__100B--	2828	405TC
76	22.92	80068	2.07	18000	K153225._N_-__100B--	2828	405TC
69	25.45	88907	1.96	18000	K153228._N_-__100B--	2828	405TC
55	31.77	110985	1.68	18000	K153232._N_-__100B--	2828	405TC
50	35.23	123072	1.51	18000	K153236._N_-__100B--	2828	405TC
44	40.00	139735	1.33	18000	K153240._N_-__100B--	2828	405TC
38	45.83	160102	1.16	18000	K153245._N_-__100B--	2828	405TC
36	49.26	172084	1.08	18000	K153250._N_-__100B--	2828	405TC
28	63.39	221446	0.84	18000	K153263._N_-__100B--	2828	405TC
68	25.63	89535	3.26	18000	K163225._N_-__100B--	4088	405TC
57	30.61	106933	2.73	18000	K163228._N_-__100B--	4088	405TC
50	34.73	121325	2.41	18000	K163232._N_-__100B--	4088	405TC
46	38.38	134076	2.18	18000	K163236._N_-__100B--	4088	405TC
39	44.38	155036	1.88	18000	K163240._N_-__100B--	4088	405TC
37	47.94	167473	1.74	18000	K163245._N_-__100B--	4088	405TC
31	55.88	195210	1.50	18000	K163250._N_-__100B--	4088	405TC
27	64.44	225114	1.30	18000	K163263._N_-__100B--	4088	405TC
23	74.70	260956	1.12	18000	K163271._N_-__100B--	4088	405TC
20	86.08	300711	0.97	18000	K163280._N_-__100B--	4088	405TC
17	102.90	359469	0.81	18000	K1632100_N_-__100B--	4088	405TC

125 HP

4 POLE 1750 rpm nominal input speed

102	17.15	74889	3.82	18000	K163220._N_-__125B--	4754	444TC
78	22.45	98033	2.98	18000	K163225._N_-__125B--	4754	444TC
68	25.63	111919	2.61	18000	K163225._N_-__125B--	4754	444TC
57	30.61	133666	2.18	18000	K163228._N_-__125B--	4754	444TC
50	34.73	151657	1.93	18000	K163232._N_-__125B--	4754	444TC
46	38.38	167595	1.74	18000	K163236._N_-__125B--	4754	444TC
39	44.38	193796	1.51	18000	K163240._N_-__125B--	4754	444TC
37	47.94	209341	1.39	18000	K163245._N_-__125B--	4754	444TC
31	55.88	244013	1.20	18000	K163250._N_-__125B--	4754	444TC
27	64.44	281392	1.04	18000	K163263._N_-__125B--	4754	444TC
23	74.70	326195	0.90	18000	K163271._N_-__125B--	4754	444TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

150 HP

4 POLE 1750 rpm
nominal input speed

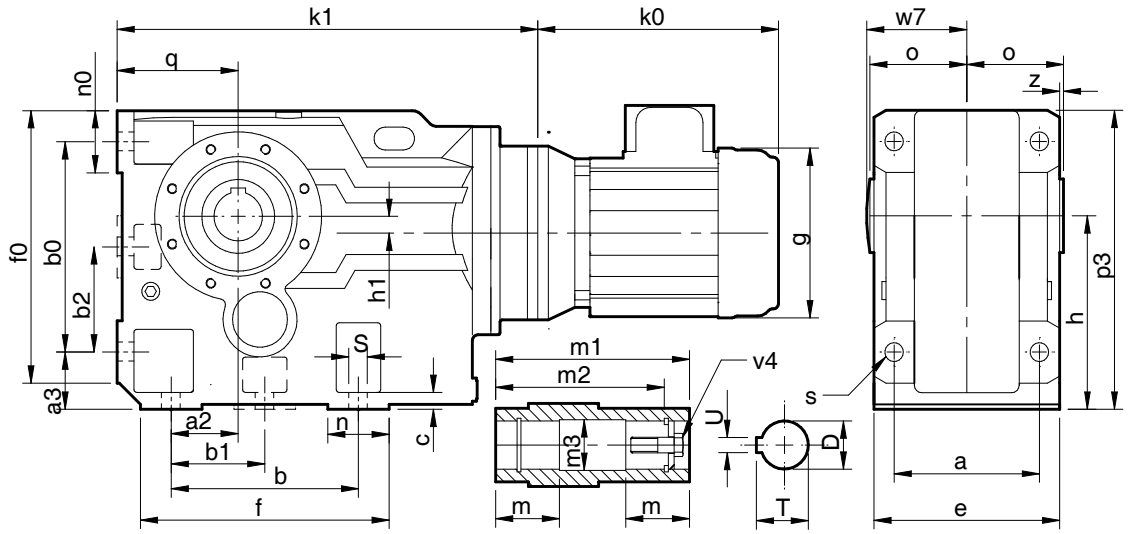
N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
129	13.57	71108	3.64	18000	K163212._N_-__150B--	4874	445TC
119	14.67	76872	3.49	18000	K163214._N_-__150B--	4874	445TC
102	17.15	89867	3.18	18000	K163218._N_-__150B--	4874	445TC
78	22.45	117640	2.48	18000	K163220._N_-__150B--	4874	445TC
68	25.63	134303	2.17	18000	K163225._N_-__150B--	4874	445TC
57	30.61	160399	1.82	18000	K163228._N_-__150B--	4874	445TC
50	34.73	181988	1.60	18000	K163232._N_-__150B--	4874	445TC
46	38.38	201114	1.45	18000	K163236._N_-__150B--	4874	445TC
39	44.38	232555	1.26	18000	K163240._N_-__150B--	4874	445TC
37	47.94	251209	1.16	18000	K163245._N_-__150B--	4874	445TC
31	55.88	292816	1.00	18000	K163250._N_-__150B--	4874	445TC
27	64.44	337671	0.86	18000	K163263._N_-__150B--	4874	445TC

NOTE

Other output speeds are available using 6 and 8 pole motors - Consult Application Engineering

K

DIMENSIONS
TRIPLE REDUCTION

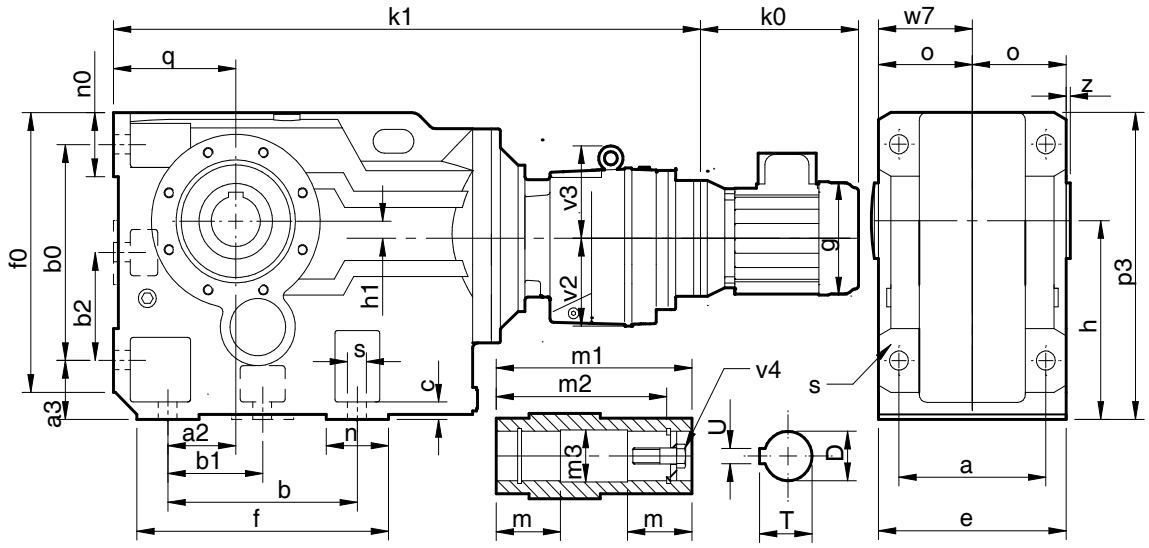


Size	a	a2	a3	b	b0	b1	b2	c	e	f	f0	h	h1	n	n0	o	p3	q	s	w7	z
K0332	3.94	1.10	1.26	4.33	4.53	-	-	0.43	4.72	5.63	5.98	3.94	0.63	1.50	1.50	2.36	6.57	2.48	0.43	2.48	0.00
K0432	4.72	1.38	1.46	5.12	5.12	-	-	0.63	5.71	6.61	6.73	4.41	0.51	1.50	1.57	2.95	7.36	2.80	0.43	3.07	0.10
K0532	5.12	1.18	1.77	5.12	5.91	-	-	0.59	6.18	6.69	7.56	5.20	0.20	1.57	1.57	3.27	8.54	3.15	0.55	3.43	0.22
K0632	5.51	1.18	1.77	4.72	6.30	-	-	0.79	6.69	6.93	8.19	5.51	0.51	2.17	1.89	3.54	9.17	3.54	0.55	3.70	0.20
K0732	6.50	1.57	2.17	5.91	7.87	-	-	1.06	7.87	8.27	10.35	7.09	0.98	2.36	2.17	4.13	11.34	4.41	0.71	4.29	0.20
K0832	7.09	2.17	2.76	7.09	9.17	-	-	1.18	9.06	10.08	12.17	8.35	0.59	2.99	2.99	4.72	13.43	5.20	0.91	4.88	0.20
K0932	8.27	2.95	2.95	9.45	11.61	-	-	1.38	11.42	13.39	15.55	10.43	0.39	3.94	3.94	5.91	16.54	6.30	1.06	6.06	0.20
K1032	10.63	3.74	3.74	11.02	14.17	-	-	1.57	13.39	15.35	17.91	12.40	1.61	4.33	4.53	6.89	20.20	7.87	1.34	7.09	0.20
K1232	12.99	4.53	4.33	13.78	16.54	-	-	1.77	15.75	18.50	21.26	14.76	2.56	4.72	4.72	8.07	23.23	8.86	1.54	8.27	0.20
K1532	16.54	5.51	5.12	14.96	19.69	-	-	1.97	19.69	21.26	25.59	17.72	3.35	5.71	5.51	9.84	27.95	11.02	1.54	10.04	0.00
K1632	18.90	7.87	4.53	21.26	21.26	10.63	10.63	1.97	22.05	26.77	26.38	19.69	3.94	5.51	4.80	12.01	31.50	12.40	1.30	12.20	0.98

Size	D	m	m1	m2	m3	T	U	v4
K0332	1.251 / 1.250	2.07	4.72	4.13	1.26	1.38	0.250	0.375 UNF x 2
K0432	1.376 / 1.375	2.60	5.91	5.20	1.38	1.53	0.313	0.5 UNF x 2.25
K0532	1.501 / 1.500	2.87	6.54	5.59	1.51	1.68	0.375	0.625 UNF x 2.75
K0632	1.501 / 1.500	3.15	7.09	6.14	1.51	1.68	0.375	0.625 UNF x 2.75
K0732	2.001 / 2.000	3.64	8.27	7.20	2.02	2.23	0.500	0.625 UNF x 2.75
K0832	2.376 / 2.375	4.13	9.45	8.27	2.38	2.66	0.625	0.75 UNF x 3.25
K0932	2.751 / 2.750	5.22	11.81	10.63	2.77	3.04	0.625	0.75 UNF x 3.25
K1032	3.251 / 3.250	6.10	13.78	12.32	3.27	3.59	0.750	0.75 UNF x 3.25
K1232	4.001 / 4.000	7.09	16.14	14.69	4.02	4.45	1.000	1.0 UNF x 4.5
K1532	4.501 / 4.500	7.09	19.69	18.11	4.60	4.95	1.000	1.0 UNF x 4.5
K1632	5.252 / 5.250	7.09	24.02	22.44	5.35	5.81	1.250	1.0 UNF x 4.5

Motor	Size		K0332	K0432	K0532	K0632	K0732	K0832	K0932	K1032	K1232	K1532	K1632
	k0	g	K1	K1	K1	K1	K1	K1	K1	K1	K1	K1	K1
56C	12.00	6.88	11.30	12.40	13.74	14.53	16.89	21.69	-	-	-	-	-
143-145TC	12.00	7.19	11.30	12.40	13.74	14.53	16.89	21.69	-	-	-	-	-
182-184TC	15.50	8.68	10.98	12.09	14.72	15.51	17.24	21.69	22.80	26.89	31.61	33.90	-
213-215TC	16.50	10.25	-	-	14.72	15.51	17.24	21.69	22.80	26.89	31.61	33.90	-
254-256TC	20.00	12.88	-	-	-	-	17.17	21.69	24.17	28.07	31.61	33.90	-
284-286TC	23.25	14.63	-	-	-	-	-	-	24.29	28.19	31.73	34.02	46.38
324-326TC	25.25	16.50	-	-	-	-	-	-	24.96	28.82	32.36	34.65	47.01
364-365TC	27.00	18.50	-	-	-	-	-	-	-	-	39.06	41.34	47.63
404-405TC	30.00	20.32	-	-	-	-	-	-	-	-	40.43	42.72	49.01
444-445TC	36.00	22.88	-	-	-	-	-	-	-	-	-	-	50.26

DIMENSIONS
QUINTUPLE REDUCTION



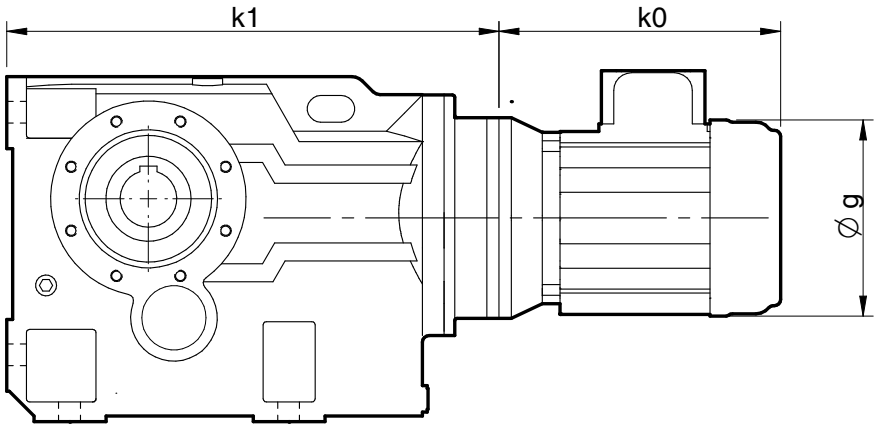
Size	a	a2	a3	b	b0	b1	b2	c	e	f	f0	h	h1	n	n0	o	p3	q	s	v2	v3	w7	z
K0352	3.94	1.10	1.26	4.33	4.53	-	-	0.43	4.72	5.63	5.98	3.94	0.63	1.50	1.50	2.36	6.57	2.48	0.43	2.99	2.91	2.48	0.00
K0452	4.72	1.38	1.46	5.12	5.12	-	-	0.63	5.71	6.61	6.73	4.41	0.51	1.50	1.57	2.95	7.36	2.80	0.43	2.99	2.91	3.07	0.10
K0552	5.12	1.18	1.77	5.12	5.91	-	-	0.59	6.18	6.69	7.56	5.20	0.20	1.57	1.57	3.27	8.54	3.15	0.55	3.58	3.58	3.43	0.22
K0652	5.51	1.18	1.77	4.72	6.30	-	-	0.79	6.69	6.93	8.19	5.51	0.51	2.17	1.89	3.54	9.17	3.54	0.55	3.58	3.58	3.70	0.20
K0752	6.50	1.57	2.17	5.91	7.87	-	-	1.06	7.87	8.27	10.35	7.09	0.98	2.36	2.17	4.13	11.34	4.41	0.71	3.58	3.58	4.29	0.20
K0852	7.09	2.17	2.76	7.09	9.17	-	-	1.18	9.06	10.08	12.17	8.35	0.59	2.99	2.99	4.72	13.43	5.20	0.91	4.53	3.66	4.88	0.20
K0952	8.27	2.95	2.95	9.45	11.61	-	-	1.38	11.42	13.39	15.55	10.43	0.39	3.94	3.94	5.91	16.54	6.30	1.06	4.53	3.66	6.06	0.20
K1052	10.63	3.74	3.74	11.02	14.17	-	-	1.57	13.39	15.35	17.91	12.40	1.61	4.33	4.53	6.89	20.20	7.87	1.34	5.51	6.10	7.09	0.20
K1252	12.99	4.53	4.33	13.78	16.54	-	-	1.77	15.75	18.50	21.26	14.76	2.56	4.72	4.72	8.07	23.23	8.86	1.54	5.51	6.10	8.27	0.20
K1552	16.54	5.51	5.12	14.96	19.69	-	-	1.97	19.69	21.26	25.59	17.72	3.35	5.71	5.51	9.84	27.95	11.02	1.54	5.51	6.10	10.04	0.00
K1652	18.90	7.87	4.53	21.26	21.26	10.63	10.63	1.97	22.05	26.77	26.38	19.69	3.94	5.51	4.80	12.01	31.50	12.40	1.30	9.06	9.45	12.20	0.98

Size	D	m	m1	m2	m3	T	U	v4
K0352	1.251 / 1.250	2.07	4.72	4.13	1.26	1.38	0.250	0.375 UNF x 2
K0452	1.376 / 1.375	2.60	5.91	5.20	1.38	1.53	0.313	0.5 UNF x 2.25
K0552	1.501 / 1.500	2.87	6.54	5.59	1.51	1.68	0.375	0.625 UNF x 2.75
K0652	1.501 / 1.500	3.15	7.09	6.14	1.51	1.68	0.375	0.625 UNF x 2.75
K0752	2.001 / 2.000	3.64	8.27	7.20	2.02	2.23	0.500	0.625 UNF x 2.75
K0852	2.376 / 2.375	4.13	9.45	8.27	2.38	2.66	0.625	0.75 UNF x 3.25
K0952	2.751 / 2.750	5.22	11.81	10.63	2.77	3.04	0.625	0.75 UNF x 3.25
K1052	3.251 / 3.250	6.10	13.78	12.32	3.27	3.59	0.750	0.75 UNF x 3.25
K1252	4.001 / 4.000	7.09	16.14	14.69	4.02	4.45	1.000	1.0 UNF x 4.5
K1552	4.501 / 4.500	7.09	19.69	18.11	4.60	4.95	1.000	1.0 UNF x 4.5
K1652	5.252 / 5.250	7.09	24.02	22.44	5.35	5.81	1.250	1.0 UNF x 4.5

Motor	Size		K0352	K0452	K0552	K0652	K0752	K0852	K0952	K1052	K1252	K1552	K1652
	k0	g	K1	K1	K1	K1	K1	K1	K1	K1	K1	K1	K1
56C	12.00	6.88	18.62	19.72	22.28	23.07	25.39	29.80	32.32	38.07	43.07	45.35	-
143-145TC	12.00	7.19	18.62	19.72	22.28	23.07	25.39	29.80	32.32	38.07	43.07	45.35	-
182-184TC	15.50	8.68	18.31	19.41	21.97	22.76	25.08	30.79	33.31	38.43	43.43	45.71	62.80
213-215TC	16.50	10.25	-	-	-	-	-	30.79	33.31	38.43	43.43	45.71	62.80
254-256TC	20.00	12.88	-	-	-	-	-	-	-	38.35	43.35	45.63	64.17
284-286TC	23.25	14.63	-	-	-	-	-	-	-	-	-	-	64.29
324-326TC	25.25	16.50	-	-	-	-	-	-	-	-	-	-	64.96

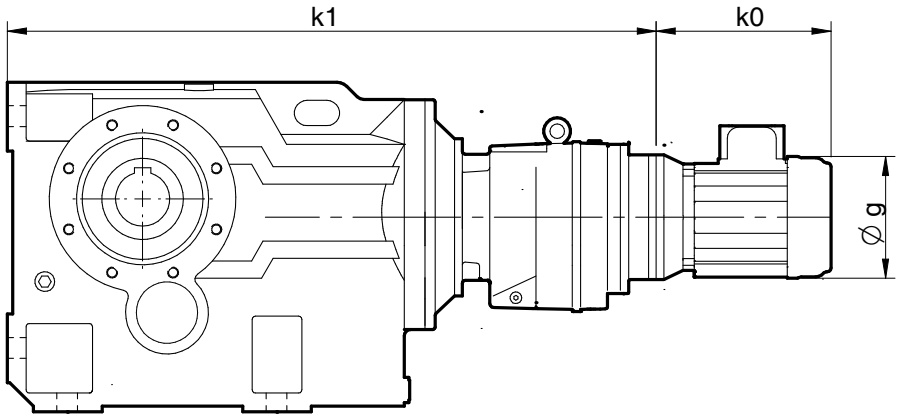
DIMENSIONS
UNITS WITH COMPACT MOTOR

Triple Reduction



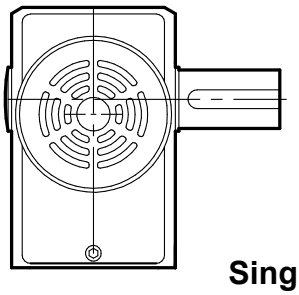
Size		K0332		K0432		K0532		K0632		K0732		K0832	
Motor	**g**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**
0.33 HP	5.51	8.74	9.06	9.84	9.06	-	-	-	-	-	-	-	-
0.50 HP	5.51	8.74	9.06	9.84	9.06	-	-	-	-	-	-	-	-
0.75 HP	6.22	8.74	11.02	9.84	11.02	11.77	10.43	12.56	10.43	-	-	-	-
1.00 HP	6.22	8.74	11.81	9.84	11.81	11.77	11.22	12.56	11.22	-	-	-	-
1.50 HP	7.09	8.74	12.99	9.84	12.99	11.77	12.40	12.56	12.40	14.84	11.81	-	-
2.00 HP	7.09	8.74	14.37	9.84	14.37	11.77	13.78	12.56	13.78	14.84	13.19	-	-
3.00 HP	7.80	-	-	-	-	11.77	13.98	12.56	13.98	14.84	13.39	18.19	13.19
4.00 HP	7.80	-	-	-	-	11.77	14.37	12.56	14.37	14.84	13.78	18.19	13.78
5.50 HP	8.74	-	-	-	-	11.77	16.73	12.56	16.73	14.84	16.14	18.19	15.75
7.50 HP	10.31	-	-	-	-	11.77	19.49	12.56	19.49	14.84	18.90	18.19	18.70
10.0 HP	10.31	-	-	-	-	-	-	-	-	14.84	18.90	18.19	18.70

Quintuple Reduction

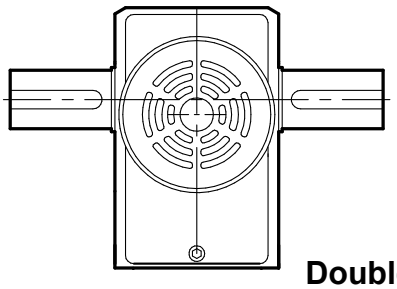


Size		K0352		K0452		K0552		K0652		K0752		K0852		K0952		K1052		K1252		K1552	
Motor	**g**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**	**k1**	**k0**
0.33 HP	5.51	16.06	9.06	17.17	9.06	19.72	9.06	20.51	9.06	22.83	9.06	-	-	-	-	-	-	-	-	-	-
0.50 HP	5.51	16.06	9.06	17.17	9.06	19.72	9.06	20.51	9.06	22.83	9.06	-	-	-	-	-	-	-	-	-	-
0.75 HP	6.22	16.06	11.02	17.17	11.02	19.72	11.02	20.51	11.02	22.83	11.02	27.83	10.43	30.35	10.43	-	-	-	-	-	-
1.00 HP	6.22	16.06	11.81	17.17	11.81	19.72	11.81	20.51	11.81	22.83	11.81	27.83	11.22	30.35	11.22	-	-	-	-	-	-
1.50 HP	7.09	16.06	12.99	17.17	12.99	19.72	12.99	20.51	12.99	22.83	12.99	27.83	12.40	30.35	12.40	-	-	-	-	-	-
2.00 HP	7.09	16.06	14.37	17.17	14.37	19.72	14.37	20.51	14.37	22.83	14.37	27.83	13.78	30.35	13.78	-	-	-	-	-	-
3.00 HP	7.80	-	-	-	-	-	-	-	-	-	-	27.83	13.98	30.35	13.98	36.02	13.19	41.02	13.19	43.31	13.19
4.00 HP	7.80	-	-	-	-	-	-	-	-	-	-	27.83	14.37	30.35	14.37	36.02	13.78	41.02	13.78	43.31	13.78
5.50 HP	8.74	-	-	-	-	-	-	-	-	-	-	27.83	16.73	30.35	16.73	36.02	15.75	41.02	15.75	43.31	15.75
7.50 HP	10.31	-	-	-	-	-	-	-	-	-	-	27.83	19.49	30.35	19.49	36.02	18.70	41.02	18.70	43.31	18.70
10.0 HP	10.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.02	18.70	41.02	18.70	43.31	18.70

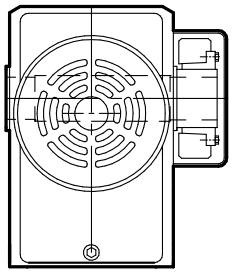
OPTIONS



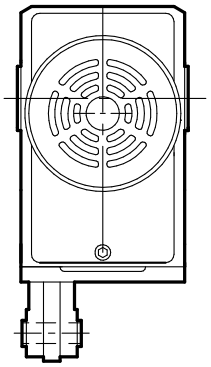
Single Extended Output Shaft



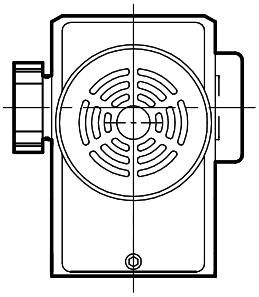
Double Extended Output Shaft



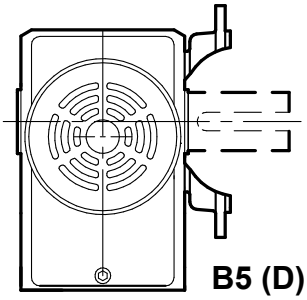
Shrink Disk



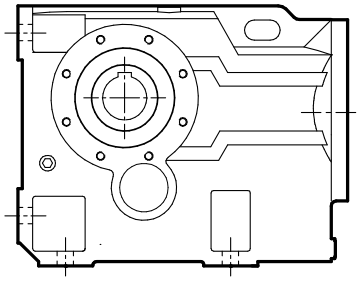
Torque Bracket



Taper Release Bushing



B5 (D) Flange Mounting

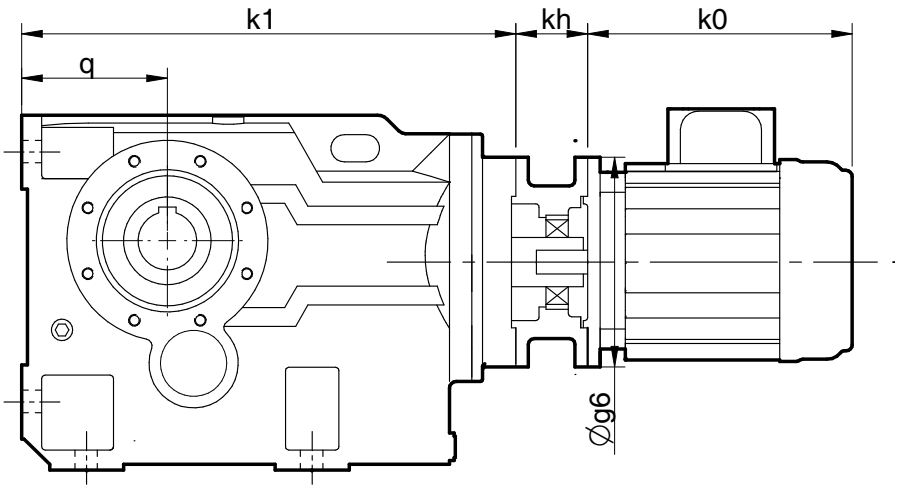


B14 (C) Flange Mounting

MOTORIZED BACKSTOP MODULE

Motorised backstop modules can be fitted between the gear unit and motor.
The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (rpm).
To ensure correct operation motor speed must exceed lift off speed.

Suitable for ambient temperature -40°F to + 120°F



Warning

Removal of motor or backstop will release the drive. Ensure all driven machinery is secure prior to any maintenance work

IEC B5 Flange

Motor Frame Size	Lift off speed 'n' min (rpm)	Rated locking torque 'T max' (at motor) lb.in	øg6	kh
100	670	1500	9.85"	2.76"
112	670	1500	9.85"	2.76"
132	620	8320	11.81"	3.74"
160	620	8320	13.78"	5.12"
180	620	8320	13.78"	5.12"
200	550	11150	15.75"	5.12"

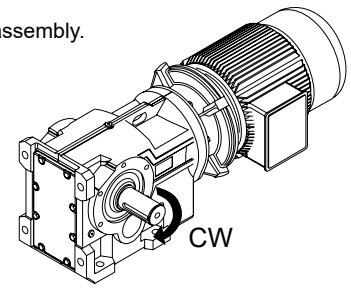
NEMA C Flange

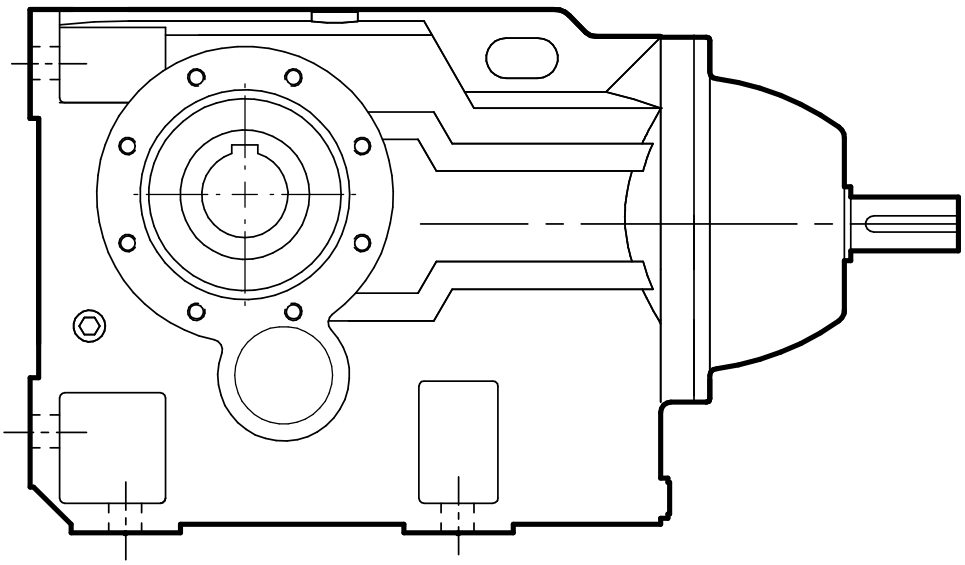
Motor Frame Size	Lift off speed 'n' min (rpm)	Rated locking torque 'T max' (at motor) lb.in	øg6	kh
182TC / 184TC	670	2655	9.00"	3.75"
213TC / 215 TC	670	2655	9.00"	3.75"
254TC / 256TC	620	8320	9.00"	4.75"
284TC / 286TC	620	8320	11.00"	5.38"
324TC / 326TC	550	11150	13.00"	6.00"

When a backstop module is fitted dimension Kh should be added to the overall length of the geared motor assembly.

Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise





REDUCER

SERIES K

OVERHUNG & AXIAL LOADS ON SHAFTS

Maximum Permissible Overhung Loads

When a sprocket, gear etc. is mounted on the shaft a calculation, as below, must be made to determine the overhung load on the shaft, and the results compared to the maximum permissible overhung loads tabulated. Overhung loads can be reduced by increasing the diameter of the sprocket, gear, etc. If the maximum permissible overhung load is exceeded, the sprocket, gear, etc. should be mounted on a separate shaft, flexibly coupled and supported in its own bearings, or the gear unit shaft should be extended to run in an outboard bearing, alternatively a larger gear is often a less expensive solution.

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavourable direction with the unit transmitting full rated power and the load P applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to Application Engineering for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life.

All units will accept 100% momentary overload on stated capacities.

Overhung Load (lbf)

$$P = \frac{HP \times 63000 \times K}{N \times R}$$

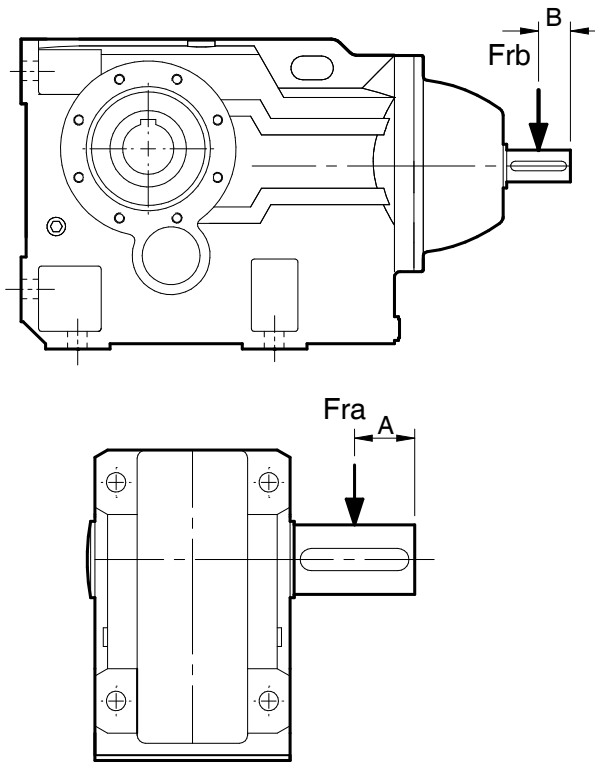
Where

P	=	equivalent overhung load (lbf)
kW	=	power transmitted by the shaft (HP)
N	=	speed of shaft (rev/min)
R	=	pitch radius of sprocket, etc. (inches)
K	=	factor

Note: 1 lbf = 4.45 Newton

Overhung Member	K (factor)
Chain sprocket*	1.00
Spur or helical pinion	1.25
Vee belt sheave	1.50
Flat belt pulley	2.00

* If multistrand chain drives are equally loaded and the outer strand is further than dimension A output or B input, refer to Application Engineering.



Distance Midway Along the Shaft Extension

Size	Number of Reductions	Dimesion A (inches)	Dimension B (inches)
K03	3	0.98	0.79
	5		
K04	3	1.10	0.79
	5		
K05	3	1.30	0.79
	5		
K06	3	1.50	0.79
	5		
K07	3	1.87	0.98
	5		0.79
K08	3	1.97	1.18
	5		0.79
K09	3	2.17	1.57
	5		0.70
K10	3	2.76	2.17
	5		0.98
K12	3	3.54	2.17
	5		0.98
K15	3	4.13	2.17
	5		0.98
K16	3	4.92	2.75
	5		1.57

Axial Thrust Capacities (lbf)

No check or calculation is required if the axial thrust load (FA) towards or away from the unit is under 50% of the permissible overhung load. If the axial thrust considerably exceeds these values or if there is a combination of axial thrust loads and overhung loads please contact our Application Engineers.

For Output Shaft Overhung Loads (Fra) Consult the Ratings Tables

Inputshaft Overhung Loads, Frb (lbf) 1750 rpm

Size	K03	K04	K05	K06	K07	K08	K09	K10	K12	K15	K16
3 Stage	340	340	280	240	470	700	790	1010	2700	2700	2700
5 Stage	340	340	340	340	340	340	340	405	405	405	500

THERMAL POWER RATING

Thermal Ratings HP

Thermal ratings are a measure of the units ability to dissipate heat, if they are exceeded the lubricant may break down resulting in premature gear failure.

Thermal rating are based on an ambient temperature of 77°F, where units are to operate in other ambient temperatures thermal ratings must be adjusted by the following factors

Note!
When checking thermal capacities use actual load required to be transmitted, and not the rating of prime mover.

Ambient Temp Modifing Factor Ft

-4°F	14°F	32°F	50°F	68°F	77°F	95°F	104°F	113°F	122°F
1.54	1.42	1.30	1.18	1.06	1.00	0.88	0.82	0.76	0.70

Units Operating in Mounting Position's 5 & 6

Thermal ratings for position's 5 & 6 are reduced to 70% of the tabulated values.
Minimum ratio's permitted for positions 5 & 6 are dependant on input speed (rpm) and unit size - see table

Minimum Ratio - Position's 5 & 6

	< 1000	< 1500	< 1800
K03 - K08	All	All	All
K09	All	11:1	14:1
K10	11:1	20:1	25:1
K12 - K18	16:1	32:1	36:1

K

Non-Cooled Units

	n1	i (:1)																				
	(rpm)	8.0	11	12	14	18	20	25	28	32	36	40	45	50	63	71	80	100	112	125	140
	3500	-	-	-	-	-	-	6.5	6.6	6.2	5.9	5.8	5.7	5.5	5.3	5.2	5.3	5.2	5.0	4.7	-
K0332	1750	7.0	7.2	7.3	7.8	7.8	7.8	8.0	8.0	7.6	7.2	7.0	7.0	6.8	6.5	6.3	6.5	6.3	6.0	5.7	-
	1160	7.4	7.6	7.7	8.2	8.2	8.3	8.4	8.5	8.0	7.6	7.5	7.4	7.2	6.9	6.7	6.8	6.7	6.4	6.0	-
	3500	-	-	-	-	-	-	8.5	8.3	8.5	8.0	8.2	8.2	8.1	7.8	7.5	7.1	7.5	7.3	6.8	-
K0432	1750	9.6	10	10	10	11	11	10	10	10	10	10	10	9.9	9.6	9.1	8.6	9.1	8.9	8.3	-
	1160	10	11	11	11	11	11	11	11	11	10	11	11	10	10	9.6	9.1	9.6	9.5	8.7	-
	3500	-	-	-	-	-	-	12	12	12	12	12	12	12	11	11	11	10	10	9.9	-
K0532	1750	14	15	14	15	15	15	15	15	15	15	14	14	14	14	13	13	13	13	12	-
	1160	15	16	15	16	16	16	15	16	16	15	15	15	15	14	14	14	14	13	13	-
	3500	-	-	-	-	-	-	14	14	13	13	13	13	13	12	12	12	11	11	10	-
K0632	1750	15	16	17	16	17	16	17	16	16	16	16	16	15	15	14	14	13	13	13	-
	1160	16	17	18	17	18	17	18	17	17	17	17	17	16	16	15	15	14	14	13	-
	3500	-	-	-	-	-	-	19	19	18	17	17	17	17	16	16	16	15	14	14	-
K0732	1750	20	21	22	23	22	24	23	23	22	21	21	21	21	20	20	19	18	17	17	-
	1160	21	22	24	24	24	25	24	24	23	22	22	22	22	21	21	20	19	18	18	-
	3500	-	-	-	-	-	-	23	23	22	22	22	22	21	21	20	21	20	20	19	-
K0832	1750	25	27	27	27	27	27	28	28	27	26	26	26	26	25	25	25	24	24	23	-
	1160	27	28	29	28	29	29	30	30	29	28	28	28	28	27	26	27	25	25	24	-
	3500	-	-	-	-	-	-	35	34	34	33	32	33	32	31	31	31	29	29	28	-
K0932	1750	38	40	41	40	41	41	42	42	41	40	40	40	39	38	37	38	36	36	34	-
	1160	40	42	43	43	44	44	45	44	43	42	42	42	41	40	40	40	38	38	36	-
	3500	-	-	-	-	-	-	-	-	48	47	48	47	46	47	45	44	43	41	40	-
K1032	1750	54	58	57	58	58	58	58	59	59	57	59	57	56	57	55	54	53	50	49	-
	1160	57	61	60	61	62	62	62	63	62	60	62	60	60	60	58	57	56	53	51	-
	3500	-	-	-	-	-	-	-	-	65	64	63	61	61	57	55	53	57	56	56	-
K1232	1750	78	82	82	82	84	79	78	79	79	78	77	74	74	70	67	65	70	68	69	-
	1160	83	87	87	87	88	83	83	83	83	83	81	78	78	74	70	69	74	72	73	-
	3500	-	-	-	-	-	-	-	-	72	71	70	69	69	67	64	62	68	63	63	61
K1532	1750	-	96	97	101	102	102	99	94	92	91	90	89	88	85	82	79	86	81	81	78
	1160	-	97	98	102	103	103	100	95	93	92	91	90	89	86	82	80	87	82	82	78
	3500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K1632	1750	-	-	144	142	141	137	134	129	125	123	121	119	124	121	121	113	108	-	106	-
	1160	-	-	152	150	149	145	142	137	133	130	128	126	131	128	128	119	114	-	113	-

Fan Cooled Units

	n1	i (:1)																				
	(rpm)	8.0	11	12	14	18	20	25	28	32	36	40	45	50	63	71	80	100	112	125	140
	1750	25	27	28	29	28	30	29	29	28	27	27	27	26	26	25	24	23	22	22	-
K0732	1450	24	25	26	27	26	28	27	27	26	25	25	25	24	24	23	23	22	21	20	-
	1160	22	23	25	25	25	26	25	25	24	23	23	23	23	22	22	21	20	19	19	-
	1750	33	32	33	34	35	35	36	37	34	34	35	34	34	33	32	32	32	40	29	-
K0832	1450	31	30	31	32	33	32	34	35	32	32	32	32	32	31	30	29	30	38	27	-
	1160	29	28	29	30	31	30	32	33	30	30	30	30	29	29	28	27	27	35	25	-
	1750	49	51	52	51	52	52	54	54	52	50	50	50	50	49	48	48	46	46	43	-
K0932	1450	45	47	49	48	49	49	50	50	49	47	47	47	47	45	44	45	43	43	40	-
	1160	42	44	45	44	46	46	47	46	45	44	44	44	43	42	41	42	40	40	38	-
	1750	68	74	73	74	74	74	74	75	75	72	75	73	72	72	70	68	67	64	62	-
K1032	1450	64	69	68	69	69	69	69	70	70	67	70	68	67	67	66	64	63	60	58	-
	1160	59	64	63	64	64	64	64	66	65	63	65	63	62	63	61	59	58	56	54	-
	1750	95	100	99	100	101	95	95	96	96	95	93	90	90	84	81	79	85	82	83	-
K1232	1450	89	93	93	93	95	89	89	89	89	89	87	84	84	79	75	73	79	77	78	-
	1160	82	87	86	87	88	83	83	83	83	82	81	78	78	73	70	68	74	72	72	-
	1750	-	116	117	122	124	124	120	114	112	111	109	108	107	103	99	96	105	99	99	94
K1532	1450	-	109	110	114	116	116	112	107	104	103	102	101	100	97	93	90	98	92	92	88
	1160	-	101	102	106	108	107	105	99	97	96	95	94	93	90	86	83	91	86	86	82
	1750	-	-	196	194	192	186	183	177	171	168	165	163	169	165	166	154	147	-	145	-
K1632	1450	-	-	183	181	179	174	171	165	160	157	154	152	158	154	155	144	138	-	136	-
	1160	-	-	170	168	167	162	159	153	149	146	143	141	147	143	144	134	128	-	126	-

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K0332	8.0	8.328	210	1190	4.11	643	139	1290	2.95	737	420	971	6.78	568	105	1370	2.36	822
	11.	11.25	156	1340	3.43	686	103	1460	2.47	807	311	1130	5.83	582	78	1540	1.96	902
	12.	12.80	137	1400	3.15	716	91	1520	2.26	842	274	1200	5.42	590	68	1600	1.80	942
	14.	14.50	121	1470	2.92	744	80	1590	2.09	876	241	1270	5.08	594	60	1680	1.66	979
	18.	18.54	94	1590	2.46	810	63	1720	1.76	954	189	1380	4.30	616	47	1810	1.40	1070
	20.	19.98	88	1630	2.35	829	58	1760	1.68	978	175	1420	4.10	627	44	1860	1.34	1090
	25.	25.23	69	1740	1.98	902	46	1880	1.42	1060	139	1520	3.48	682	35	1990	1.13	1190
	28.	28.60	61	1800	1.81	944	41	1950	1.30	1110	122	1570	3.18	714	31	1990	1.00	1250
	32.	32.68	54	1860	1.64	992	35	1990	1.16	1170	107	1630	2.88	750	27	1990	0.88	1330
	36.	36.35	48	1910	1.52	1030	32	1990	1.05	1230	96	1680	2.67	780	24	1990	0.79	1350
	40.	40.08	44	1960	1.41	1070	29	1990	0.95	1280	87	1720	2.47	810	22	1990	0.71	1350
	45.	44.11	40	1990	1.30	1110	26	1990	0.86	1340	79	1760	2.30	840	20	1990	0.65	1350
	50.	51.68	34	1990	1.11	1190	22	1990	0.74	1350	68	1820	2.04	893	17	1990	0.56	1350
	63.	62.00	28	1990	0.93	1300	19	1990	0.62	1350	56	1900	1.77	958	14	1990	0.46	1350
	71.	72.27	24	1990	0.80	1350	16	1990	0.53	1350	48	1930	1.55	1020	12	1990	0.40	1350
	80.	80.30	22	1940	0.70	1350	14	1990	0.48	1350	44	1820	1.31	1110	11	1990	0.36	1350
	100	96.70	18	1640	0.49	1350	12	1640	0.33	1350	36	1610	0.96	1260	9.0	1640	0.25	1350
	112	110.8	16	1410	0.37	1350	10	1410	0.24	1350	32	1410	0.74	1350	7.9	1410	0.18	1350
	125	126.0	14	1380	0.32	1350	9.2	1390	0.21	1350	28	1290	0.59	1350	6.9	1390	0.16	1350
K0352	125	127.8	14	1990	0.46	1350	9.1	1990	0.30	1350	27	1990	0.91	1350	5.7	1990	0.19	1350
	140	145.3	12	1990	0.40	1350	8.0	1990	0.27	1350	24	1990	0.80	1350	5.0	1990	0.17	1350
	160	164.7	11	1990	0.35	1350	7.0	1990	0.23	1350	21	1990	0.71	1350	4.4	1990	0.15	1350
	200	210.6	8.3	1990	0.28	1350	5.5	1990	0.18	1350	17	1990	0.55	1350	3.4	1990	0.11	1350
	250	226.9	7.7	1990	0.26	1350	5.1	1990	0.17	1350	15	1990	0.51	1350	3.2	1990	0.11	1350
	280	286.5	6.1	1990	0.20	1350	4.0	1990	0.13	1350	12	1990	0.41	1350	2.5	1990	0.084	1350
	320	324.8	5.4	1990	0.18	1350	3.6	1990	0.12	1350	11	1990	0.36	1350	2.2	1990	0.074	1350
	360	371.2	4.7	1990	0.16	1350	3.1	1990	0.10	1350	9.4	1990	0.31	1350	2.0	1990	0.065	1350
	400	412.9	4.2	1990	0.14	1350	2.8	1990	0.093	1350	8.5	1990	0.28	1350	1.8	1990	0.058	1350
	450	455.2	3.8	1990	0.13	1350	2.5	1990	0.085	1350	7.7	1990	0.26	1350	1.6	1990	0.053	1350
	500	516.1	3.4	1990	0.11	1350	2.2	1990	0.075	1350	6.8	1990	0.23	1350	1.4	1990	0.047	1350
	560	568.0	3.1	1990	0.10	1350	2.0	1990	0.068	1350	6.2	1990	0.20	1350	1.3	1990	0.042	1350
	630	649.0	2.7	1990	0.090	1350	1.8	1990	0.059	1350	5.4	1990	0.18	1350	1.1	1990	0.037	1350
	700	704.2	2.5	1990	0.083	1350	1.6	1990	0.055	1350	5.0	1990	0.17	1350	1.0	1990	0.034	1350
	800	798.3	2.2	1990	0.073	1350	1.5	1990	0.048	1350	4.4	1990	0.15	1350	0.91	1990	0.030	1350
	900	912.3	1.9	1990	0.064	1350	1.3	1990	0.042	1350	3.8	1990	0.13	1350	0.79	1990	0.026	1350
	10C	1015	1.7	1990	0.057	1350	1.1	1990	0.038	1350	3.4	1990	0.11	1350	0.71	1990	0.024	1350
	11C	1119	1.6	1990	0.052	1350	1.0	1990	0.034	1350	3.1	1990	0.10	1350	0.65	1990	0.022	1350
	12C	1183	1.5	1990	0.049	1350	1.0	1990	0.033	1350	3.0	1990	0.098	1350	0.61	1990	0.020	1350
	14C	1423	1.2	1990	0.041	1350	0.82	1990	0.027	1350	2.5	1990	0.082	1350	0.51	1990	0.017	1350
	16C	1583	1.1	1990	0.037	1350	0.73	1990	0.024	1350	2.2	1990	0.073	1350	0.46	1990	0.015	1350
	18C	1745	1.0	1990	0.033	1350	0.66	1990	0.022	1350	2.0	1990	0.067	1350	0.42	1990	0.014	1350
	20C	2000	0.87	1990	0.029	1350	0.58	1990	0.019	1350	1.7	1990	0.058	1350	0.36	1990	0.012	1350
	22C	2250	0.78	1990	0.026	1350	0.52	1990	0.017	1350	1.6	1990	0.052	1350	0.32	1990	0.011	1350
	25C	2579	0.68	1990	0.023	1350	0.45	1990	0.015	1350	1.4	1990	0.045	1350	0.28	1990	0.009	1350
	28C	2699	0.65	1990	0.022	1350	0.43	1990	0.014	1350	1.3	1990	0.043	1350	0.27	1990	0.009	1350
	32C	3094	0.57	1990	0.019	1350	0.37	1990	0.012	1350	1.1	1990	0.038	1350	0.23	1990	0.008	1350
	36C	3516	0.50	1990	0.017	1350	0.33	1990	0.011	1350	1.0	1990	0.033	1350	0.21	1990	0.007	1350
	40C	4007	0.44	1990	0.015	1350	0.29	1990	0.010	1350	0.87	1990	0.029	1350	0.18	1990	0.006	1350
	45C	4554	0.38	1990	0.013	1350	0.25	1990	0.008	1350	0.77	1990	0.026	1350	0.16	1990	0.005	1350
	50C	4826	0.36	1990	0.012	1350	0.24	1990	0.008	1350	0.73	1990	0.024	1350	0.15	1990	0.005	1350
	56C	5485	0.32	1990	0.011	1350	0.21	1990	0.007	1350	0.64	1990	0.021	1350	0.13	1990	0.004	1350
	63C	6286	0.28	1990	0.009	1350	0.18	1990	0.006	1350	0.56	1990	0.019	1350	0.12	1990	0.004	1350
	71C	7144	0.24	1990	0.008	1350	0.16	1990	0.005	1350	0.49	1990	0.016	1350	0.10	1990	0.003	1350

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K0432	8.0	8.054	217	2130	7.64	811	144	2350	5.56	909	435	1720	12.50	723	109	2480	4.44	1020
	11.	11.30	155	2490	6.35	847	103	2710	4.57	1000	310	2060	10.60	736	77	2840	3.61	1130
	12.	12.45	141	2580	5.98	873	93	2800	4.28	1030	281	2160	10.10	740	70	2940	3.39	1160
	14.	14.14	124	2700	5.51	909	82	2910	3.93	1080	248	2290	9.38	746	62	3070	3.12	1210
	18.	17.95	97	2930	4.69	985	65	3140	3.34	1170	195	2540	8.19	758	49	3320	2.66	1310
	20.	20.40	86	3030	4.28	1030	57	3280	3.06	1220	172	2660	7.54	769	43	3460	2.44	1350
	25.	25.03	70	3230	3.71	1110	46	3490	2.66	1310	140	2830	6.55	826	35	3680	2.11	1350
	28.	27.76	63	3320	3.44	1150	42	3590	2.46	1350	126	2920	6.08	858	32	3780	1.96	1350
	32.	31.54	55	3430	3.14	1210	37	3710	2.25	1350	111	3020	5.55	899	28	3820	1.74	1350
	36.	35.83	49	3650	2.94	1250	32	3820	2.04	1350	98	3220	5.20	926	24	3820	1.54	1350
	40.	39.46	44	3640	2.66	1310	29	3820	1.85	1350	89	3190	4.68	982	22	3820	1.39	1350
	45.	45.39	39	3760	2.39	1350	26	3820	1.61	1350	77	3300	4.20	1040	19	3820	1.21	1350
	50.	49.35	35	3820	2.24	1350	24	3820	1.48	1350	71	3370	3.95	1070	18	3820	1.12	1350
	63.	59.24	30	3820	1.86	1350	20	3820	1.24	1350	59	3510	3.44	1150	15	3820	0.93	1350
	71.	71.09	25	3820	1.56	1350	16	3820	1.03	1350	49	3650	2.98	1240	12	3820	0.78	1350
	80.	80.10	22	3820	1.39	1350	14	3820	0.88	1350	44	3670	2.67	1320	11	3820	0.69	1350
	100	93.12	19	3630	1.14	1350	12	3760	0.75	1350	38	3520	2.21	1350	9.4	3820	0.59	1350
	112	105.7	17	3710	1.04	1350	11	3710	0.67	1350	33	3700	2.02	1350	8.3	3820	0.52	1350
	125	120.2	15	3820	0.95	1350	9.7	3820	0.61	1350	29	3820	1.83	1350	7.3	3820	0.46	1350
K0452	125	134.4	13	3820	0.83	1350	8.6	3820	0.55	1350	26	3820	1.66	1350	5.4	3820	0.34	1350
	140	148.0	12	3820	0.75	1350	7.8	3820	0.50	1350	24	3820	1.51	1350	4.9	3820	0.31	1350
	160	170.2	10	3820	0.66	1350	6.8	3820	0.43	1350	21	3820	1.31	1350	4.3	3820	0.27	1350
	200	199.9	8.8	3820	0.56	1350	5.8	3820	0.37	1350	18	3820	1.12	1350	3.6	3820	0.23	1350
	250	257.6	6.8	3820	0.43	1350	4.5	3820	0.29	1350	14	3820	0.87	1350	2.8	3820	0.18	1350
	280	284.3	6.2	3820	0.39	1350	4.1	3820	0.26	1350	12	3820	0.79	1350	2.5	3820	0.16	1350
	320	322.4	5.4	3820	0.35	1350	3.6	3820	0.23	1350	11	3820	0.69	1350	2.2	3820	0.14	1350
	360	355.0	4.9	3820	0.31	1350	3.3	3820	0.21	1350	9.9	3820	0.63	1350	2.0	3820	0.13	1350
	400	407.0	4.3	3820	0.27	1350	2.8	3820	0.18	1350	8.6	3820	0.55	1350	1.8	3820	0.11	1350
	450	448.2	3.9	3820	0.25	1350	2.6	3820	0.17	1350	7.8	3820	0.50	1350	1.6	3820	0.10	1350
	500	508.1	3.4	3820	0.22	1350	2.3	3820	0.15	1350	6.9	3820	0.44	1350	1.4	3820	0.091	1350
	560	580.7	3.0	3820	0.19	1350	2.0	3820	0.13	1350	6.0	3820	0.38	1350	1.2	3820	0.080	1350
	630	645.9	2.7	3820	0.17	1350	1.8	3820	0.11	1350	5.4	3820	0.35	1350	1.1	3820	0.072	1350
	700	712.1	2.5	3820	0.16	1350	1.6	3820	0.10	1350	4.9	3820	0.31	1350	1.0	3820	0.065	1350
	800	807.8	2.2	3820	0.14	1350	1.4	3820	0.092	1350	4.3	3820	0.28	1350	0.90	3820	0.057	1350
	900	890.6	2.0	3820	0.13	1350	1.3	3820	0.083	1350	3.9	3820	0.25	1350	0.81	3820	0.052	1350
	10C	1000	1.7	3820	0.11	1350	1.2	3820	0.074	1350	3.5	3820	0.22	1350	0.72	3820	0.046	1350
	11C	1102	1.6	3820	0.10	1350	1.1	3820	0.067	1350	3.2	3820	0.20	1350	0.66	3820	0.042	1350
	12C	1267	1.4	3820	0.088	1350	0.9	3820	0.058	1350	2.8	3820	0.18	1350	0.57	3820	0.037	1350
	14C	1427	1.2	3820	0.078	1350	0.81	3820	0.052	1350	2.5	3820	0.16	1350	0.51	3820	0.032	1350
	16C	1606	1.1	3820	0.070	1350	0.72	3820	0.046	1350	2.2	3820	0.14	1350	0.45	3820	0.029	1350
	18C	1784	1.0	3820	0.063	1350	0.65	3820	0.041	1350	2.0	3820	0.13	1350	0.41	3820	0.026	1350
	20C	1976	0.89	3820	0.056	1350	0.59	3820	0.037	1350	1.8	3820	0.11	1350	0.37	3820	0.023	1350
	22C	2265	0.77	3820	0.049	1350	0.51	3820	0.033	1350	1.5	3820	0.099	1350	0.32	3820	0.020	1350
	25C	2463	0.71	3820	0.045	1350	0.47	3820	0.030	1350	1.4	3820	0.091	1350	0.29	3820	0.019	1350
	28C	2799	0.63	3820	0.040	1350	0.41	3820	0.026	1350	1.3	3820	0.080	1350	0.26	3820	0.017	1350
	32C	3360	0.52	3820	0.033	1350	0.35	3820	0.022	1350	1.0	3820	0.066	1350	0.22	3820	0.014	1350
	36C	3548	0.49	3820	0.031	1350	0.33	3820	0.021	1350	1.0	3820	0.063	1350	0.20	3820	0.013	1350
	40C	3998	0.44	3820	0.028	1350	0.29	3820	0.019	1350	0.88	3820	0.056	1350	0.18	3820	0.012	1350
	45C	4543	0.39	3820	0.025	1350	0.26	3820	0.016	1350	0.77	3820	0.049	1350	0.16	3820	0.010	1350
	50C	4647	0.38	3820	0.024	1350	0.25	3820	0.016	1350	0.75	3820	0.048	1350	0.16	3820	0.010	1350
	56C	5281	0.33	3820	0.021	1350	0.22	3820	0.014	1350	0.66	3820	0.042	1350	0.14	3820	0.009	1350
	63C	5994	0.29	3820	0.019	1350	0.19	3820	0.012	1350	0.58	3820	0.037	1350	0.12	3820	0.008	1350
	71C	6815	0.26	3820	0.016	1350	0.17	3820	0.011	1350	0.51	3820	0.033	1350	0.11	3820	0.007	1350

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K0532	8.0	8.112	216	3340	11.90	581	143	3760	8.84	633	431	2700	19.50	537	108	3980	7.05	725
	11.	11.40	153	3930	9.93	569	102	4280	7.15	697	307	3180	16.20	522	77	4460	5.61	813
	12.	12.78	137	4090	9.23	588	91	4430	6.60	727	274	3350	15.20	518	68	4620	5.19	846
	14.	14.35	122	4250	8.54	611	81	4570	6.06	762	244	3520	14.30	513	61	4800	4.80	880
	18.	18.22	96	4580	7.23	668	64	4880	5.11	837	192	3890	12.40	504	48	5150	4.06	961
	20.	20.66	85	4710	6.57	708	56	5060	4.67	879	169	4080	11.50	499	42	5340	3.71	1010
	25.	24.64	71	4910	5.74	768	47	5310	4.11	944	142	4340	10.20	522	36	5600	3.26	1080
	28.	28.37	62	5090	5.17	816	41	5510	3.70	1000	123	4510	9.21	555	31	5790	2.93	1150
	32.	32.99	53	5290	4.62	871	35	5720	3.30	1070	106	4690	8.23	593	27	5790	2.52	1270
	36.	36.91	47	5560	4.34	891	31	5790	2.99	1140	95	4930	7.73	605	24	5790	2.26	1360
	40.	39.34	44	5520	4.04	941	29	5790	2.81	1180	89	4880	7.18	648	22	5790	2.12	1410
	45.	46.63	38	5740	3.55	1020	25	5790	2.37	1320	75	5030	6.24	712	19	5790	1.79	1560
	50.	49.78	35	5790	3.35	1050	23	5790	2.22	1370	70	5110	5.94	735	18	5790	1.67	1620
	63.	61.78	28	5790	2.71	1220	19	5790	1.79	1560	57	5360	5.02	815	14	5790	1.35	1690
	71.	72.85	24	5790	2.30	1350	16	5790	1.52	1690	48	5560	4.42	882	12	5790	1.15	1690
	80.	79.77	22	5790	2.10	1420	15	5790	1.39	1690	44	5670	4.12	921	11	5790	1.05	1690
	100	97.76	18	5790	1.72	1600	12	5790	1.14	1690	36	5790	3.44	1040	9.0	5790	0.86	1690
	112	109.0	16	5790	1.54	1690	11	5790	1.02	1690	32	5790	3.09	1120	8.0	5790	0.77	1690
	125	122.2	14	5380	1.28	1760	9.5	5380	0.85	1760	29	5370	2.56	1290	7.2	5380	0.64	1760
K0552	125	118.4	15	5790	1.43	1800	9.8	5790	0.95	1800	30	5790	2.86	1320	6.1	5790	0.59	1800
	140	142.8	12	5790	1.19	1800	8.1	5790	0.79	1800	25	5790	2.37	1370	5.1	5790	0.49	1800
	160	157.3	11	5790	1.08	1800	7.4	5790	0.71	1800	22	5790	2.15	1560	4.6	5790	0.45	1800
	200	207.8	8.4	5790	0.81	1800	5.6	5790	0.54	1800	17	5790	1.63	1350	3.5	5790	0.34	1800
	250	263.9	6.6	5790	0.64	1800	4.4	5790	0.43	1800	13	5790	1.28	1690	2.7	5790	0.27	1800
	280	299.9	5.8	5790	0.56	1800	3.9	5790	0.37	1800	12	5790	1.13	1800	2.4	5790	0.23	1800
	320	316.4	5.5	5790	0.53	1800	3.7	5790	0.35	1800	11	5790	1.07	1800	2.3	5790	0.22	1800
	360	350.9	5.0	5790	0.48	1800	3.3	5790	0.32	1800	10	5790	0.96	1800	2.1	5790	0.20	1800
	400	398.7	4.4	5790	0.42	1800	2.9	5790	0.28	1800	8.8	5790	0.85	1800	1.8	5790	0.18	1800
	450	453.0	3.9	5790	0.37	1800	2.6	5790	0.25	1800	7.7	5790	0.75	1800	1.6	5790	0.15	1800
	500	498.8	3.5	5790	0.34	1800	2.3	5790	0.22	1800	7.0	5790	0.68	1800	1.5	5790	0.14	1800
	560	573.7	3.1	5790	0.29	1800	2.0	5790	0.20	1800	6.1	5790	0.59	1800	1.3	5790	0.12	1800
	630	623.8	2.8	5790	0.27	1800	1.9	5790	0.18	1800	5.6	5790	0.54	1800	1.2	5790	0.11	1800
	700	725.5	2.4	5790	0.23	1800	1.6	5790	0.15	1800	4.8	5790	0.47	1800	1.0	5790	0.097	1800
	800	811.7	2.2	5790	0.21	1800	1.4	5790	0.14	1800	4.3	5790	0.42	1800	0.89	5790	0.086	1800
	900	898.6	1.9	5790	0.19	1800	1.3	5790	0.12	1800	3.9	5790	0.38	1800	0.81	5790	0.078	1800
	10C	1045.1	1.7	5790	0.16	1800	1.1	5790	0.11	1800	3.3	5790	0.32	1800	0.69	5790	0.067	1800
	11C	1169	1.5	5790	0.14	1800	0.99	5790	0.096	1800	3.0	5790	0.29	1800	0.62	5790	0.060	1800
	12C	1231	1.4	5790	0.14	1800	0.94	5790	0.091	1800	2.8	5790	0.27	1800	0.59	5790	0.057	1800
	14C	1477	1.2	5790	0.11	1800	0.79	5790	0.076	1800	2.4	5790	0.23	1800	0.49	5790	0.047	1800
	16C	1577	1.1	5790	0.11	1800	0.74	5790	0.071	1800	2.2	5790	0.21	1800	0.46	5790	0.044	1800
	18C	1777	0.98	5790	0.095	1800	0.65	5790	0.063	1800	2.0	5790	0.19	1800	0.41	5790	0.039	1800
	20C	1957	0.89	5790	0.086	1800	0.59	5790	0.057	1800	1.8	5790	0.17	1800	0.37	5790	0.036	1800
	22C	2205	0.79	5790	0.077	1800	0.53	5790	0.051	1800	1.6	5790	0.15	1800	0.33	5790	0.032	1800
	25C	2563	0.68	5790	0.066	1800	0.45	5790	0.044	1800	1.4	5790	0.13	1800	0.28	5790	0.027	1800
	28C	2847	0.61	5790	0.059	1800	0.41	5790	0.039	1800	1.2	5790	0.12	1800	0.25	5790	0.025	1800
	32C	3310	0.53	5790	0.051	1800	0.35	5790	0.034	1800	1.1	5790	0.10	1800	0.22	5790	0.021	1800
	36C	3757	0.47	5790	0.045	1800	0.31	5790	0.030	1800	0.93	5790	0.090	1800	0.19	5790	0.019	1800
	40C	4056	0.43	5790	0.042	1800	0.29	5790	0.028	1800	0.86	5790	0.083	1800	0.18	5790	0.017	1800
	45C	4604	0.38	5790	0.037	1800	0.25	5790	0.024	1800	0.76	5790	0.074	1800	0.16	5790	0.015	1800
	50C	5131	0.34	5790	0.033	1800	0.23	5790	0.022	1800	0.68	5790	0.066	1800	0.14	5790	0.014	1800
	56C	5234	0.33	5790	0.032	1800	0.22	5790	0.021	1800	0.67	5790	0.065	1800	0.14	5790	0.013	1800
	63C	5833	0.30	5790	0.029	1800	0.20	5790	0.019	1800	0.60	5790	0.058	1800	0.12	5790	0.012	1800
	71C	6542	0.27	5790	0.026	1800	0.18	5790	0.017	1690	0.53	5790	0.052	1800	0.11	5790	0.011	1690

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K0632	8.0	7.961	220	4740	17.20	893	146	5330	12.80	952	440	3840	28.00	815	110	5650	10.20	1080
	11.	11.19	156	5620	14.40	870	104	6110	10.40	1040	313	4550	23.60	803	78	6370	8.17	1200
	12.	12.54	140	5870	13.50	889	92	6350	9.63	1080	279	4800	22.20	799	70	6630	7.58	1250
	14.	14.08	124	6110	12.50	922	82	6560	8.87	1130	249	5060	20.80	795	62	6890	7.02	1300
	18.	17.88	98	6600	10.60	1000	65	7050	7.50	1240	196	5610	18.10	787	49	7170	5.75	1460
	20.	20.27	86	6810	9.67	1060	57	7170	6.73	1320	173	5910	16.80	784	43	7170	5.07	1570
	25.	24.18	72	7120	8.47	1140	48	7170	5.65	1470	145	6300	15.00	793	36	7170	4.26	1740
	28.	27.84	63	7160	7.41	1240	42	7170	4.90	1600	126	6550	13.60	839	31	7170	3.70	1800
	32.	32.38	54	7170	6.37	1370	36	7170	4.22	1750	108	6830	12.20	893	27	7170	3.18	1800
	36.	36.22	48	7170	5.70	1470	32	7170	3.78	1800	97	7100	11.30	925	24	7170	2.85	1800
	40.	38.61	45	7170	5.35	1530	30	7170	3.54	1800	91	7130	10.70	966	23	7170	2.67	1800
	45.	45.76	38	7170	4.51	1680	25	7170	2.99	1800	76	7160	9.04	1090	19	7170	2.25	1800
	50.	48.86	36	7170	4.23	1750	24	7170	2.80	1800	72	7160	8.47	1140	18	7170	2.11	1800
	63.	60.62	29	7170	3.41	1800	19	7170	2.26	1800	58	7170	6.84	1310	14	7170	1.70	1800
	71.	71.49	24	7170	2.90	1800	16	7170	1.92	1800	49	7170	5.80	1460	12	7170	1.45	1800
	80.	78.28	22	7170	2.65	1800	15	7170	1.75	1800	45	7170	5.30	1540	11	7170	1.32	1800
	100	95.93	18	7170	2.17	1800	12	7170	1.43	1800	36	7170	4.34	1730	9.1	7170	1.08	1800
	112	106.9	16	6840	1.85	1800	11	7120	1.28	1800	33	6710	3.65	1800	8.2	7170	0.97	1800
	125	119.9	15	5270	1.28	1800	9.7	5280	0.85	1800	29	5260	2.56	1800	7.3	5280	0.64	1800
K0652	125	116.2	15	7170	1.80	1800	10.0	7170	1.20	1800	30	7170	3.61	1800	6.2	7170	0.75	1800
	140	140.1	12	7170	1.50	1800	8.3	7170	0.99	1800	25	7170	2.99	1800	5.2	7170	0.62	1800
	160	154.4	11	7170	1.36	1800	7.5	7170	0.90	1800	23	7170	2.71	1800	4.7	7170	0.56	1800
	200	203.9	8.6	7170	1.03	1800	5.7	7170	0.68	1800	17	7170	2.06	1800	3.6	7170	0.43	1800
	250	259.0	6.8	7170	0.81	1800	4.5	7170	0.54	1800	14	7170	1.62	1800	2.8	7170	0.34	1800
	280	294.3	5.9	7170	0.71	1800	3.9	7170	0.47	1800	12	7170	1.42	1800	2.5	7170	0.30	1800
	320	310.5	5.6	7170	0.67	1800	3.7	7170	0.45	1800	11	7170	1.35	1800	2.3	7170	0.28	1800
	360	344.4	5.1	7170	0.61	1800	3.4	7170	0.40	1800	10	7170	1.22	1800	2.1	7170	0.25	1800
	400	391.2	4.5	7170	0.54	1800	3.0	7170	0.36	1800	8.9	7170	1.07	1800	1.9	7170	0.22	1800
	450	444.5	3.9	7170	0.47	1800	2.6	7170	0.31	1800	7.9	7170	0.94	1800	1.6	7170	0.20	1800
	500	489.5	3.6	7170	0.43	1800	2.4	7170	0.28	1800	7.2	7170	0.86	1800	1.5	7170	0.18	1800
	560	563.0	3.1	7170	0.37	1800	2.1	7170	0.25	1800	6.2	7170	0.74	1800	1.3	7170	0.15	1800
	630	612.1	2.9	7170	0.34	1800	1.9	7170	0.23	1800	5.7	7170	0.68	1800	1.2	7170	0.14	1800
	700	712.0	2.5	7170	0.29	1800	1.6	7170	0.20	1800	4.9	7170	0.59	1800	1.0	7170	0.122	1800
	800	796.6	2.2	7170	0.26	1800	1.5	7170	0.17	1800	4.4	7170	0.53	1800	0.91	7170	0.109	1800
	900	881.8	2.0	7170	0.24	1800	1.3	7170	0.16	1800	4.0	7170	0.48	1800	0.82	7170	0.098	1800
	10C	1026	1.7	7170	0.20	1800	1.1	7170	0.14	1800	3.4	7170	0.41	1800	0.71	7170	0.085	1800
	11C	1147	1.5	7170	0.18	1800	1.01	7170	0.121	1800	3.1	7170	0.37	1800	0.63	7170	0.076	1800
	12C	1208	1.4	7170	0.17	1800	0.96	7170	0.115	1800	2.9	7170	0.35	1800	0.60	7170	0.072	1800
	14C	1449	1.2	7170	0.14	1800	0.80	7170	0.096	1800	2.4	7170	0.29	1800	0.50	7170	0.060	1800
	16C	1548	1.1	7170	0.14	1800	0.75	7170	0.090	1800	2.3	7170	0.27	1800	0.47	7170	0.056	1800
	18C	1744	1.00	7170	0.120	1800	0.67	7170	0.080	1800	2.0	7170	0.24	1800	0.42	7170	0.050	1800
	20C	1920	0.91	7170	0.109	1800	0.60	7170	0.072	1800	1.8	7170	0.22	1800	0.38	7170	0.045	1800
	22C	2164	0.81	7170	0.097	1800	0.54	7170	0.064	1800	1.6	7170	0.19	1800	0.34	7170	0.040	1800
	25C	2515	0.70	7170	0.083	1800	0.46	7170	0.055	1800	1.4	7170	0.17	1800	0.29	7170	0.035	1800
	28C	2794	0.63	7170	0.075	1800	0.42	7170	0.050	1800	1.3	7170	0.15	1800	0.26	7170	0.031	1800
	32C	3248	0.54	7170	0.065	1800	0.36	7170	0.043	1800	1.1	7170	0.13	1800	0.22	7170	0.027	1800
	36C	3686	0.47	7170	0.057	1800	0.31	7170	0.038	1800	0.95	7170	0.114	1800	0.20	7170	0.024	1800
	40C	3981	0.44	7170	0.053	1800	0.29	7170	0.035	1800	0.88	7170	0.105	1800	0.18	7170	0.022	1800
	45C	4518	0.39	7170	0.046	1800	0.26	7170	0.031	1800	0.77	7170	0.093	1800	0.16	7170	0.019	1800
	50C	5036	0.35	7170	0.042	1800	0.23	7170	0.028	1800	0.70	7170	0.083	1800	0.14	7170	0.017	1800
	56C	5136	0.34	7170	0.041	1800	0.23	7170	0.027	1800	0.68	7170	0.082	1800	0.14	7170	0.017	1800
	63C	5725	0.31	7170	0.037	1800	0.20	7170	0.024	1800	0.61	7170	0.073	1800	0.13	7170	0.015	1800
	71C	6420	0.27	7170	0.033	1800	0.18	7170	0.022	1800	0.55	7170	0.065	1800	0.11	7170	0.014	1800

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K0732	8.0	8.595	204	6270	21.20	1440	135	6290	14.00	1650	407	6220	42.3	1130	102	6300	10.60	1900
	11.	11.91	147	8710	21.20	1250	97	8730	14.00	1590	294	8090	39.5	1000	73	8740	10.60	1870
	12.	13.37	131	9790	21.20	1170	87	9810	14.00	1540	262	8550	37.1	988	65	9820	10.60	1830
	14.	14.71	119	10800	21.20	1110	79	10800	14.00	1500	238	8950	35.4	975	60	10800	10.60	1800
	18.	19.21	91	12000	18.00	1180	60	12700	12.70	1500	182	10000	30.3	952	46	13400	10.10	1730
	20.	21.84	80	12400	16.40	1250	53	13200	11.60	1580	160	10600	28.0	939	40	14000	9.20	1810
	25.	26.52	66	13000	14.10	1370	44	14000	10.10	1690	132	11400	25.0	922	33	14200	7.70	2040
	28.	29.17	60	13300	13.20	1430	40	14200	9.28	1790	120	11900	23.6	944	30	14200	7.00	2170
	32.	33.52	52	13800	11.90	1520	35	14200	8.08	1970	104	12300	21.2	1010	26	14200	6.09	2370
	36.	38.01	46	14200	10.80	1610	31	14200	7.14	2150	92	12900	19.7	1040	23	14200	5.38	2560
	40.	41.92	42	14200	9.76	1730	28	14200	6.47	2290	83	13000	17.9	1130	21	14200	4.88	2710
	45.	48.01	36	14200	8.53	1910	24	14200	5.65	2490	73	13300	16.1	1210	18	14200	4.26	2930
	50.	54.28	32	14200	7.55	2070	21	14200	5.00	2670	64	13600	14.5	1300	16	14200	3.77	3140
	63.	62.94	28	14200	6.52	2280	18	14200	4.32	2910	56	14100	13.0	1400	14	14200	3.26	3370
	71.	75.07	23	14200	5.47	2540	15	14200	3.62	3210	47	14200	11.0	1590	12	14200	2.73	3370
	80.	82.21	21	14200	5.00	2680	14	14200	3.31	3370	43	14200	10.0	1710	11	14200	2.50	3370
	100	98.65	18	14200	4.17	2980	12	14200	2.77	3370	35	14200	8.4	1940	8.9	14200	2.09	3370
	112	113.5	15	13900	3.55	3260	10	14200	2.41	3370	31	13600	7.0	2210	7.7	14200	1.81	3370
	125	126.1	14	12200	2.81	3370	9.2	12200	1.87	3370	28	12000	5.5	2600	6.9	12200	1.41	3370
K0752	125	120.3	15	14200	3.45	3370	9.6	14200	2.29	3370	29	14200	6.90	2680	6.0	14200	1.43	3370
	140	133.5	13	14200	3.11	3370	8.7	14200	2.06	3370	26	14200	6.22	2980	5.4	14200	1.29	3370
	160	147.1	12	14200	2.82	3370	7.9	14200	1.87	3370	24	14200	5.64	3260	4.9	14200	1.17	3370
	200	211.1	8.3	14200	1.97	3370	5.5	14200	1.30	3370	17	14200	3.93	3370	3.4	14200	0.81	3370
	250	233.4	7.5	14200	1.78	3370	5.0	14200	1.18	3370	15	14200	3.56	3370	3.1	14200	0.74	3370
	280	265.1	6.6	14200	1.57	3370	4.4	14200	1.04	3370	13	14200	3.13	3370	2.7	14200	0.65	3370
	320	304.6	5.7	14200	1.36	3370	3.8	14200	0.90	3370	11	14200	2.72	3370	2.4	14200	0.56	3370
	360	373.9	4.7	14200	1.11	3370	3.1	14200	0.74	3370	9	14200	2.22	3370	1.9	14200	0.46	3370
	400	414.6	4.2	14200	1.00	3370	2.8	14200	0.66	3370	8.4	14200	2.00	3370	1.7	14200	0.41	3370
	450	465.8	3.8	14200	0.89	3370	2.5	14200	0.59	3370	7.5	14200	1.78	3370	1.6	14200	0.37	3370
	500	512.9	3.4	14200	0.81	3370	2.3	14200	0.54	3370	6.8	14200	1.62	3370	1.4	14200	0.34	3370
	560	590.0	3.0	14200	0.70	3370	2.0	14200	0.47	3370	5.9	14200	1.41	3370	1.2	14200	0.29	3370
	630	641.4	2.7	14200	0.65	3370	1.8	14200	0.43	3370	5.5	14200	1.29	3370	1.1	14200	0.27	3370
	700	737.0	2.4	14200	0.56	3370	1.6	14200	0.37	3370	4.7	14200	1.13	3370	1.0	14200	0.23	3370
	800	835.8	2.1	14200	0.50	3370	1.4	14200	0.33	3370	4.2	14200	0.99	3370	0.87	14200	0.21	3370
	900	924.0	1.9	14200	0.45	3370	1.3	14200	0.30	3370	3.8	14200	0.90	3370	0.78	14200	0.19	3370
	10C	1062	1.6	14200	0.39	3370	1.1	14200	0.26	3370	3.3	14200	0.78	3370	0.68	14200	0.16	3370
	11C	1204	1.5	14200	0.34	3370	0.96	14200	0.23	3370	2.9	14200	0.69	3370	0.60	14200	0.14	3370
	12C	1267	1.4	14200	0.33	3370	0.92	14200	0.22	3370	2.8	14200	0.65	3370	0.57	14200	0.14	3370
	14C	1521	1.2	14200	0.27	3370	0.76	14200	0.18	3370	2.3	14200	0.55	3370	0.48	14200	0.11	3370
	16C	1720	1.0	14200	0.24	3370	0.67	14200	0.16	3370	2.0	14200	0.48	3370	0.42	14200	0.10	3370
	18C	1938	0.90	14200	0.21	3370	0.60	14200	0.14	3370	1.8	14200	0.43	3370	0.37	14200	0.089	3370
	20C	1994	0.88	14200	0.21	3370	0.58	14200	0.14	3370	1.8	14200	0.42	3370	0.36	14200	0.086	3370
	22C	2246	0.78	14200	0.18	3370	0.52	14200	0.12	3370	1.6	14200	0.37	3370	0.32	14200	0.077	3370
	25C	2611	0.67	14200	0.16	3370	0.44	14200	0.105	3370	1.3	14200	0.32	3370	0.28	14200	0.066	3370
	28C	2934	0.60	14200	0.14	3370	0.40	14200	0.094	3370	1.2	14200	0.28	3370	0.25	14200	0.059	3370
	32C	3411	0.51	14200	0.12	3370	0.34	14200	0.081	3370	1.0	14200	0.24	3370	0.21	14200	0.050	3370
	36C	3871	0.45	14200	0.11	3370	0.30	14200	0.071	3370	0.90	14200	0.21	3370	0.19	14200	0.044	3370
	40C	4093	0.43	14200	0.10	3370	0.28	14200	0.067	3370	0.86	14200	0.20	3370	0.18	14200	0.042	3370
	45C	4646	0.38	14200	0.089	3370	0.25	14200	0.059	3370	0.75	14200	0.18	3370	0.16	14200	0.037	3370
	50C	5281	0.33	14200	0.079	3370	0.22	14200	0.052	3370	0.66	14200	0.16	3370	0.14	14200	0.033	3370
	56C	5345	0.33	14200	0.078	3370	0.22	14200	0.051	3370	0.65	14200	0.16	3370	0.14	14200	0.032	3370
	63C	6076	0.29	14200	0.068	3370	0.19	14200	0.045	3370	0.58	14200	0.14	3370	0.12	14200	0.028	3370
	71C	6752	0.26	14200	0.061	3370	0.17	14200	0.041	3370	0.52	14200	0.12	3370	0.11	14200	0.025	3370

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Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K0832	8.0	8.128	215	9330	33.40	1570	143	9370	22.20	1810	431	9260	66.90	1230	108	9390	16.70	2060
	11.	11.52	152	13300	33.40	1300	101	13300	22.20	1660	304	13200	66.90	914	76	13300	16.70	1980
	12.	12.80	137	14800	33.40	1190	91	14800	22.20	1600	273	14700	66.90	791	68	14800	16.70	1930
	14.	14.24	123	16500	33.40	1070	81	16500	22.20	1520	246	15400	62.90	765	61	16500	16.70	1860
	18.	18.41	95	20000	31.40	915	63	21300	22.20	1240	190	17100	54.00	705	48	21400	16.70	1620
	20.	20.67	85	20400	28.60	993	56	22100	20.40	1300	169	17900	50.30	678	42	23600	16.50	1510
	25.	25.35	69	21300	24.20	1140	46	23100	17.40	1470	138	18600	42.70	715	35	24000	13.60	1780
	28.	28.56	61	21700	22.00	1230	41	23900	16.00	1540	123	19100	38.70	758	31	24000	12.10	1970
	32.	33.24	53	22400	19.40	1350	35	24000	13.80	1770	105	19600	34.20	850	26	24000	10.40	2230
	36.	36.88	47	22800	17.90	1440	31	24000	12.50	1930	95	20000	31.50	916	24	24000	9.39	2400
	40.	40.36	43	23400	16.80	1500	29	24000	11.40	2080	87	20400	29.30	976	22	24000	8.58	2570
	45.	45.66	38	24000	15.20	1620	25	24000	10.10	2290	77	20800	26.50	1060	19	24000	7.59	2800
	50.	51.54	34	24000	13.50	1810	23	24000	8.92	2500	68	21300	24.00	1150	17	24000	6.72	3030
	63.	62.47	28	24000	11.10	2120	19	24000	7.37	2860	56	22100	20.60	1300	14	24000	5.55	3420
	71.	72.86	24	24000	9.55	2380	16	24000	6.32	3160	48	22800	18.20	1430	12	24000	4.77	3520
	80.	80.03	22	24000	8.70	2550	14	24000	5.76	3350	44	23400	17.00	1490	11	24000	4.34	3520
	100	98.08	18	24000	7.10	2930	12	24000	4.70	3520	36	24000	14.20	1730	8.9	24000	3.54	3520
	112	107.1	16	24000	6.50	3110	11	24000	4.31	3520	33	24000	13.00	1870	8.2	24000	3.25	3520
	125	123.3	14	24000	5.67	3390	9.4	24000	3.75	3520	28	24000	11.30	2100	7.1	24000	2.83	3520
K0852	125	132.2	13	24000	5.31	3520	8.8	24000	3.52	3520	26	24000	10.61	2290	5.5	24000	2.20	3520
	140	144.7	12	24000	4.85	3520	8.0	24000	3.21	3520	24	24000	9.70	2500	5.0	24000	2.01	3520
	160	163.7	11	24000	4.29	3520	7.1	24000	2.84	3520	21	24000	8.57	2860	4.4	24000	1.78	3520
	200	203.4	8.6	24000	3.45	3520	5.7	24000	2.29	3520	17	24000	6.90	3160	3.6	24000	1.43	3520
	250	255.9	6.8	24000	2.74	3520	4.5	24000	1.82	3520	14	24000	5.48	3350	2.8	24000	1.14	3520
	280	297.0	5.9	24000	2.36	3520	3.9	24000	1.57	3520	12	24000	4.72	3520	2.4	24000	0.98	3520
	320	325.0	5.4	24000	2.16	3520	3.6	24000	1.43	3520	11	24000	4.32	3520	2.2	24000	0.89	3520
	360	368.4	4.8	24000	1.90	3520	3.1	24000	1.26	3520	10	24000	3.81	3520	2.0	24000	0.79	3520
	400	401.5	4.4	24000	1.75	3520	2.9	24000	1.16	3520	8.7	24000	3.49	3520	1.8	24000	0.72	3520
	450	462.3	3.8	24000	1.52	3520	2.5	24000	1.01	3520	7.6	24000	3.03	3520	1.6	24000	0.63	3520
	500	505.9	3.5	24000	1.39	3520	2.3	24000	0.92	3520	6.9	24000	2.77	3520	1.4	24000	0.57	3520
	560	537.7	3.3	24000	1.30	3520	2.2	24000	0.86	3520	6.5	24000	2.61	3520	1.3	24000	0.54	3520
	630	641.2	2.7	24000	1.09	3520	1.8	24000	0.73	3520	5.5	24000	2.19	3520	1.1	24000	0.45	3520
	700	759.9	2.3	24000	0.92	3520	1.5	24000	0.61	3520	4.6	24000	1.85	3520	0.95	24000	0.38	3520
	800	811.3	2.2	24000	0.86	3520	1.4	24000	0.57	3520	4.3	24000	1.73	3520	0.89	24000	0.36	3520
	900	887.8	2.0	24000	0.79	3520	1.3	24000	0.52	3520	3.9	24000	1.58	3520	0.82	24000	0.33	3520
	10C	1007	1.7	24000	0.70	3520	1.2	24000	0.46	3520	3.5	24000	1.39	3520	0.72	24000	0.29	3520
	11C	1102	1.6	24000	0.64	3520	1.1	24000	0.42	3520	3.2	24000	1.27	3520	0.66	24000	0.26	3520
	12C	1246	1.4	24000	0.56	3520	0.93	24000	0.37	3520	2.8	24000	1.13	3520	0.58	24000	0.23	3520
	14C	1470	1.2	24000	0.48	3520	0.79	24000	0.32	3520	2.4	24000	0.95	3520	0.49	24000	0.20	3520
	16C	1659	1.1	24000	0.42	3520	0.70	24000	0.28	3520	2.1	24000	0.85	3520	0.44	24000	0.18	3520
	18C	1817	0.96	24000	0.39	3520	0.64	24000	0.26	3520	1.9	24000	0.77	3520	0.40	24000	0.16	3520
	20C	2011	0.87	24000	0.35	3520	0.58	24000	0.23	3520	1.7	24000	0.70	3520	0.36	24000	0.14	3520
	22C	2202	0.79	24000	0.32	3520	0.53	24000	0.21	3520	1.6	24000	0.64	3520	0.33	24000	0.13	3520
	25C	2699	0.65	24000	0.26	3520	0.43	24000	0.17	3520	1.3	24000	0.52	3520	0.27	24000	0.11	3520
	28C	2821	0.62	24000	0.25	3520	0.41	24000	0.16	3520	1.2	24000	0.50	3520	0.26	24000	0.10	3520
	32C	3147	0.56	24000	0.22	3520	0.37	24000	0.15	3520	1.1	24000	0.45	3520	0.23	24000	0.092	3520
	36C	3853	0.45	24000	0.18	3520	0.30	24000	0.12	3520	0.91	24000	0.36	3520	0.19	24000	0.075	3520
	40C	4237	0.41	24000	0.17	3520	0.27	24000	0.11	3520	0.83	24000	0.33	3520	0.17	24000	0.069	3520
	45C	4722	0.37	24000	0.15	3520	0.25	24000	0.098	3520	0.74	24000	0.30	3520	0.15	24000	0.062	3520
	50C	5157	0.34	24000	0.14	3520	0.22	24000	0.090	3520	0.68	24000	0.27	3520	0.14	24000	0.056	3520
	56C	5296	0.33	24000	0.13	3520	0.22	24000	0.088	3520	0.66	24000	0.26	3520	0.14	24000	0.055	3520
	63C	5783	0.30	24000	0.12	3520	0.20	24000	0.080	3520	0.61	24000	0.24	3520	0.13	24000	0.050	3520
	71C	6660	0.26	24000	0.11	3520	0.17	24000	0.070	3520	0.53	24000	0.21	3520	0.11	24000	0.044	3520

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K0932	8.0	8.035	218	21500	76.67	5690	144	24400	57.47	6040	436	17400	124.1	5200	109	26500	47.25	6410
	11.	11.06	158	25000	64.61	5830	105	28300	48.61	6330	316	20300	104.9	5280	79	29900	38.64	6980
	12.	12.40	141	26300	60.66	5880	94	29700	45.67	6510	282	21400	98.71	5330	71	30900	35.89	7230
	14.	13.92	126	27700	57.09	5930	83	30700	41.68	6740	252	22500	92.75	5380	63	31900	32.87	7490
	18.	17.93	98	30700	49.21	6280	65	32700	34.77	7320	195	24900	79.42	5510	49	33400	26.77	7970
	20.	20.03	87	31700	45.11	6510	58	33400	31.69	7610	175	26000	74.43	5570	44	34000	24.47	7970
	25.	25.02	70	33200	38.01	7030	46	33900	25.51	7970	140	28300	64.81	5690	35	34900	19.98	7970
	28.	27.78	63	33900	34.93	7330	42	34900	23.98	7970	126	29400	60.59	5760	32	36000	18.84	7970
	32.	31.67	55	34800	31.31	7760	37	35700	21.61	7970	111	30800	55.92	5940	28	36600	16.76	7970
	36.	35.62	49	35700	28.61	7970	33	37000	19.97	7970	98	32600	52.26	6070	25	37500	15.34	7970
	40.	40.33	43	36600	25.74	7970	29	37500	17.79	7970	87	33000	46.96	6390	22	38000	13.67	7970
	45.	44.89	39	37500	23.92	7970	26	38000	16.16	7970	78	33400	42.61	6670	19	38000	11.81	7970
	50.	49.87	35	38000	21.76	7970	23	38000	14.30	7970	70	34000	38.93	6990	18	38000	11.19	7970
	63.	61.00	29	38000	18.03	7970	19	38000	11.81	7970	57	34800	32.45	7640	14	38000	8.70	7970
	71.	70.45	25	38000	15.54	7970	16	38000	9.95	7970	50	35700	29.20	7970	12	38000	7.46	7970
	80.	77.78	23	38000	14.30	7970	15	38000	9.32	7970	45	36600	26.94	7970	11	38000	6.84	7970
	100	94.53	19	38000	11.81	7970	12	38000	7.46	7970	37	37500	22.70	7970	9.3	38000	5.75	7970
	112	107.00	16	38000	9.95	7970	11	38000	6.84	7970	33	38000	20.51	7970	8.2	38000	5.08	7970
	125	120.30	15	38000	9.32	7970	9.6	38000	5.99	7970	29	38000	18.03	7970	7.3	38000	4.52	7970
K0952	125	127.71	14	38000	8.70	7970	9.1	38000	5.76	7970	27	38000	17.39	7970	6.9	38000	4.35	7970
	140	144.6	12	38000	7.68	7970	8.0	38000	5.09	7970	24	38000	15.37	7970	6.1	38000	3.84	7970
	160	160.9	11	38000	6.90	7970	7.2	38000	4.57	7970	22	38000	13.80	7970	5.4	38000	3.45	7970
	200	203.3	8.6	38000	5.46	7970	5.7	38000	3.62	7970	17	38000	10.93	7970	4.3	38000	2.73	7970
	250	253.6	6.9	38000	4.38	7970	4.6	38000	2.90	7970	14	38000	8.76	7970	3.5	38000	2.19	7970
	280	284.7	6.1	38000	3.90	7970	4.1	38000	2.59	7970	12	38000	7.80	7970	3.1	38000	1.95	7970
	320	316.3	5.5	38000	3.51	7970	3.7	38000	2.33	7970	11	38000	7.02	7970	2.8	38000	1.76	7970
	360	361.5	4.8	38000	3.07	7970	3.2	38000	2.04	7970	10	38000	6.14	7970	2.4	38000	1.54	7970
	400	401.6	4.4	38000	2.77	7970	2.9	38000	1.83	7970	8.7	38000	5.53	7970	2.2	38000	1.38	7970
	450	446.6	3.9	38000	2.49	7970	2.6	38000	1.65	7970	7.8	38000	4.97	7970	2.0	38000	1.24	7970
	500	505.5	3.5	38000	2.20	7970	2.3	38000	1.46	7970	6.9	38000	4.39	7970	1.7	38000	1.10	7970
	560	562.8	3.1	38000	1.97	7970	2.1	38000	1.31	7970	6.2	38000	3.95	7970	1.6	38000	0.99	7970
	630	625.2	2.8	38000	1.78	7970	1.9	38000	1.18	7970	5.6	38000	3.55	7970	1.4	38000	0.89	7970
	700	764.7	2.3	38000	1.45	7970	1.5	38000	0.96	7970	4.6	38000	2.90	7970	1.1	38000	0.73	7970
	800	813.6	2.2	38000	1.37	7970	1.4	38000	0.90	7970	4.3	38000	2.73	7970	1.1	38000	0.68	7970
	900	883.1	2.0	38000	1.26	7970	1.3	38000	0.83	7970	4.0	38000	2.52	7970	0.99	38000	0.63	7970
	10C	1027	1.7	38000	1.08	7970	1.1	38000	0.72	7970	3.4	38000	2.16	7970	0.85	38000	0.54	7970
	11C	1149	1.5	38000	0.97	7970	1.0	38000	0.64	7970	3.0	38000	1.93	7970	0.76	38000	0.48	7970
	12C	1225	1.4	38000	0.91	7970	0.95	38000	0.60	7970	2.9	38000	1.81	7970	0.71	38000	0.45	7970
	14C	1452	1.2	38000	0.77	7970	0.80	38000	0.51	7970	2.4	38000	1.53	7970	0.60	38000	0.38	7970
	16C	1603	1.1	38000	0.69	7970	0.72	38000	0.46	7970	2.2	38000	1.39	7970	0.55	38000	0.35	7970
	18C	1711	1.0	38000	0.65	7970	0.68	38000	0.43	7970	2.0	38000	1.30	7970	0.51	38000	0.32	7970
	20C	2080	0.84	38000	0.53	7970	0.56	38000	0.35	7970	1.7	38000	1.07	7970	0.42	38000	0.27	7970
	22C	2123	0.82	38000	0.52	7970	0.55	38000	0.35	7970	1.6	38000	1.05	7970	0.41	38000	0.26	7970
	25C	2504	0.70	38000	0.44	7970	0.46	38000	0.29	7970	1.4	38000	0.89	7970	0.35	38000	0.22	7970
	28C	2742	0.64	38000	0.41	7970	0.42	38000	0.27	7970	1.3	38000	0.81	7970	0.32	38000	0.20	7970
	32C	3332	0.53	38000	0.33	7970	0.35	38000	0.22	7970	1.1	38000	0.67	7970	0.26	38000	0.17	7970
	36C	3745	0.47	38000	0.30	7970	0.31	38000	0.20	7970	0.93	38000	0.59	7970	0.23	38000	0.15	7970
	40C	4084	0.43	38000	0.27	7970	0.28	38000	0.18	7970	0.86	38000	0.54	7970	0.21	38000	0.14	7970
	45C	4552	0.38	38000	0.24	7970	0.25	38000	0.16	7970	0.77	38000	0.49	7970	0.19	38000	0.12	7970
	50C	5105	0.34	38000	0.22	7970	0.23	38000	0.14	7970	0.69	38000	0.44	7970	0.17	38000	0.11	7970
	56C	5778	0.30	38000	0.19	7970	0.20	38000	0.13	7970	0.61	38000	0.38	7970	0.15	38000	0.096	7970
	63C	6497	0.27	38000	0.17	7970	0.18	38000	0.11	7970	0.54	38000	0.34	7970	0.13	38000	0.085	7970

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RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K1032	8.0	8.263	212	36200	127.0	7920	140	36200	83.90	8770	424	34000	239.0	6890	106	36300	63.30	9450
	11.	11.54	152	49600	124.0	7610	101	50700	83.90	8560	303	40300	202.0	6920	76	50700	63.30	9650
	12.	12.55	139	51600	119.0	7640	92	55200	83.90	8550	279	41900	193.0	6950	70	55200	63.30	9660
	14.	14.26	123	54600	110.0	7700	81	61800	82.80	8550	245	44300	180.0	7020	61	62700	63.30	9640
	18.	18.57	94	61000	94.70	8040	62	63600	65.40	9500	188	49500	154.0	7170	47	63600	49.30	9690
	20.	20.05	87	62900	90.40	8190	58	63600	60.60	9690	175	51000	147.0	7210	44	63600	45.70	9690
	25.	25.76	68	63600	71.20	9140	45	63600	47.10	9690	136	56200	126.0	7360	34	63600	35.50	9690
	28.	29.24	60	63600	62.70	9680	40	63600	41.50	9690	120	58900	116.0	7440	30	63600	31.30	9690
	32.	33.10	53	63600	55.40	9690	35	63600	36.70	9690	106	61700	108.0	7560	26	63600	27.70	9690
	36.	37.34	47	63600	49.20	9690	31	63600	32.60	9690	94	63600	98.60	7870	23	63600	24.50	9690
	40.	41.49	42	63600	44.20	9690	28	63600	29.30	9690	84	63600	88.60	8270	21	63600	22.10	9690
	45.	45.37	39	63600	40.50	9690	26	63600	26.80	9690	77	63600	81.10	8620	19	63600	20.20	9690
	50.	50.41	35	63600	36.40	9690	23	63600	24.10	9690	69	63600	73.00	9050	17	63600	18.20	9690
	63.	59.58	29	63600	30.80	9690	19	63600	20.40	9690	59	63600	61.80	9690	15	63600	15.40	9690
	71.	71.89	24	63600	25.60	9690	16	63600	16.90	9690	49	63600	51.20	9690	12	63600	12.80	9690
	80.	82.83	21	63600	22.20	9690	14	63600	14.70	9690	42	63600	44.50	9690	11	63600	11.10	9690
	100	96.11	18	63600	19.20	9690	12	63600	12.70	9690	36	63600	38.40	9690	9.1	63600	9.57	9690
	112	112.0	16	63600	16.50	9690	10	63600	10.90	9690	31	63600	33.00	9690	7.8	63600	8.23	9690
	125	120.4	15	63600	15.40	9690	9.6	63600	10.20	9690	29	63600	30.70	9690	7.3	63600	7.67	9690
K1052	140	137.3	13	63600	13.54	9690	8.4	63600	8.97	9690	25	63600	27.07	9690	6.4	63600	6.77	9690
	160	166.8	10	63600	11.14	9690	7.0	63600	7.39	9690	21	63600	22.28	9690	5.2	63600	5.57	9690
	200	211.4	8	63600	8.79	9690	5.5	63600	5.83	9690	17	63600	17.59	9690	4.1	63600	4.40	9690
	250	259.6	6.7	63600	7.16	9690	4.5	63600	4.75	9690	13	63600	14.32	9690	3.4	63600	3.58	9690
	280	285.4	6.1	63600	6.51	9690	4.1	63600	4.32	9690	12	63600	13.02	9690	3.1	63600	3.26	9690
	320	317.2	5.5	63600	5.86	9690	3.7	63600	3.88	9690	11	63600	11.72	9690	2.8	63600	2.93	9690
	360	372.8	4.7	63600	4.99	9690	3.1	63600	3.30	9690	9	63600	9.97	9690	2.3	63600	2.49	9690
	400	423.7	4.1	63600	4.39	9690	2.7	63600	2.91	9690	8	63600	8.77	9690	2.1	63600	2.19	9690
	450	466.1	3.8	63600	3.99	9690	2.5	63600	2.64	9690	7.5	63600	7.98	9690	1.9	63600	1.99	9690
	500	514.7	3.4	63600	3.61	9690	2.3	63600	2.39	9690	6.8	63600	7.22	9690	1.7	63600	1.81	9690
	560	566.2	3.1	63600	3.28	9690	2.0	63600	2.18	9690	6.2	63600	6.57	9690	1.5	63600	1.64	9690
	630	629.2	2.8	63600	2.95	9690	1.8	63600	1.96	9690	5.6	63600	5.91	9690	1.4	63600	1.48	9690
	700	723.0	2.4	63600	2.57	9690	1.6	63600	1.70	9690	4.8	63600	5.14	9690	1.2	63600	1.29	9690
	800	819.8	2.1	63600	2.27	9690	1.4	63600	1.50	9690	4.3	63600	4.53	9690	1.1	63600	1.13	9690
	900	897.2	2.0	63600	2.07	9690	1.3	63600	1.37	9690	3.9	63600	4.14	9690	1.0	63600	1.04	9690
	10C	1031	1.7	63600	1.80	9690	1.1	63600	1.20	9690	3.4	63600	3.61	9690	0.85	63600	0.90	9690
	11C	1169	1.5	63600	1.59	9690	1.0	63600	1.05	9690	3.0	63600	3.18	9690	0.75	63600	0.80	9690
	12C	1224	1.4	63600	1.52	9690	0.95	63600	1.01	9690	2.9	63600	3.04	9690	0.71	63600	0.76	9690
	14C	1477	1.2	63600	1.26	9690	0.79	63600	0.83	9690	2.4	63600	2.52	9690	0.59	63600	0.63	9690
	16C	1670	1.0	63600	1.11	9690	0.69	63600	0.74	9690	2.1	63600	2.23	9690	0.52	63600	0.56	9690
	18C	1914	0.91	63600	0.97	9690	0.61	63600	0.64	9690	1.8	63600	1.94	9690	0.46	63600	0.49	9690
	20C	2096	0.84	63600	0.89	9690	0.55	63600	0.59	9690	1.7	63600	1.77	9690	0.42	63600	0.44	9690
	22C	2231	0.78	63600	0.83	9690	0.52	63600	0.55	9690	1.6	63600	1.67	9690	0.39	63600	0.42	9690
	25C	2529	0.69	63600	0.74	9690	0.46	63600	0.49	9690	1.4	63600	1.47	9690	0.35	63600	0.37	9690
	28C	2913	0.60	63600	0.64	9690	0.40	63600	0.42	9690	1.2	63600	1.28	9690	0.30	63600	0.32	9690
	32C	3087	0.57	63600	0.60	9690	0.38	63600	0.40	9690	1.1	63600	1.20	9690	0.28	63600	0.30	9690
	36C	3496	0.50	63600	0.53	9690	0.33	63600	0.35	9690	1.0	63600	1.06	9690	0.25	63600	0.27	9690
	40C	4022	0.44	63600	0.46	9690	0.29	63600	0.31	9690	0.87	63600	0.92	9690	0.22	63600	0.23	9690
	45C	4469	0.39	63600	0.42	9690	0.26	63600	0.28	9690	0.78	63600	0.83	9690	0.20	63600	0.21	9690
	50C	5186	0.34	63600	0.36	9690	0.22	63600	0.24	9690	0.67	63600	0.72	9690	0.17	63600	0.18	9690
	56C	5440	0.32	63600	0.34	9690	0.21	63600	0.23	9690	0.64	63600	0.68	9690	0.16	63600	0.17	9690
	63C	6494	0.27	63600	0.29	9690	0.18	63600	0.19	9690	0.54	63600	0.57	9690	0.13	63600	0.14	9690

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K1232	8.0	8.51	206	46000	156.0	11200	136	46000	103.0	12300	411	45900	312.0	9940	103	46100	78.00	12800
	11.	11.8	148	63900	156.0	11500	98	63900	103.0	12800	297	63800	312.0	10200	74	63900	78.00	13200
	12.	12.96	135	70200	156.0	11600	90	70200	103.0	13200	270	68000	303.0	10500	68	70200	78.00	13600
	14.	14.25	123	77200	156.0	11800	81	77200	103.0	13600	246	70900	287.0	10800	61	77200	78.00	13800
	18.	18.2	96	96900	153.0	12000	64	98600	103.0	13800	192	78600	249.0	11200	48	98700	78.00	13800
	20.	20.17	87	101000	144.0	12300	58	109000	103.0	13800	174	82000	235.0	11500	43	109000	77.50	13800
	25.	26.5	66	109000	118.0	12800	44	109000	78.30	13800	132	91200	198.0	11600	33	109000	59.00	13800
	28.	28.99	60	109000	108.0	13200	40	109000	71.60	13800	121	95400	190.0	11800	30	109000	54.00	13800
	32.	32.83	53	109000	95.40	13600	35	109000	63.20	13800	107	97500	171.0	12000	27	109000	47.70	13800
	36.	36.18	48	109000	86.70	13800	32	109000	57.40	13800	97	102000	163.0	12300	24	109000	43.30	13800
	40.	40.44	43	109000	77.60	13800	29	109000	51.40	13800	87	106000	152.0	12800	22	109000	38.80	13800
	45.	46.81	37	109000	67.10	13800	25	109000	44.50	13800	75	109000	134.0	13200	19	109000	33.50	13800
	50.	52.76	33	109000	59.50	13800	22	109000	39.40	13800	66	109000	119.0	13600	17	109000	29.70	13800
	63.	60.77	29	109000	51.80	13800	19	109000	34.30	13800	58	109000	104.0	13800	14	109000	25.90	13800
	71.	74.62	23	109000	42.30	13800	16	109000	28.00	13800	47	109000	84.70	13800	12	109000	21.10	13800
	80.	83.10	21	109000	38.00	13800	14	109000	25.20	13800	42	109000	76.20	13800	11	109000	19.00	13800
	100	97.07	18	109000	32.40	13800	12	109000	21.50	13800	36	109000	65.00	13800	9.0	109000	16.20	13800
	112	113.8	15	109000	27.70	13800	10	109000	18.40	13800	31	109000	55.50	13800	7.7	109000	13.80	13800
	125	121.1	14	109000	26.00	13800	9.6	109000	17.30	13800	29	109000	52.10	13800	7.2	109000	13.00	13800
K1252	125	133.1	13	109000	23.94	13800	8.7	109000	15.87	13800	26	109000	47.89	13800	6.6	109000	11.97	13800
	140	148.7	12	109000	21.42	13800	7.8	109000	14.20	13800	24	109000	42.85	13800	5.9	109000	10.71	13800
	160	172.2	10	109000	18.51	13800	6.7	109000	12.27	13800	20	109000	37.01	13800	5.1	109000	9.25	13800
	200	206.0	8.5	109000	15.47	13800	5.6	109000	10.25	13800	17	109000	30.93	13800	4.2	109000	7.73	13800
	250	254.4	6.9	109000	12.52	13800	4.6	109000	8.30	13800	14	109000	25.04	13800	3.4	109000	6.26	13800
	280	294.5	5.9	109000	10.82	13800	3.9	109000	7.17	13800	12	109000	21.63	13800	3.0	109000	5.41	13800
	320	332.0	5.3	109000	9.60	13800	3.5	109000	6.36	13800	11	109000	19.19	13800	2.6	109000	4.80	13800
	360	377.8	4.6	109000	8.43	13800	3.1	109000	5.59	13800	9	109000	16.86	13800	2.3	109000	4.22	13800
	400	410.5	4.3	109000	7.76	13800	2.8	109000	5.14	13800	8.5	109000	15.52	13800	2.1	109000	3.88	13800
	450	451.5	3.9	109000	7.06	13800	2.6	109000	4.68	13800	7.8	109000	14.11	13800	1.9	109000	3.53	13800
	500	504.7	3.5	109000	6.31	13800	2.3	109000	4.18	13800	6.9	109000	12.63	13800	1.7	109000	3.16	13800
	560	584.2	3.0	109000	5.45	13800	2.0	109000	3.61	13800	6.0	109000	10.91	13800	1.5	109000	2.73	13800
	630	658.5	2.7	109000	4.84	13800	1.8	109000	3.21	13800	5.3	109000	9.68	13800	1.3	109000	2.42	13800
	700	756.7	2.3	109000	4.21	13800	1.5	109000	2.79	13800	4.6	109000	8.42	13800	1.2	109000	2.11	13800
	800	858.1	2.0	109000	3.71	13800	1.4	109000	2.46	13800	4.1	109000	7.43	13800	1.0	109000	1.86	13800
	900	931.3	1.9	109000	3.42	13800	1.2	109000	2.27	13800	3.8	109000	6.84	13800	0.94	109000	1.71	13800
	10C	1070	1.6	109000	2.98	13800	1.1	109000	1.97	13800	3.3	109000	5.95	13800	0.82	109000	1.49	13800
	11C	1213	1.4	109000	2.63	13800	1.0	109000	1.74	13800	2.9	109000	5.25	13800	0.72	109000	1.31	13800
	12C	1248	1.4	109000	2.55	13800	0.93	109000	1.69	13800	2.8	109000	5.10	13800	0.70	109000	1.28	13800
	14C	1533	1.1	109000	2.08	13800	0.76	109000	1.38	13800	2.3	109000	4.16	13800	0.57	109000	1.04	13800
	16C	1733	1.0	109000	1.84	13800	0.67	109000	1.22	13800	2.0	109000	3.68	13800	0.50	109000	0.92	13800
	18C	1952	0.90	109000	1.63	13800	0.59	109000	1.08	13800	1.8	109000	3.26	13800	0.45	109000	0.82	13800
	20C	2137	0.82	109000	1.49	13800	0.54	109000	0.99	13800	1.6	109000	2.98	13800	0.41	109000	0.75	13800
	22C	2238	0.78	109000	1.42	13800	0.52	109000	0.94	13800	1.6	109000	2.85	13800	0.39	109000	0.71	13800
	25C	2624	0.67	109000	1.21	13800	0.44	109000	0.80	13800	1.3	109000	2.43	13800	0.33	109000	0.61	13800
	28C	2923	0.60	109000	1.09	13800	0.40	109000	0.72	13800	1.2	109000	2.18	13800	0.30	109000	0.54	13800
	32C	3118	0.56	109000	1.02	13800	0.37	109000	0.68	13800	1.1	109000	2.04	13800	0.28	109000	0.51	13800
	36C	3508	0.50	109000	0.91	13800	0.33	109000	0.60	13800	1.0	109000	1.82	13800	0.25	109000	0.45	13800
	40C	4036	0.43	109000	0.79	13800	0.29	109000	0.52	13800	0.87	109000	1.58	13800	0.22	109000	0.39	13800
	45C	4484	0.39	109000	0.71	13800	0.26	109000	0.47	13800	0.78	109000	1.42	13800	0.20	109000	0.36	13800
	50C	5238	0.33	109000	0.61	13800	0.22	109000	0.40	13800	0.67	109000	1.22	13800	0.17	109000	0.30	13800
	56C	5526	0.32	109000	0.58	13800	0.21	109000	0.38	13800	0.63	109000	1.15	13800	0.16	109000	0.29	13800
	63C	6532	0.27	109000	0.49	13800	0.18	109000	0.32	13800	0.54	109000	0.98	13800	0.13	109000	0.24	13800

Note: Input power Pm may exceed thermal power rating

RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K1532	11.	10.11	173	115000	328.0	16800	115	126000	238.0	18000	346	93700	534.0	15200	87	126000	180.0	18000
	12.	11.36	154	121000	308.0	17100	102	137000	231.0	18000	308	98800	501.0	15300	77	142000	180.0	18000
	14.	14.10	124	134000	273.0	17600	82	152000	205.0	18000	248	109000	445.0	15700	62	165000	168.0	18000
	18.	15.88	110	142000	257.0	17900	73	161000	193.0	18000	220	115000	419.0	15900	55	175000	158.0	18000
	20.	17.86	98	150000	242.0	18000	65	170000	181.0	18000	196	122000	394.0	16200	49	182000	146.0	18000
	25.	22.92	76	166000	209.0	18000	51	186000	155.0	18000	153	135000	340.0	16700	38	186000	117.0	18000
	28.	25.45	69	174000	196.0	18000	46	186000	139.0	18000	138	141000	320.0	17000	34	186000	105.0	18000
	32.	31.77	55	186000	169.0	18000	37	186000	112.0	18000	110	154000	279.0	17600	28	186000	84.30	18000
	36.	35.23	50	186000	152.0	18000	33	186000	101.0	18000	99	159000	261.0	17800	25	186000	76.10	18000
	40.	40.00	44	186000	134.0	18000	29	186000	88.90	18000	88	167000	241.0	18000	22	186000	67.00	18000
	45.	45.83	38	186000	117.0	18000	25	186000	77.60	18000	76	175000	221.0	18000	19	186000	58.50	18000
	50.	49.26	36	186000	109.0	18000	24	186000	72.20	18000	71	180000	211.0	18000	18	186000	54.50	18000
	63.	63.39	28	186000	84.90	18000	18	186000	56.20	18000	55	186000	170.0	18000	14	186000	42.40	18000
	71.	76.04	23	186000	70.90	18000	15	186000	47.00	18000	46	186000	142.0	18000	12	186000	35.40	18000
	80.	91.25	19	186000	59.20	18000	13	186000	39.20	18000	38	186000	118.0	18000	10	186000	29.60	18000
	100	98.86	18	186000	54.50	18000	12	186000	36.10	18000	35	186000	109.0	18000	8.9	186000	27.20	18000
	112	115.6	15	177000	44.50	18000	10	177000	29.50	18000	30	177000	89.00	18000	7.6	177000	22.20	18000
	125	135.6	13	186000	39.80	18000	8.6	186000	26.30	18000	26	186000	79.60	18000	6.5	186000	19.90	18000
	140	152.1	12	186000	35.50	18000	7.6	186000	23.50	18000	23	186000	71.10	18000	5.8	186000	17.70	18000
K1552	160	168.6	10	186000	32.25	18000	6.9	186000	21.38	18000	21	186000	64.50	18000	5.2	186000	16.13	18000
	200	181.2	9.7	186000	30.01	18000	6.4	186000	19.89	18000	19	186000	60.01	18000	4.8	186000	15.00	18000
	250	251.0	7.0	186000	21.66	18000	4.6	186000	14.36	18000	14	186000	43.32	18000	3.5	186000	10.83	18000
	280	281.9	6.2	186000	19.28	18000	4.1	186000	12.78	18000	12	186000	38.57	18000	3.1	186000	9.64	18000
	320	322.9	5.4	186000	16.83	18000	3.6	186000	11.16	18000	11	186000	33.67	18000	2.7	186000	8.42	18000
	360	362.8	4.8	186000	14.99	18000	3.2	186000	9.93	18000	10	186000	29.97	18000	2.4	186000	7.49	18000
	400	398.9	4.4	186000	13.63	18000	2.9	186000	9.03	18000	8.8	186000	27.26	18000	2.2	186000	6.81	18000
	450	460.3	3.8	186000	11.81	18000	2.5	186000	7.83	18000	7.6	186000	23.62	18000	1.9	186000	5.91	18000
	500	520.0	3.4	186000	10.45	18000	2.2	186000	6.93	18000	6.7	186000	20.91	18000	1.7	186000	5.23	18000
	560	559.0	3.1	186000	9.73	18000	2.1	186000	6.45	18000	6.3	186000	19.45	18000	1.6	186000	4.86	18000
	630	614.9	2.8	186000	8.84	18000	1.9	186000	5.86	18000	5.7	186000	17.68	18000	1.4	186000	4.42	18000
	700	706.5	2.5	186000	7.69	18000	1.6	186000	5.10	18000	5.0	186000	15.39	18000	1.2	186000	3.85	18000
	800	801.2	2.2	186000	6.79	18000	1.4	186000	4.50	18000	4.4	186000	13.57	18000	1.1	186000	3.39	18000
	900	909.2	1.9	186000	5.98	18000	1.3	186000	3.96	18000	3.8	186000	11.96	18000	1.0	186000	2.99	18000
	10C	1031	1.7	186000	5.27	18000	1.1	186000	3.50	18000	3.4	186000	10.55	18000	0.85	186000	2.64	18000
	11C	1091	1.6	186000	4.99	18000	1.1	186000	3.30	18000	3.2	186000	9.97	18000	0.80	186000	2.49	18000
	12C	1237	1.4	186000	4.40	18000	0.94	186000	2.91	18000	2.8	186000	8.79	18000	0.71	186000	2.20	18000
	14C	1418	1.2	186000	3.83	18000	0.82	186000	2.54	18000	2.5	186000	7.67	18000	0.62	186000	1.92	18000
	16C	1608	1.1	186000	3.38	18000	0.72	186000	2.24	18000	2.2	186000	6.76	18000	0.54	186000	1.69	18000
	18C	1773	1.0	186000	3.07	18000	0.65	186000	2.03	18000	2.0	186000	6.13	18000	0.49	186000	1.53	18000
	20C	2031	0.862	186000	2.68	18000	0.57	186000	1.77	18000	1.7	186000	5.35	18000	0.43	186000	1.34	18000
	22C	2296	0.762	186000	2.37	18000	0.51	186000	1.57	18000	1.5	186000	4.74	18000	0.38	186000	1.18	18000
	25C	2457	0.712	186000	2.21	18000	0.47	186000	1.47	18000	1.4	186000	4.42	18000	0.36	186000	1.11	18000
	28C	2686	0.652	186000	2.02	18000	0.43	186000	1.34	18000	1.3	186000	4.05	18000	0.33	186000	1.01	18000
	32C	3175	0.551	186000	1.71	18000	0.37	186000	1.13	18000	1.1	186000	3.42	18000	0.28	186000	0.86	18000
	36C	3714	0.471	186000	1.46	18000	0.31	186000	0.97	18000	0.94	186000	2.93	18000	0.24	186000	0.73	18000
	40C	4067	0.430	186000	1.34	18000	0.29	186000	0.89	18000	0.86	186000	2.67	18000	0.22	186000	0.67	18000
	45C	4431	0.395	186000	1.23	18000	0.26	186000	0.81	18000	0.79	186000	2.45	18000	0.20	186000	0.61	18000
	50C	4924	0.355	186000	1.10	18000	0.24	186000	0.73	18000	0.71	186000	2.21	18000	0.18	186000	0.55	18000
	56C	5615	0.312	186000	0.97	18000	0.21	186000	0.64	18000	0.62	186000	1.94	18000	0.16	186000	0.48	18000
	63C	6239	0.281	186000	0.87	18000	0.19	186000	0.58	18000	0.56	186000	1.74	18000	0.14	186000	0.44	18000

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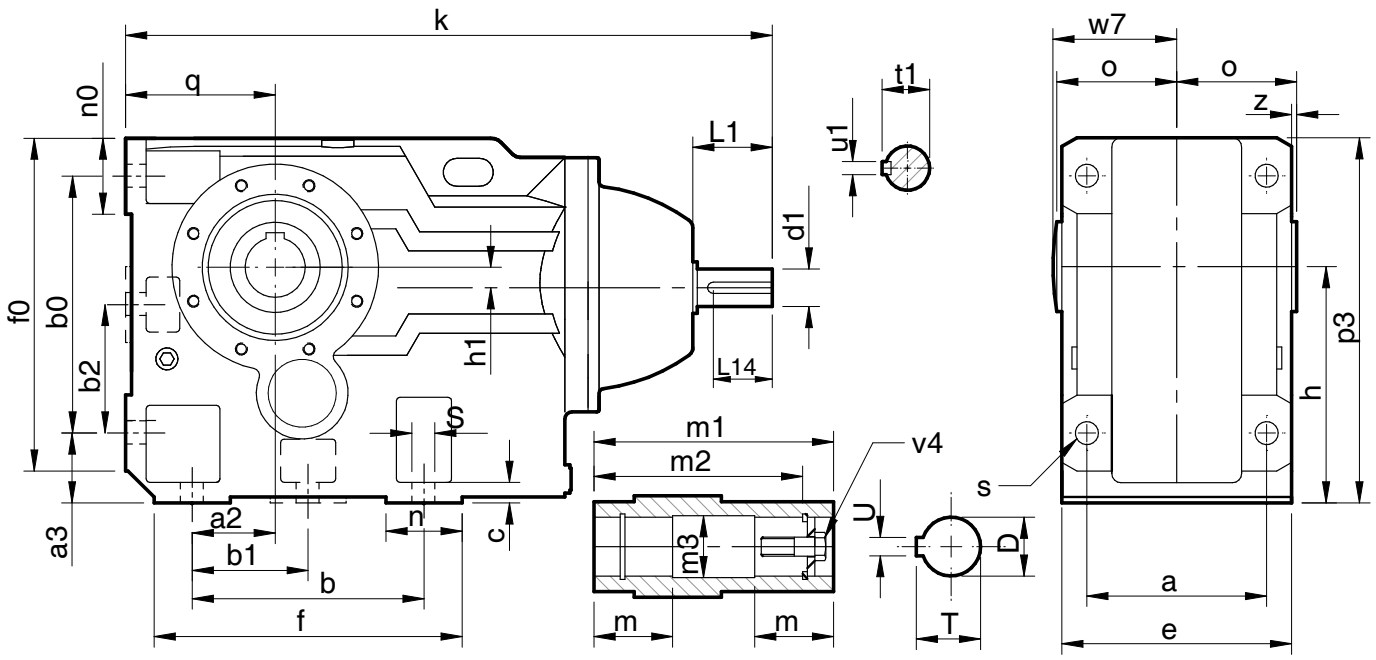
RATINGS

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lbf)

Size	in	i	n1 = 1750				n1 = 1160				n1 = 3500				n1 = 875			
			n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
K1632	12.	13.57	129	259000	550.0	18000	86	292000	411.0	18000	258	211000	895.0	18000	64	292000	310.0	18000
	14.	14.67	119	268000	526.0	18000	79	292000	380.0	18000	239	218000	855.0	18000	60	292000	287.0	18000
	18.	17.15	102	286000	480.0	18000	68	292000	325.0	18000	204	232000	780.0	18000	51	292000	245.0	18000
	20.	22.45	78	292000	375.0	18000	52	292000	249.0	18000	156	258000	662.0	18000	39	292000	188.0	18000
	25.	25.63	68	292000	328.0	18000	45	292000	218.0	18000	137	271000	609.0	18000	34	292000	165.0	18000
	28.	30.61	57	292000	275.0	18000	38	292000	183.0	18000	114	289000	544.0	18000	29	292000	138.0	18000
	32.	34.73	50	292000	243.0	18000	33	292000	161.0	18000	101	292000	485.0	18000	25	292000	122.0	18000
	36.	38.38	46	292000	220.0	18000	30	292000	146.0	18000	91	292000	439.0	18000	23	292000	110.0	18000
	40.	44.38	39	292000	191.0	18000	26	292000	126.0	18000	79	292000	381.0	18000	20	292000	95.20	18000
	45.	47.94	37	292000	177.0	18000	24	292000	117.0	18000	73	292000	353.0	18000	18	292000	88.20	18000
	50.	55.88	31	292000	151.0	18000	21	292000	100.0	18000	63	292000	302.0	18000	16	292000	75.60	18000
	63.	64.44	27	292000	131.0	18000	18	292000	87.0	18000	54	292000	263.0	18000	14	292000	65.60	18000
	71.	74.70	23	292000	113.0	18000	16	292000	75.0	18000	47	292000	227.0	18000	12	292000	56.60	18000
	80.	86.08	20	292000	98.6	18000	13	292000	65.3	18000	41	292000	197.0	18000	10	292000	49.30	18000
	100	102.9	17	292000	82.7	18000	11	292000	54.8	18000	34	292000	166.0	18000	8.5	292000	41.30	18000
	125	123.4	14	255000	60.1	18000	9.4	255000	39.8	18000	28	254000	120.0	18000	7.1	255000	30.00	18000
K1652	140	141.4	12	292000	60.34	18000	8.2	292000	40.00	18000	25	292000	120.68	18000	6.2	292000	30.17	18000
	160	163.5	11	292000	52.19	18000	7.1	292000	34.60	18000	21	292000	104.38	18000	5.4	292000	26.10	18000
	200	194.7	9.0	292000	43.83	18000	6.0	292000	29.05	18000	18	292000	87.66	18000	4.5	292000	21.92	18000
	250	243.2	7.2	292000	35.10	18000	4.8	292000	23.26	18000	14	292000	70.19	18000	3.6	292000	17.55	18000
	280	272.6	6.4	292000	31.31	18000	4.3	292000	20.76	18000	13	292000	62.63	18000	3.2	292000	15.66	18000
	320	315.7	5.5	292000	27.04	18000	3.7	292000	17.92	18000	11	292000	54.07	18000	2.8	292000	13.52	18000
	360	352.7	5.0	292000	24.20	18000	3.3	292000	16.04	18000	9.9	292000	48.40	18000	2.5	292000	12.10	18000
	400	394.3	4.4	292000	21.65	18000	2.9	292000	14.35	18000	8.9	292000	43.30	18000	2.2	292000	10.82	18000
	450	440.5	4.0	292000	19.38	18000	2.6	292000	12.84	18000	7.9	292000	38.75	18000	2.0	292000	9.69	18000
	500	509.2	3.4	292000	16.76	18000	2.3	292000	11.11	18000	6.9	292000	33.52	18000	1.7	292000	8.38	18000
	560	565.3	3.1	292000	15.10	18000	2.1	292000	10.01	18000	6.2	292000	30.19	18000	1.5	292000	7.55	18000
	630	627.1	2.8	292000	13.61	18000	1.8	292000	9.02	18000	5.6	292000	27.22	18000	1.4	292000	6.80	18000
	700	709.9	2.5	292000	12.02	18000	1.6	292000	7.97	18000	4.9	292000	24.05	18000	1.2	292000	6.01	18000
	800	783.2	2.2	292000	10.90	18000	1.5	292000	7.22	18000	4.5	292000	21.79	18000	1.1	292000	5.45	18000
	900	913.6	1.9	292000	9.34	18000	1.3	292000	6.19	18000	3.8	292000	18.68	18000	0.96	292000	4.67	18000
	10C	1034	1.7	292000	8.26	18000	1.1	292000	5.47	18000	3.4	292000	16.52	18000	0.85	292000	4.13	18000
	11C	1096	1.6	292000	7.79	18000	1.1	292000	5.16	18000	3.2	292000	15.57	18000	0.80	292000	3.89	18000
	12C	1220	1.4	292000	6.99	18000	1.0	292000	4.64	18000	2.9	292000	13.99	18000	0.72	292000	3.50	18000
	14C	1382	1.3	292000	6.18	18000	0.84	292000	4.09	18000	2.5	292000	12.35	18000	0.63	292000	3.09	18000
	16C	1563	1.1	292000	5.46	18000	0.74	292000	3.62	18000	2.2	292000	10.92	18000	0.56	292000	2.73	18000
	18C	1803	1.0	292000	4.73	18000	0.64	292000	3.14	18000	1.9	292000	9.47	18000	0.49	292000	2.37	18000
	20C	1993	0.88	292000	4.28	18000	0.58	292000	2.84	18000	1.8	292000	8.56	18000	0.44	292000	2.14	18000
	22C	2082	0.84	292000	4.10	18000	0.56	292000	2.72	18000	1.7	292000	8.20	18000	0.42	292000	2.05	18000
	25C	2423	0.72	292000	3.52	18000	0.48	292000	2.34	18000	1.4	292000	7.05	18000	0.36	292000	1.76	18000
	28C	2794	0.63	292000	3.06	18000	0.42	292000	2.03	18000	1.3	292000	6.11	18000	0.31	292000	1.53	18000
	32C	3162	0.55	292000	2.70	18000	0.37	292000	1.79	18000	1.1	292000	5.40	18000	0.28	292000	1.35	18000
	36C	3666	0.48	292000	2.33	18000	0.32	292000	1.54	18000	1.0	292000	4.66	18000	0.24	292000	1.16	18000
	40C	4122	0.42	292000	2.07	18000	0.28	292000	1.37	18000	0.85	292000	4.14	18000	0.21	292000	1.04	18000
	45C	4460	0.39	292000	1.91	18000	0.26	292000	1.27	18000	0.78	292000	3.83	18000	0.20	292000	0.96	18000
	50C	5048	0.35	292000	1.69	18000	0.23	292000	1.12	18000	0.69	292000	3.38	18000	0.17	292000	0.85	18000
	56C	5676	0.31	292000	1.50	18000	0.20	292000	1.00	18000	0.62	292000	3.01	18000	0.15	292000	0.75	18000
	63C	6811	0.26	292000	1.25	18000	0.17	292000	0.83	18000	0.51	292000	2.51	18000	0.13	292000	0.63	18000

Note: Input power Pm may exceed thermal power rating

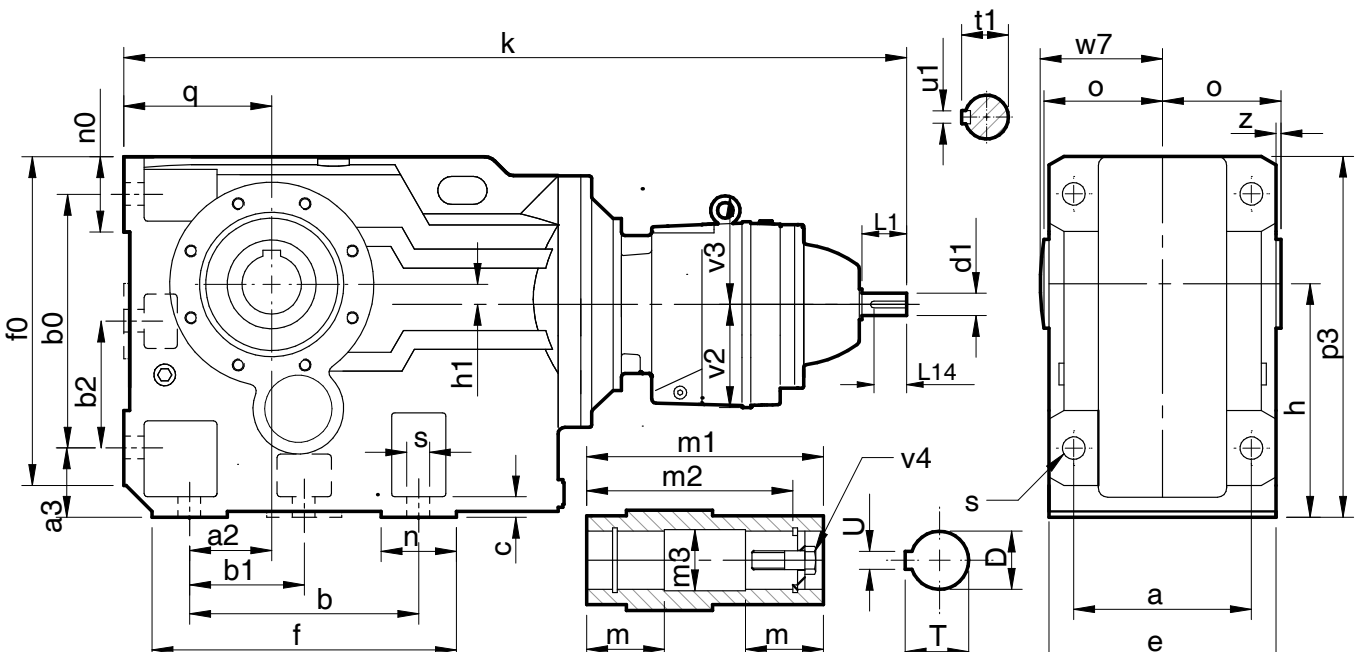
DIMENSIONS
TRIPLE REDUCTION



Size	a	a2	a3	b	b0	b1	b2	c	e	f	f0	h	h1	k	n	n0	o	p3	q	s	w7	z
K0332	3.94	1.10	1.26	4.33	4.53	-	-	0.43	4.72	5.63	5.98	3.94	0.63	13.11	1.50	1.50	2.36	6.57	2.48	0.43	2.48	0.00
K0432	4.72	1.38	1.46	5.12	5.12	-	-	0.63	5.71	6.61	6.73	4.41	0.51	14.21	1.50	1.57	2.95	7.36	2.80	0.43	3.07	0.10
K0532	5.12	1.18	1.77	5.12	5.91	-	-	0.59	6.18	6.69	7.56	5.20	0.20	16.14	1.57	1.57	3.27	8.54	3.15	0.55	3.43	0.22
K0632	5.51	1.18	1.77	4.72	6.30	-	-	0.79	6.69	6.93	8.19	5.51	0.51	16.93	2.17	1.89	3.54	9.17	3.54	0.55	3.70	0.20
K0732	6.50	1.57	2.17	5.91	7.87	-	-	1.06	7.87	8.27	10.35	7.09	0.98	19.37	2.36	2.17	4.13	11.34	4.41	0.71	4.29	0.20
K0832	7.09	2.17	2.76	7.09	9.17	-	-	1.18	9.06	10.08	12.17	8.35	0.59	24.49	2.99	2.99	4.72	13.43	5.20	0.91	4.88	0.20
K0932	8.27	2.95	2.95	9.45	11.61	-	-	1.38	11.42	13.39	15.55	10.43	0.39	27.95	3.94	3.94	5.91	16.54	6.30	1.06	6.06	0.20
K1032	10.63	3.74	3.74	11.02	14.17	-	-	1.57	13.39	15.35	17.91	12.40	1.61	33.70	4.33	4.53	6.89	20.20	7.87	1.34	7.09	0.20
K1232	12.99	4.53	4.33	13.78	16.54	-	-	1.77	15.75	18.50	21.26	14.76	2.56	38.86	4.72	4.72	8.07	23.23	8.86	1.54	8.27	0.20
K1532	16.54	5.51	5.12	14.96	19.69	-	-	1.97	19.69	21.26	25.59	17.72	3.35	41.14	5.71	5.51	9.84	27.95	11.02	1.54	10.04	0.00
K1632	18.90	7.87	4.53	21.26	21.26	10.63	10.63	1.97	22.05	26.77	26.38	19.69	3.94	48.62	5.51	4.80	12.01	31.50	12.40	1.30	31.69	0.98

Size	d1	L1	L14	t1	u1	D	m	m1	m2	m3	T	U	v4
K0332	0.6250 / 0.6245	1.57	1.28	0.70	0.19	1.251 / 1.250	2.07	4.72	4.13	1.26	1.38	0.250	0.375 UNF x 2.0
K0432	0.6250 / 0.6245	1.57	1.28	0.70	0.19	1.376 / 1.375	2.60	5.91	5.20	1.38	1.53	0.313	0.5 UNF x 2.25
K0532	0.7500 / 0.7495	1.57	1.28	0.83	0.19	1.501 / 1.500	2.87	6.54	5.59	1.51	1.68	0.375	0.625 UNF x 2.75
K0632	0.7500 / 0.7495	1.57	1.28	0.83	0.19	1.501 / 1.500	3.15	7.09	6.14	1.51	1.68	0.375	0.625 UNF x 2.75
K0732	0.8750 / 0.8745	1.97	1.28	0.96	0.19	2.001 / 2.000	3.64	8.27	7.20	2.02	2.23	0.500	0.625 UNF x 2.75
K0832	1.1250 / 1.1245	2.36	2.00	1.23	0.25	2.376 / 2.375	4.13	9.45	8.27	2.38	2.66	0.625	0.75 UNF x 3.25
K0932	1.3750 / 1.3745	3.15	2.40	1.51	0.31	2.751 / 2.750	5.22	11.81	10.63	2.77	3.04	0.625	0.75 UNF x 3.25
K1032	1.6250 / 1.6240	4.33	3.69	1.79	0.38	3.251 / 3.250	6.10	13.78	12.32	3.27	3.59	0.750	0.75 UNF x 3.25
K1232	2.1250 / 2.1240	4.33	3.83	2.35	0.50	4.001 / 4.000	7.09	16.14	14.69	4.02	4.45	1.000	1.0 UNF x 4.5
K1532	2.1250 / 2.1240	4.33	3.83	2.35	0.50	4.501 / 4.500	7.09	19.69	18.11	4.60	4.95	1.000	1.0 UNF x 4.5
K1632	2.8750 / 2.8740	5.51	4.62	3.20	0.75	5.252 / 5.250	7.09	24.02	22.44	5.35	5.81	1.250	1.0 UNF x 4.5

DIMENSIONS
QUINTUPLE REDUCTION



Size	a	a2	a3	b	b0	b1	b2	c	e	f	f0	h	h1	k	n	n0	o	p3	q	s	v2	v3	w7	z
K0352	3.94	1.10	1.26	4.33	4.53	-	-	0.43	4.72	5.63	5.98	3.94	0.63	20.43	1.50	1.50	2.36	6.57	2.48	0.43	2.99	2.91	2.48	0.00
K0452	4.72	1.38	1.46	5.12	5.12	-	-	0.63	5.71	6.61	6.73	4.41	0.51	21.54	1.50	1.57	2.95	7.36	2.80	0.43	2.99	2.91	3.07	0.10
K0552	5.12	1.18	1.77	5.12	5.91	-	-	0.59	6.18	6.69	7.56	5.20	0.20	24.09	1.57	1.57	3.27	8.54	3.15	0.55	3.58	3.58	3.43	0.22
K0652	5.51	1.18	1.77	4.72	6.30	-	-	0.79	6.69	6.93	8.19	5.51	0.51	24.88	2.17	1.89	3.54	9.17	3.54	0.55	3.58	3.58	3.70	0.20
K0752	6.50	1.57	2.17	5.91	7.87	-	-	1.06	7.87	8.27	10.35	7.09	0.98	27.20	2.36	2.17	4.13	11.34	4.41	0.71	3.58	3.58	4.29	0.20
K0852	7.09	2.17	2.76	7.09	9.17	-	-	1.18	9.06	10.08	12.17	8.35	0.59	32.20	2.99	2.99	4.72	13.43	5.20	0.91	4.53	3.66	4.88	0.20
K0952	8.27	2.95	2.95	9.45	11.61	-	-	1.38	11.42	13.39	15.55	10.43	0.39	34.72	3.94	3.94	5.91	16.54	6.30	1.06	4.53	3.66	6.06	0.20
K1052	10.63	3.74	3.74	11.02	14.17	-	-	1.57	13.39	15.35	17.91	12.40	1.61	40.55	4.33	4.53	6.89	20.20	7.87	1.34	5.51	6.10	7.09	0.20
K1252	12.99	4.53	4.33	13.78	16.54	-	-	1.77	15.75	18.50	21.26	14.76	2.56	45.55	4.72	4.72	8.07	23.23	8.86	1.54	5.51	6.10	8.27	0.20
K1552	16.54	5.51	5.12	14.96	19.69	-	-	1.97	19.69	21.26	25.59	17.72	3.35	47.83	5.71	5.51	9.84	27.95	11.02	1.54	5.51	6.10	10.04	0.00
K1652	18.90	7.87	4.53	21.26	21.26	10.63	10.63	1.97	22.05	26.77	26.38	19.69	3.94	67.95	5.51	4.80	12.01	31.50	12.40	1.30	9.06	9.45	31.69	0.98

Size	d1	L1	L14	t1	u1	D	m	m1	m2	m3	T	U	v4
K0352	0.6250 / 0.6245	1.57	1.28	0.70	0.19	1.251 / 1.250	2.07	4.72	4.13	1.26	1.38	0.250	0.375 UNF x 2
K0452	0.6250 / 0.6245	1.57	1.28	0.70	0.19	1.376 / 1.375	2.60	5.91	5.20	1.38	1.53	0.313	0.5 UNF x 2.25
K0552	0.6250 / 0.6245	1.57	1.28	0.70	0.19	1.501 / 1.500	2.87	6.54	5.59	1.51	1.68	0.375	0.625 UNF x 2.75
K0652	0.6250 / 0.6245	1.57	1.28	0.70	0.19	1.501 / 1.500	3.15	7.09	6.14	1.51	1.68	0.375	0.625 UNF x 2.75
K0752	0.6250 / 0.6245	1.57	1.28	0.70	0.19	2.001 / 2.000	3.64	8.27	7.20	2.02	2.23	0.500	0.625 UNF x 2.75
K0852	0.7500 / 0.7495	1.57	1.28	0.83	0.19	2.376 / 2.375	4.13	9.45	8.27	2.38	2.66	0.625	0.75 UNF x 3.25
K0952	0.7500 / 0.7495	1.57	1.28	0.83	0.19	2.751 / 2.750	5.22	11.81	10.63	2.77	3.04	0.625	0.75 UNF x 3.25
K1052	0.8750 / 0.8745	1.97	1.28	0.96	0.19	3.251 / 3.250	6.10	13.78	12.32	3.27	3.59	0.750	0.75 UNF x 3.25
K1252	0.8750 / 0.8745	1.97	1.28	0.96	0.19	4.001 / 4.000	7.09	16.14	14.69	4.02	4.45	1.000	1.0 UNF x 4.5
K1552	0.8750 / 0.8745	1.97	1.28	0.96	0.19	4.501 / 4.500	7.09	19.69	18.11	4.60	4.95	1.000	1.0 UNF x 4.5
K1652	1.3750 / 1.3745	3.15	2.40	1.51	0.31	5.252 / 5.250	7.09	24.02	22.44	5.35	5.81	1.250	1.0 UNF x 4.5

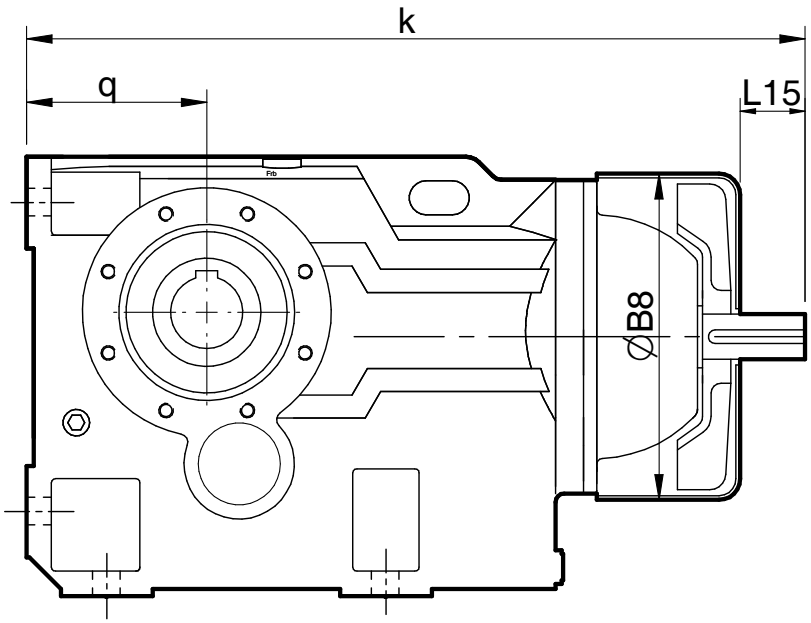
Column 10 Entry

For reducer fan kit modules enter [S] in column 10

or if used in conjunction with a reducer backstop module kit [Y] CW rotation

[Z] CCW rotation

Dimensions of Fan Cooled Units



Shaft end detail as standard unit

Size	øB8	k	L15	q
K0732	8.86	19.37	1.38	4.41
K0832	10.43	24.49	1.77	5.20
K0932	12.60	27.95	2.56	6.30
K1032	14.96	33.70	3.74	7.87
K1232	16.54	38.86	3.35	8.86
K1532	18.90	41.14	3.35	11.02
K1632	22.44	48.62	4.41	12.40

REDUCER BACKSTOP MODULE

The reducer units listed below can be fitted with an internal backstop, this has no effect of the external unit size. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (n min). To ensure correct operation input speed must exceed lift off speed.

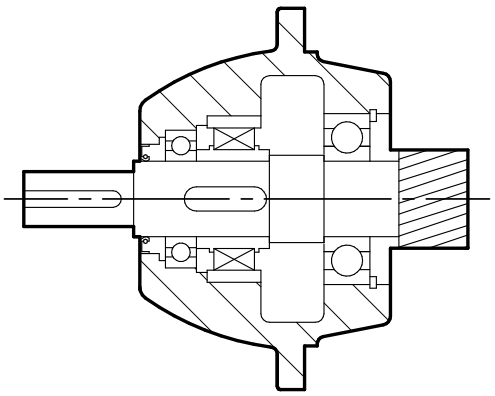
Suitable for ambient temperature -40°F to + 120°F

Column 10 Entry

For reducer backstop modules enter:

[W] for CCW rotation (or [Z] if used in conjunction with a fan kit)

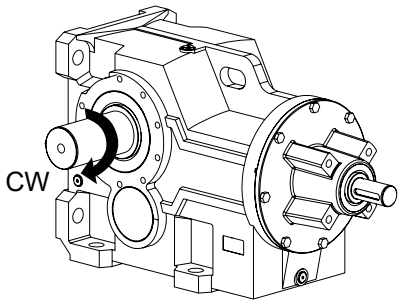
[X] for CW rotation (or [Y] if used in conjunction with a fan kit)



Size	Lift off Speed ('n' min) at inputshaft (rpm)	Rated Locking Torque ('T max') at inputshaft (lb.in)
K0532	800	885
K0632	800	885
K0732	670	1505
K0832	670	2655
K0932	670	8320
K1032	670	11150
K1232	590	12800
K1532	590	12800
K1632	550	14900

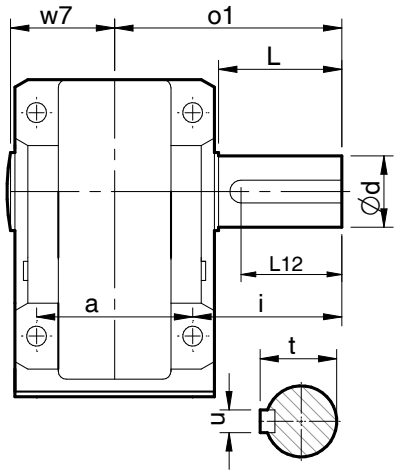
Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise

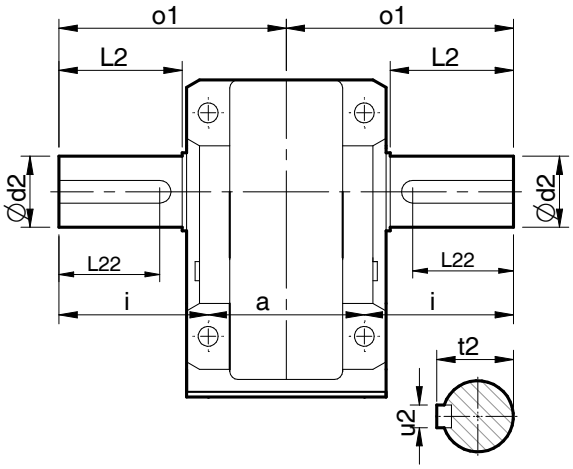


DIMENSIONS
OUTPUTSHAFT / SHRINK DISK

Single Extended

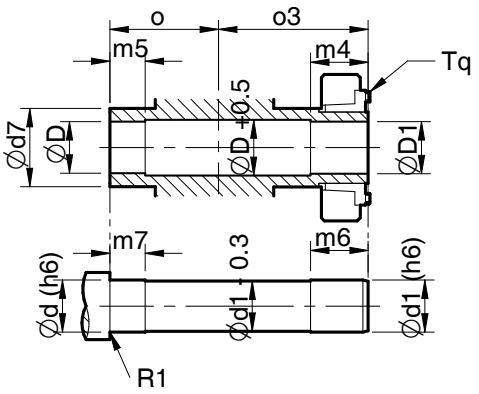


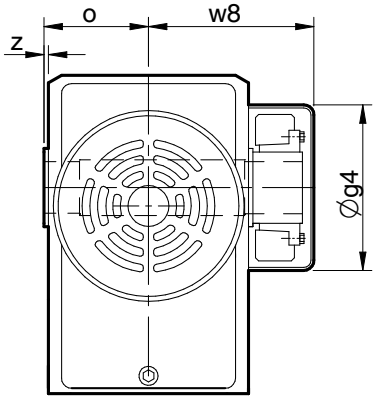
Double Extended



Size	a	d	d2	i	L	L12	L2	L22	o1	t	t2	u	u2	w7	u	u2	w7
K03	3.94	1.0000 / 0.9995	1.0000 / 0.9995	2.36	1.85	1.57	1.85	1.57	4.31	1.11	1.11	0.250	0.250	1.10	8	8	63
K04	4.72	1.2500 / 0.2495	1.2500 / 0.2495	2.95	2.20	1.97	2.20	1.97	5.31	1.36	1.36	0.250	0.250	1.30	8	8	78
K05	5.12	1.3750 / 1.3745	1.3750 / 1.3745	3.46	2.60	2.20	2.60	2.20	6.00	1.51	1.51	0.313	0.313	1.50	10	10	87
K06	5.51	1.6250 / 1.6240	1.4996 / 1.4990	3.98	2.99	2.76	2.99	2.76	6.75	1.78	1.66	0.375	0.375	1.69	12	12	94
K07	6.50	2.0000 / 1.9990	2.0000 / 1.9990	4.86	3.74	3.15	3.74	3.15	8.12	2.23	2.23	0.500	0.500	2.11	14	14	109
K08	7.09	2.3750 / 2.3740	2.3746 / 2.3739	5.91	4.49	3.94	4.49	3.94	9.45	2.65	2.65	0.625	0.625	2.52	18	18	124
K09	8.27	2.8750/ 2.8740	2.6250 / 2.6240	6.73	5.31	4.33	5.31	4.33	11.45	3.20	3.03	0.750	0.625	2.93	20	20	154
K10	10.63	3.6250 / 3.6240	3.1250 / 3.1240	8.35	6.77	5.51	6.42	5.51	13.63	4.10	3.45	0.875	0.750	3.13	25	20	180
K12	12.99	4.3750 / 4.3740	3.8750 / 3.8740	9.96	8.39	7.09	7.87	7.09	16.45	4.81	4.31	1.00	1.00	3.94	28	25	210
K15	16.54	4.7500 / 4.7490	4.7500 / 4.7490	9.72	8.27	7.87	8.27	7.87	18.00	5.29	5.29	1.25	1.25	5.00	32	32	255
K16	18.90	6.2500 / 6.2490	6.2500 / 6.2490	12.40	9.84	8.66	9.84	8.66	21.87	6.91	6.91	1.50	1.50	6.65	40	40	310

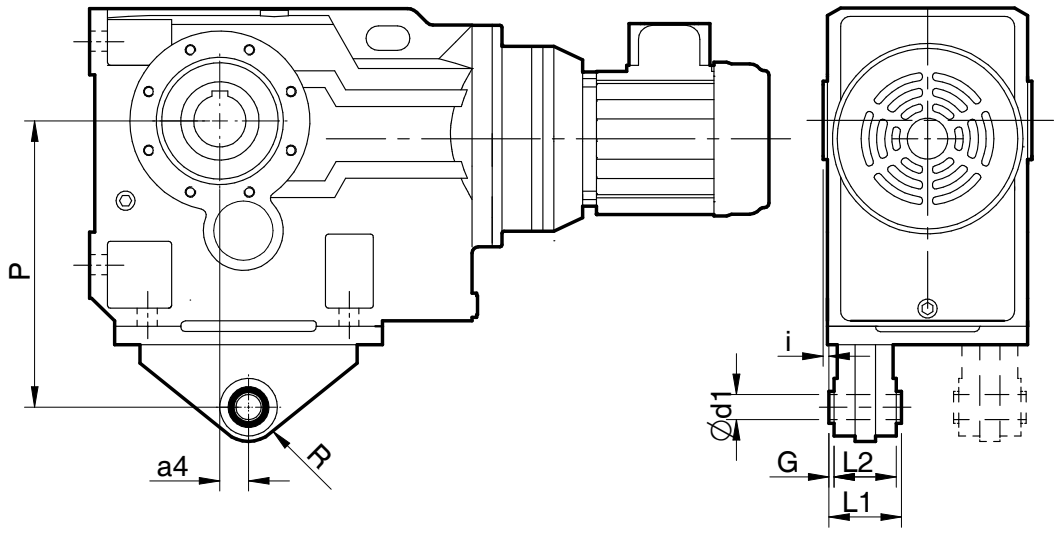
Shrink Disk



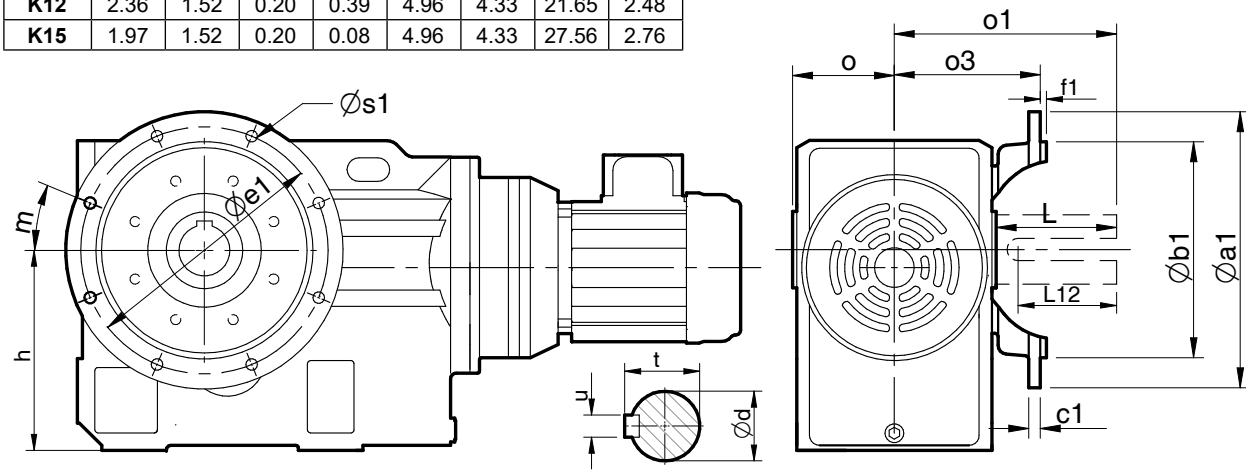


Size	D	D1	d	d 1	d7	g4	m4	m5	m6	m7	o	o3	w8	z	Tq(lb.in)
K03	1.1811	1.1811	1.1811 / 1.1806	1.1811 / 1.1806	1.97	3.50	1.22	0.79	1.46	0.98	2.36	3.39	3.58	0.00	255
K04	1.3780	1.3780	1.3780 / 1.3773	1.3780 / 1.3773	2.17	4.25	1.26	0.79	1.46	0.98	2.95	4.02	4.45	0.10	255
K05	1.5748	1.5748	1.5748 / 1.5742	1.5748 / 1.5742	2.36	4.25	1.42	0.79	1.61	0.98	3.27	4.41	4.65	0.22	255
K06	1.5748	1.5748	1.5748 / 1.5742	1.5748 / 1.5742	2.76	5.24	1.50	0.79	1.69	0.98	3.54	4.65	5.51	0.20	255
K07	1.9685	1.9685	1.9685 / 1.9679	1.9685 / 1.9679	3.15	5.24	1.42	1.18	1.61	1.38	4.13	5.35	5.98	0.20	310
K08	2.5591	2.5591	2.5591 / 2.5583	2.5591 / 2.5583	3.54	6.38	1.61	1.57	1.81	1.77	4.72	6.34	6.89	0.20	510
K09	2.9528	2.9528	2.9528 / 2.9520	2.9528 / 2.9520	3.94	7.56	2.17	1.57	2.36	2.17	5.91	7.68	8.27	0.20	510
K10	3.7402	3.7402	3.7402 / 3.7393	3.7402 / 3.7393	4.72	9.53	2.56	2.36	2.76	2.56	6.89	9.06	10.43	0.20	885
K12	4.1339	4.1339	4.1339 / 4.1329	4.1339 / 4.1329	5.51	9.53	3.35	2.36	3.54	2.95	8.07	11.02	11.61	0.20	1400
K15	4.9213	4.9213	4.9213 / 4.9203	4.9213 / 4.9203	6.30	12.20	3.54	2.36	3.74	2.95	9.84	12.99	13.78	0.00	2600
K16	5.5118	5.3150	5.5118 / 5.5108	5.3150 / 5.3140	7.09	12.80	4.72	2.36	4.92	2.95	12.01	16.65	17.52	0.98	2600

TORQUE ARM & OUTPUT FLANGE

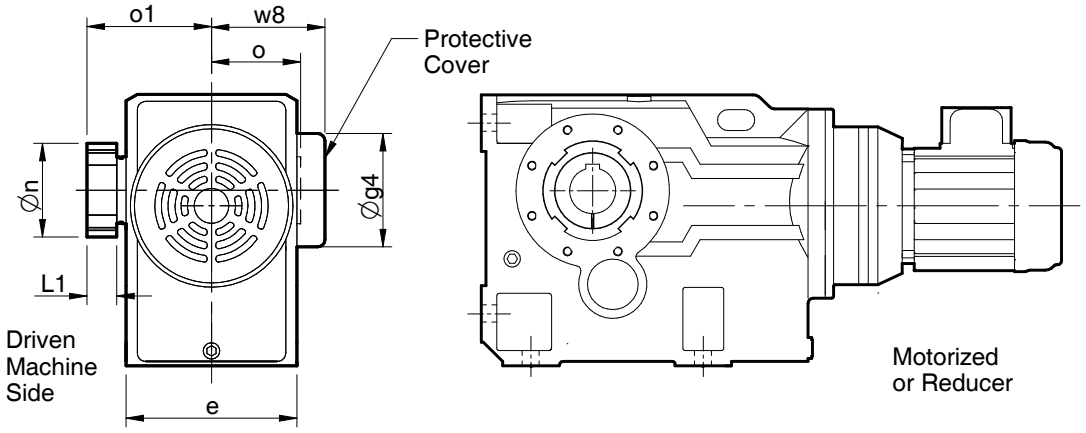


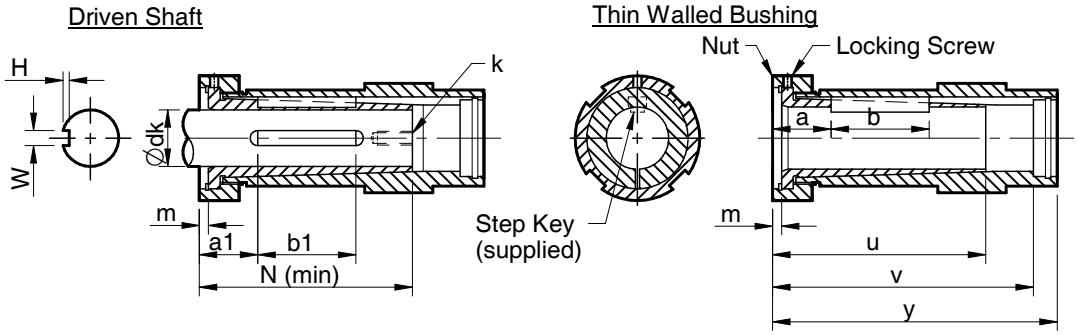
Size	a4	d1	G	i	L1	L2	P	R
K03	0.93	0.41	0.08	0.79	1.42	1.26	5.51	0.91
K04	1.18	0.41	0.08	0.79	1.42	1.26	6.30	0.91
K05	1.57	0.64	0.08	0.71	2.36	2.20	7.56	1.50
K06	1.77	0.64	0.08	0.98	2.36	2.20	7.87	1.50
K07	2.07	0.64	0.08	0.98	2.36	2.20	9.84	1.50
K08	2.36	1.00	0.20	1.18	3.15	2.76	11.81	1.77
K09	2.76	1.00	0.20	1.57	3.94	3.54	13.78	1.77
K10	2.91	1.00	0.20	1.77	3.94	3.54	17.72	1.77
K12	2.36	1.52	0.20	0.39	4.96	4.33	21.65	2.48
K15	1.97	1.52	0.20	0.08	4.96	4.33	27.56	2.76

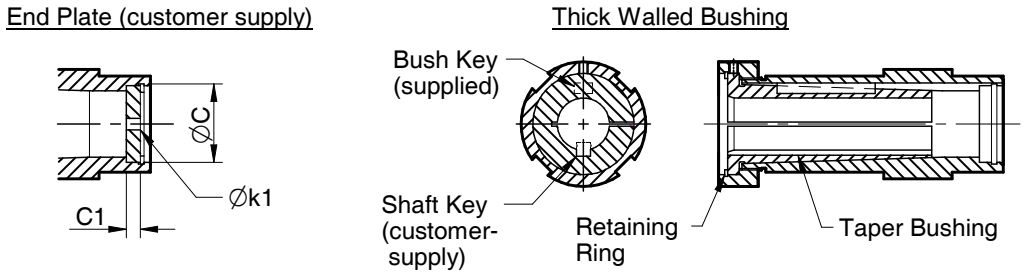


Size	a1	b1	c1	d	e1	f1	h	L	L12	m	o	o1	o3	s1	t	u	u
K03	6.30	4.3313 / 4.3303	0.39	1.0000 / 0.9995	5.12	0.16	3.94	1.85	1.57	45°	2.36	4.33	3.31	0.35 (x4)	1.11	0.250	8
K04	7.87	5.1187 / 5.1177	0.47	1.2500 / 0.2495	6.50	0.16	4.41	2.20	1.97	45°	2.95	5.31	4.53	0.43 (x4)	1.36	0.250	8
K05	9.84	7.0872 / 7.0862	1.02	1.3750 / 1.3745	8.46	0.16	5.20	2.60	2.20	45°	3.27	6.02	4.17	0.55 (x4)	1.51	0.313	10
K06	9.84	7.0872 / 7.0862	0.71	1.6250 / 1.6240	8.46	0.16	5.51	2.99	2.76	45°	3.54	6.73	5.12	0.55 (x4)	1.66	0.375	12
K07	11.81	9.0557 / 9.0546	0.71	2.0000 / 1.9990	10.43	0.16	7.09	3.74	3.15	45°	4.13	8.11	5.59	0.55 (x4)	2.23	0.500	14
K08	13.78	9.8425 / 9.8417	0.71	2.3750 / 2.3740	11.81	0.20	8.35	4.49	3.94	45°	4.72	9.45	6.50	0.71 (x4)	2.65	0.625	18
K09	17.72	13.7795 / 13.7783	0.79	2.8750 / 2.8740	15.75	0.20	10.43	5.31	4.33	22.5°	5.91	11.46	7.91	0.71 (x8)	3.03	0.750	20
K10	17.72	13.7795 / 13.7783	0.87	3.6250 / 3.6240	15.75	0.20	12.40	6.77	5.51	22.5°	6.89	13.66	9.25	0.71 (x8)	3.45	0.875	25
K12	17.72	13.7795 / 13.7783	0.87	4.3750 / 4.3740	15.75	0.20	14.76	8.39	7.09	22.5°	8.07	16.46	10.47	0.71 (8)	4.31	1.00	28
K15	25.98	21.6535 / 21.6520	1.10	4.7500 /4.7490	23.62	0.20	17.72	8.27	7.87	22.5°	9.84	17.99	12.20	0.87 (x8)	5.29	1.25	32
K16	25.98	21.6535 / 21.6520	1.10	6.2500 /6.2490	23.62	0.20	19.69	9.84	8.66	22.5°	12.01	21.85	13.54	0.87 (x8)	6.91	1.50	40

DIMENSIONS
TAPER RELEASE BUSHING







Size	Key		Bush	Hollow Shaft		Nut			Gear Unit			Cover	
	a	b	u	v	y	n	L1	m	o1	o	e	g4	w8
K05 (107TR)	1.90	2.50	5.00	7.50	8.20	3.31	1.26	0.27	4.57	3.27	6.18	4.25	4.65
K06 (115TR)	2.10	2.75	5.55	8.50	9.88	4.06	1.46	0.30	5.04	3.54	6.69	5.25	5.50
K07 (203TR)	1.55	3.25	5.55	9.55	11.3	4.31	1.46	0.30	5.35	4.13	7.87	5.25	6.00
K08 (207TR)	1.24	4.25	6.11	10.0	11.0	4.81	1.46	0.30	6.56	4.72	9.06	6.38	6.70
K09 (215TR)	2.09	3.50	7.08	12.6	13.5	5.68	1.76	0.38	7.95	5.91	11.42	6.90	8.27
K10 (307TR)	1.59	5.00	7.39	14.0	15.62	6.06	1.76	0.38	9.10	6.89	13.39	7.88	9.65
K12 (315TR)	1.88	5.00	7.67	16.4	18.0	6.81	1.80	0.42	10.33	8.07	15.75	9.45	11.60

For other dimensions - Consult Gear Unit Dimension Pages
For HP and Torque Ratings - Consult Gear Unit Selection Tables

DIMENSIONS
TAPER RELEASE BUSHING

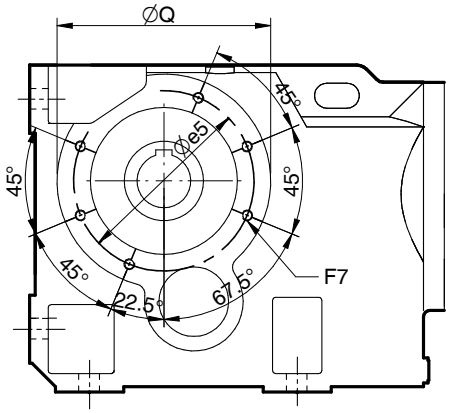
Size	Driven Shaft Diameter * (dk)	Type	Driven Shaft Keyway			Driven Shaft			End Plate			Circlip	Bush lb's
			W	H	b1(min)	a1	k	N (min)	C	C1	k1		
K05 (107TR)	1.000/0.996	Thick	1/4"	1/8"	2.75	-	1/2" UNC	5.00	1.64	0.30	5/8" UNC	N1300 - 0162	2.1
	1.125/1.121	Thick	1/4"	1/8"	2.75	-							1.8
	1.188/1.184	Thick	1/4"	1/8"	2.75	-							1.6
	1.250/1.246	Thin	1/4"	1/8"	2.50	1.89							1.5
	1.438/1.434	Thin	3/8"	3/16"	2.50	1.89							1.0
K06 (115TR)	1.188/1.184	Thick	1/4"	1/8"	2.75	-	1/2" UNC	5.55	2.25	0.37	5/8" UNC	N1300 - 0225	4.3
	1.250/1.246	Thick	1/4"	1/8"	2.75	-							4.1
	1.438/1.434	Thick	3/8"	3/16"	2.50	-							3.5
	1.500/1.496	Thick	3/8"	3/16"	2.50	-							3.3
	1.625/1.620	Thin	3/8"	3/16"	2.75	2.10							2.9
	1.688/1.683	Thin	3/8"	3/16"	2.75	2.10							2.7
	1.750/1.745	Thin	3/8"	3/16"	2.75	2.10							2.4
	1.938/1.933	Thin	1/2"	1/4"	2.75	2.10							1.7
K07 (203TR)	1.438/1.434	Thick	3/8"	3/16"	2.75	-	5/8" UNC	5.55	2.43	0.43	3/4" UNC	N1300 - 0244	5.0
	1.500/1.496	Thick	3/8"	3/16"	2.75	-							5.1
	1.625/1.620	Thick	3/8"	3/16"	2.75	-							4.6
	1.688/1.683	Thick	3/8"	3/16"	2.75	-							4.4
	1.750/1.745	Thick	3/8"	3/16"	2.75	-							4.1
	1.875/1.870	Thin	1/2"	1/4"	3.25	1.56							3.6
	1.938/1.933	Thin	1/2"	1/4"	3.25	1.56							3.3
	2.000/1.995	Thin	1/2"	1/4"	3.25	1.56							3.0
	2.188/2.183	Thin	1/2"	1/4"	3.25	1.56							2.9
K08 (207TR)	1.375/1.371	Thick	5/16"	5/32"	4.75	-	5/8" UNC	6.11	2.83	0.43	3/4" UNC	N1300 - 0281	7.6
	1.438/1.434	Thick	3/8"	3/16"	3.25	-							7.3
	1.500/1.496	Thick	3/8"	3/16"	3.25	-							7.1
	1.625/1.620	Thick	3/8"	3/16"	3.25	-							6.7
	1.688/1.683	Thick	3/8"	3/16"	3.25	-							6.4
	1.750/1.745	Thick	3/8"	3/16"	3.25	-							6.1
	1.875/1.870	Thick	1/2"	1/4"	3.25	-							5.6
	1.938/1.933	Thin	1/2"	1/4"	4.25	1.24							5.3
	2.000/1.995	Thin	1/2"	1/4"	4.25	1.24							5.0
	2.188/2.183	Thin	1/2"	1/4"	4.25	1.24							4.4
	2.250/2.245	Thin	1/2"	1/4"	4.25	1.24							3.7
	2.438/2.433	Thin	5/8"	5/16"	4.25	1.24							2.6
K09 (215TR)	1.938/1.933	Thick	1/2"	1/4"	5.25	-	7/8" UNC	7.08	3.33	0.50	1" UNC	N1300 - 0334	11.4
	2.000/1.995	Thick	1/2"	1/4"	5.25	-							11.1
	2.188/2.183	Thick	1/2"	1/4"	5.25	-							9.9
	2.250/2.245	Thick	1/2"	1/4"	5.25	-							9.5
	2.438/2.433	Thin	5/8"	5/16"	3.50	2.09							8.3
	2.500/2.495	Thin	5/8"	5/16"	3.50	2.09							7.8
	2.688/2.682	Thin	5/8"	5/16"	3.50	2.09							6.5
	2.938/2.932	Thin	3/4"	3/8"	3.50	2.09							4.5
K10 (307TR)	2.000/1.995	Thick	1/2"	1/4"	5.25	-	1" UNC	7.39	3.74	0.56	1-1/8" UNC	N1300 - 0375	17.8
	2.188/2.183	Thick	1/2"	1/4"	5.25	-							16.6
	2.250/2.245	Thick	1/2"	1/4"	5.25	-							16.2
	2.438/2.433	Thick	5/8"	5/16"	5.25	-							14.9
	2.500/2.495	Thick	5/8"	5/16"	5.25	-							14.4
	2.688/2.682	Thin	5/8"	5/16"	5.00	1.59							13.0
	2.938/2.932	Thin	3/4"	3/8"	5.00	1.59							10.9
	3.000/2.994	Thin	3/4"	3/8"	5.00	1.59							10.3
	3.188/3.182	Thin	3/4"	3/8"	5.00	1.59							8.6
	3.438/3.432	Thin	7/8"	7/16"	5.00	1.59							6.1
K12 (315TR)	2.438/2.433	Thick	5/8"	5/16"	5.25	-	1" UNC	7.92	4.32	0.75	1-1/8" UNC	N1300 - 0433	23.6
	2.500/2.495	Thick	5/8"	5/16"	5.25	-							23.1
	2.688/2.682	Thick	5/8"	5/16"	5.00	-							21.6
	2.938/2.932	Thick	3/4"	3/8"	5.00	-							19.4
	3.000/2.994	Thick	3/4"	3/8"	5.00	-							18.8
	3.438/3.432	Thin	7/8"	7/16"	5.00	1.88							14.3
	3.938/3.932	Thin	1"	1/2"	5.00	1.88							8.4

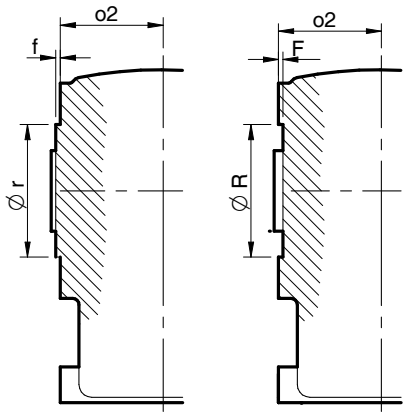
* Check the strength of the driven shaft

Thick Wall Bushing Length B1 - Check the stength of the key and adjust length as appropriate

DIMENSIONS
C (B14) FLANGE

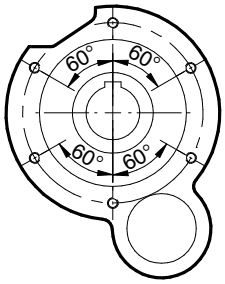
K03 K04 K08



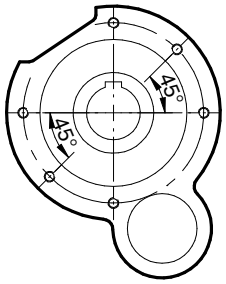


K03 - K07 K08 K16

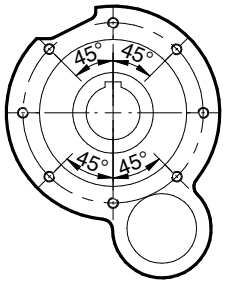
K05



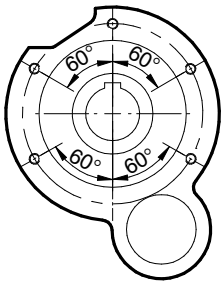
K06



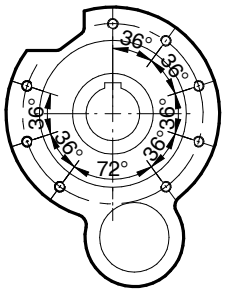
K07



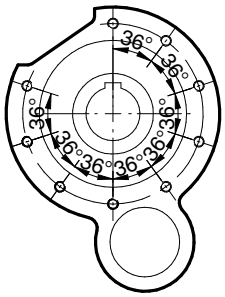
K09



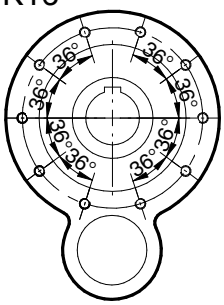
K10



K12



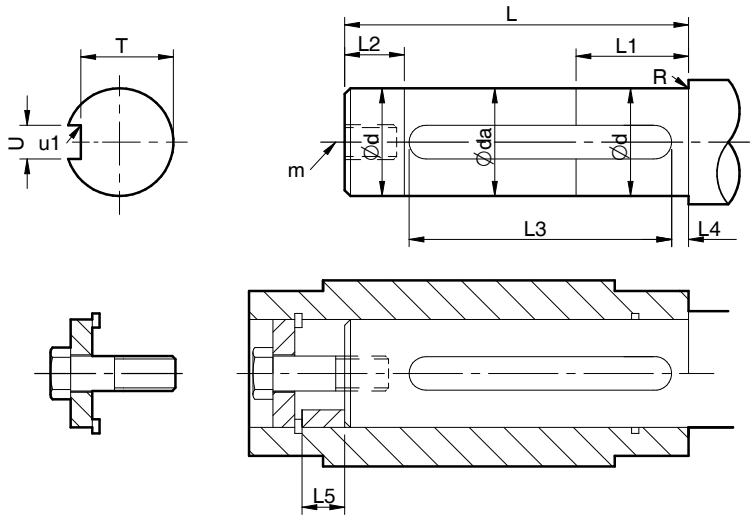
K15 K16



Size	e5	F7	o2	Q	r	R	f	F
K03	4.21	6 - M8 x 0.5"	2.17	4.80	3.346 / 3.345	-	0.10	-
K04	5.12	6 - M8 x 0.5"	2.76	5.75	4.134 / 4.132	-	0.10	-
K05	4.92	6 - M10 x 0.65"	2.95	5.91	4.134 / 4.132	-	0.12	-
K06	5.91	6 - M10 x 0.65"	3.27	7.09	5.118 / 5.116	-	0.14	-
K07	5.91	8 - M10 x 0.65"	3.74	7.09	5.118 / 5.116	-	0.24	-
K08	7.68	6 - M12 x 0.75"	4.53	8.66	-	5.907 / 5.906	-	0.20
K09	9.06	5 - M16 x 0.75"	5.71	10.24	-	7.088 / 7.087	-	0.24
K10	11.02	8 - M16 x 0.75"	6.69	12.20	-	8.270 / 8.268	-	0.28
K12	11.02	9 - M16 x 0.75"	7.87	12.20	-	8.270 / 8.268	-	0.28
K15	13.39	10 - M24 x 1.40"	9.29	15.75	-	11.419 / 11.417	-	0.31
K16	13.39	10 - M24 x 1.40"	10.63	15.75	-	11.419 / 11.417	-	0.31

DIMENSIONS STANDARD BORE ASSEMBLY

Assembly on Shaft - Customers Shaft Detail



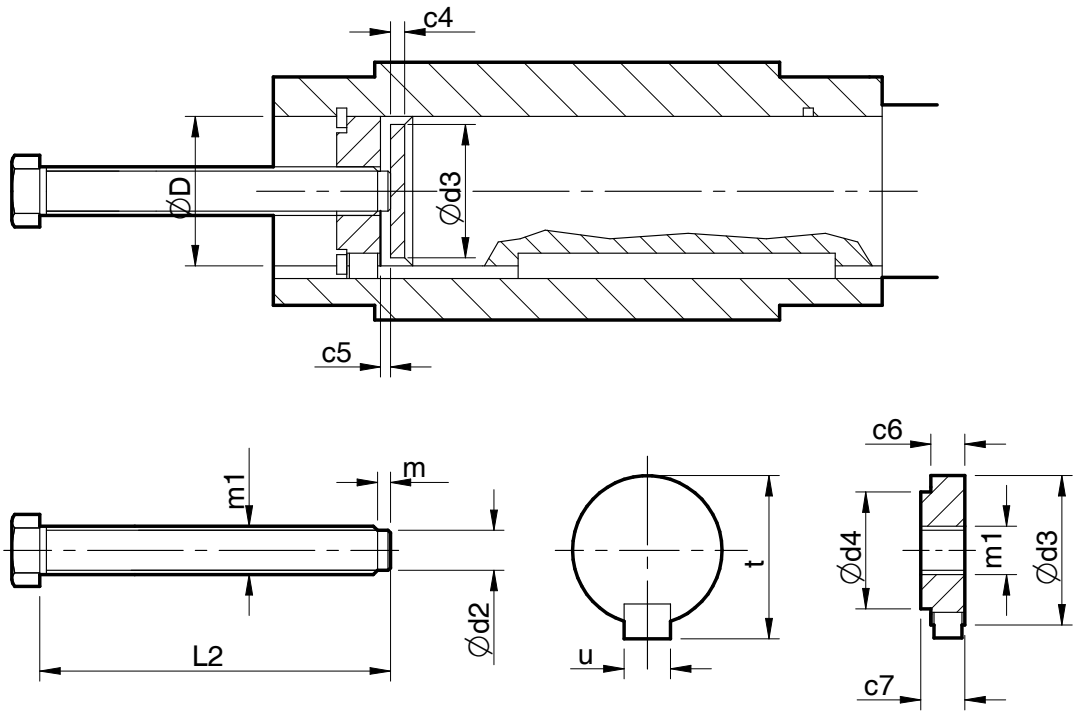
Size	d	da	L	L1	L2	L3	L4	L5	m	N (lb.in)	R	T	U	u1
K03	1.2496 1.2490	1.23	3.23	1.75	0.60	3.00	0.12	0.91	3/8 UNF 0.88 deep	130	0.03	1.112 1.106	0.252 0.250	0.01
K04	1.3746 1.3740	1.36	4.29	2.38	0.80	3.56	0.12	0.91	1/2 UNF 1.25 deep	175	0.03	1.201 1.195	0.3145 0.3125	0.01
K05	1.4996 1.4990	1.48	4.41	2.38	0.80	3.63	0.12	1.18	5/8 UNF 1.69 deep	400	0.03	1.289 1.283	0.377 0.375	0.01
K06	1.4996 1.4990	1.48	4.96	3.00	1.00	4.00	0.12	1.18	5/8 UNF 1.69 deep	400	0.03	1.289 1.283	0.377 0.375	0.01
K07	1.9996 1.9990	1.98	6.02	3.50	1.20	5.00	0.12	1.18	5/8 UNF 1.42 deep	400	0.03	1.718 1.712	0.502 0.500	0.02
K08	2.3746 2.3740	2.35	6.81	3.50	1.20	5.00	0.12	1.45	3/4 UNF 1.65 deep	750	0.03	2.021 2.006	0.627 0.625	0.02
K09	2.7496 2.7490	2.73	9.13	4.13	1.38	5.35	0.12	1.50	3/4 UNF 1.65 deep	750	0.03	2.402 2.387	0.627 0.625	0.02
K10	3.2495 3.2486	3.23	10.83	4.75	1.60	6.75	0.20	1.45	3/4 UNF 1.65 deep	750	0.03	2.831 2.816	0.752 0.750	0.02
K12	3.9995 3.9986	3.98	12.87	5.88	2.00	7.50	0.39	1.81	1.0 UNF 2.00 deep	1770	0.03	3.436 3.421	1.002 1.000	0.02
K15	4.4995 4.4986	4.48	17.09	7.00	2.38	10.75	0.50	1.02	1.0 UNF 2.00 deep	1770	0.03	3.994 3.992	1.002 1.000	0.02
K16	5.2495 5.2486	5.23	21.26	7.00	2.38	13.25	0.50	1.18	1.25 UNF 2.50 deep	3540	0.03	4.803 4.801	1.252 1.250	0.02

Assembly Instructions

1. Spray the hollow shaft bore and mating diameter of the output shaft with Rocol DFSM or equivalent anti-scuffing spray.
2. Fit key into shaft.
3. Fit the circlip into the output sleeve.
4. Fit the spacer tube only if the output shaft has no shoulder, then fit the output shaft into the output sleeve.
5. Secure in place with the washer and bolt. Torque tighten to the values stated in column N of the above table.

DIMENSIONS STANDARD BORE DISASSEMBLY

Disassembly Method from Shaft



Size	c4	c5	c6	c7	D	d2	d3	d4	L2	m	m1	t	u (max)
K03	0.20	0.12	0.59	0.67	1.250	0.50	1.245	0.80	5.25	0.2	5/8 UN	1.35	0.250
K04	0.20	0.12	0.59	0.67	1.375	0.50	1.370	1.00	6.50	0.2	5/8 UN	1.50	0.313
K05	0.20	0.16	0.79	0.91	1.500	0.80	1.495	1.13	7.50	0.2	1.0 UN	1.65	0.375
K06	0.20	0.16	0.79	0.91	1.500	0.80	1.495	1.13	7.50	0.2	1.0 UN	1.65	0.375
K07	0.20	0.16	0.79	0.91	2.000	0.80	1.995	1.50	8.75	0.2	1.0 UN	2.20	0.500
K08	0.31	0.20	0.94	1.06	2.375	1.00	2.370	1.88	10.00	0.2	1.25 UN	2.63	0.625
K09	0.31	0.24	0.94	1.06	2.750	1.00	2.745	2.18	12.25	0.2	1.25 UN	3.00	0.625
K10	0.31	0.24	0.94	1.06	3.250	1.00	3.245	2.60	14.25	0.2	1.25 UN	3.57	0.750
K12	0.31	0.31	1.18	1.34	4.000	1.20	3.995	3.20	16.50	0.2	1.5 UN	4.42	1.000
K15	0.40	0.39	1.18	1.34	4.500	1.20	4.495	3.50	20.50	0.2	1.5 UN	4.91	1.000
K16	0.40	0.39	1.42	1.57	5.250	1.20	5.245	4.30	25.00	0.2	1.5 UN	5.77	1.250

SHIPPING SPECIFICATION

Weight of Basemounted Units (lb's)

UNIT SIZE & No OF REDUCTIONS			K0332	K0352	K0432	K0452	K0532	K0552	K0632	K0652	K0732	K0752	K0832	K0852	K0932	K0952	K1032	K1052	K1232	K1252	K1532	K1552	K1632	K1652
REDUCER VERSION			35	53	46	64	71	95	88	113	135	154	249	307	384	435	675	708	1010	1070	1610	1714	2791	3181
SOLID OUTPUT SHAFT			1.5		2.4		2.9		4.0		7.7		13		24		41		77		108		194	
OUTPUT FLANGE			2.9		6.2		8.8		12		15		33		38		57		57		117		117	
MOTORIZED	56C	Exc Motor	38	57	50	68	69	99	86	117	129	157	257	306	-	434	-	710	-	1063	-	1707	-	-
		Inc Motor	63	82	75	93	94	124	111	142	154	182	282	331	-	459	-	735	-	1088	-	1732	-	-
	143TC	Exc Motor	38	57	50	68	69	99	86	117	129	157	257	306	-	434	-	710	-	1063	-	1707	-	-
		Inc Motor	68	87	80	98	99	129	116	147	159	187	287	336	-	464	-	740	-	1093	-	1737	-	-
	145TC	Exc Motor	38	57	50	68	69	99	86	117	129	157	257	306	-	434	-	710	-	1063	-	1707	-	-
		Inc Motor	78	97	90	108	109	139	126	157	169	197	297	346	-	474	-	750	-	1103	-	1747	-	-
	182TC	Exc Motor	41	61	52	72	84	108	102	126	142	160	264	321	387	449	664	725	984	1077	1584	1721	-	3184
		Inc Motor	96	116	107	127	139	163	157	181	197	215	319	376	442	504	719	780	1039	1132	1639	1776	-	3239
	184TC	Exc Motor	41	61	52	72	84	108	102	126	142	160	264	321	387	449	664	725	984	1077	1584	1721	-	3184
		Inc Motor	118	138	129	149	161	185	179	203	219	237	341	398	464	526	741	802	1061	1154	1661	1798	-	3261
	213TC	Exc Motor	-	-	-	-	84	-	102	-	142	-	264	321	387	449	664	725	984	1077	1584	1721	-	3184
		Inc Motor	-	-	-	-	199	-	217	-	257	-	379	436	502	564	779	840	1099	1192	1699	1836	-	3299
	215TC	Exc Motor	-	-	-	-	84	-	102	-	142	-	264	321	387	449	664	725	984	1077	1584	1721	-	3184
		Inc Motor	-	-	-	-	244	-	262	-	302	-	424	481	547	609	824	885	1144	1237	1744	1881	-	3344
	254TC	Exc Motor	-	-	-	-	-	-	-	-	142	-	264	-	387	-	664	725	984	1077	1584	1721	-	3184
		Inc Motor	-	-	-	-	-	-	-	-	427	-	549	-	672	-	949	1010	1269	1362	1869	2006	-	3469
	256TC	Exc Motor	-	-	-	-	-	-	-	-	142	-	264	-	387	-	664	725	984	1077	1584	1721	-	3184
		Inc Motor	-	-	-	-	-	-	-	-	452	-	574	-	697	-	974	1035	1294	1387	1894	2031	-	3494
	284TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	422	-	698	-	984	-	1584	-	2877	3219
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	852	-	1128	-	1414	-	2014	-	3307	3649
	286TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	422	-	698	-	984	-	1584	-	2877	3219
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	867	-	1143	-	1429	-	2029	-	3322	3664
	324TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	437	-	698	-	992	-	1592	-	2880	3234
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	967	-	1228	-	1522	-	2122	-	3410	3764
	326TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	437	-	698	-	992	-	1592	-	2880	3234
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	1092	-	1353	-	1647	-	2247	-	3535	3889
	364TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	997	-	1597	-	2885	-
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1712	-	2312	-	3600	-
	365TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	997	-	1597	-	2885	-
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1837	-	2437	-	3725	-
	404TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1028	-	1628	-	2885	-
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2128	-	2728	-	3985	-
	405TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1028	-	1628	-	2885	-
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2228	-	2828	-	4085	-
	444TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2914	-
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4754	-
	445TC	Exc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2914	-
		Inc Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4874	-

All weights exclude lubricant and are for standard shaft mount units, for flange or base mount units add weight of flange / shaft (shown at top of table) to the figures shown above

IMPORTANT

Product Safety Information

General - The following information is important in ensuring safety. It **must** be brought to the attention of personnel involved in the selection of the equipment, those responsible for the design of the machinery in which it is to be incorporated and those involved in its installation, use and maintenance.

The equipment will operate safely provided it is selected, installed, used and maintained properly. As with any power transmission equipment **proper precautions must** be taken as indicated in the following paragraphs, to ensure safety.

Potential Hazards - these are **not** necessarily listed in any order of severity as the degree of danger varies in individual circumstances. It is important therefore that the list is studied in its entirety:-

1) Fire/Explosion
   (a) Oil mists and vapour are generated within gear units. It is therefore dangerous to use an open flame in the proximity of gearbox openings, due to the risk of fire or explosion.
   (b) In the event of fire or serious overheating (over 300 °C), certain materials (rubber, plastics, etc.) may decompose and produce fumes. Care should be taken to avoid exposure to the fumes, and the remains of burned or overheated plastic/rubber materials should be handled with rubber gloves.

2) Guards - Rotating shafts and couplings must be guarded to eliminate the possibility of physical contact or entanglement of clothing. It should be of rigid construction and firmly secured.

3) Noise - High speed gearboxes and gearbox driven machinery may produce noise levels which are damaging to the hearing with prolonged exposure. Ear defenders should be provided for personnel in these circumstances. Reference should be made to the Codes of Practice for reducing exposure of employed persons to noise.

4) Lifting - Where provided (on larger units) only the lifting points or eyebolts must be used for lifting operations (see maintenance manual or general arrangement drawing for lifting point positions). Failure to use the lifting points provided may result in personal injury and/or damage to the product or surrounding equipment. Keep clear of raised equipment.

5) Lubricants and Lubrication
   (a) Prolonged contact with lubricants can be detrimental to the skin. The manufacturer's instruction must be followed when handling lubricants.
   (b) The lubrication status of the equipment must be checked before commissioning. Read and carry out all instructions on the lubricant plate and in the installation and maintenance literature. Heed all warning tags. Failure to do so could result in mechanical damage and in extreme cases risk of injury to personnel.

6) Electrical Equipment - Observe hazard warnings on electrical equipment and isolate power before working on the gearbox or associated equipment, in order to prevent the machinery being started.

7) Installation, Maintenance and Storage
   (a) In the event that equipment is to be held in storage, for a period exceeding 6 months, prior to installation or commissioning, application engineering must be consulted regarding special preservation requirements. Unless otherwise agreed, equipment must be stored in a building protected from extremes of temperature and humidity to prevent deterioration.

   The rotating components (gears and shafts) must be turned a few revolutions once a month (to prevent bearings brinelling).
   (b) External gearbox components may be supplied with preservative materials applied, in the form of a "waxed" tape overwrap or wax film preservative. Gloves should be worn when removing these materials. The former can be removed manually, the latter using white spirit as a solvent.

   Preservatives applied to the internal parts of the gear units do not require removal prior to operation.
   (c) Installation must be performed in accordance with the manufacturer's instructions and be undertaken by suitably qualified personnel.
   (d) Before working on a gearbox or associated equipment, ensure that the load has been removed from the system to eliminate the possibility of any movement of the machinery and isolate power supply. Where necessary, provide mechanical means to ensure the machinery cannot move or rotate. Ensure removal of such devices after work is complete.
   (e) Ensure the proper maintenance of gearboxes in operation. Use only the correct tools and approved spare parts for repair and maintenance. Consult the Maintenance Manual before dismantling or performing maintenance work.

8) Hot Surfaces and Lubricants
   (a) During operation, gear units may become sufficiently hot to cause skin burns. Care must be taken to avoid accidental contact.
   (b) After extended running the lubricant in gear units and lubrication systems may reach temperatures sufficient to cause burns. Allow equipment to cool before servicing or performing adjustments.

9) Selection and Design
   (a) Where gear units provide a backstop facility, ensure that back-up systems are provided if failure of the backstop device would endanger personnel or result in damage.
   (b) The driving and driven equipment must be correctly selected to ensure that the complete machinery installation will perform satisfactorily, avoiding system critical speeds, system torsional vibration, etc.
   (c) The equipment must not be operated in an environment or at speeds, powers, torques or with external loads beyond those for which it was designed.
   (d) As improvements in design are being made continually the contents of this catalogue are not to be regarded as binding in detail, and drawings and capacities are subject to alterations without notice.

The above guidance is based on the current state of knowledge and our best assessment of the potential hazards in the operation of the gear units.

Any further information or clarification required may be obtained by contacting an Application Engineer.

radicon

An Elecon Group Company

Series C Helical Worm

C

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GENERAL DESCRIPTION

Series C right angle helical worm geared motors and reducers provide a highly efficient and compact solution to meet most requirements up to 60 HP with maximum output torque capacity of 88,500 Lb-In.

Following a long line of power transmission products, this product adds to the growing family of new drives which has taken advantage of our many years of accumulated design expertise, together with the use of high quality materials and components. The end result is a series of speed reducing and geared motors offering high load carrying capacity, increased efficiency, quiet running and reliability.

The Range Includes

Eight sizes of units with a ratio coverage of 8:1 to 250:1 in double reduction and 16000:1 in combined units.

Version W - Standard unit (C03 - C06 Only)
Version B - Standard unit with base mounted feet
Version E - Standard unit with end mounted feet
Version R - Standard unit with top mounted feet
Version V - Standard unit with Drywell and output flange for mounting positions 2 & 3 (sizes C07 - C10 only)
Version F/H - Standard unit with output flange
Version G - Standard unit with output flange reduced dia (size C03 only)
Version T/Q - Standard unit with Banjo torque arm
Version U - Standard unit Banjo torque arm Heavy Duty (C10 only)
Version A - Agitator (Sizes C07 - C10 only)

Unit Types:
Unit type M - Motorized with IEC standard motor
Unit type J - Motorized with Compact Motor
Unit type N - Motorized with NEMA standard motor
Unit type H - Motorized with high efficiency motor (IE2 or EPACT)
Unit type E - Motorized with NEMA high efficiency motor (EPACT)
Unit type G - Unit to allow fitting of customers IEC motor
Unit type A - Unit to allow fitting of customers NEMA motor
Unit type R - Reducer unit
Unit type S - Reducer unit with fan kit
Unit type W - Reducer unit with backstop CCW rotation
Unit type X - Reducer unit with backstop CW rotation
Unit type Y - Reducer unit with fan and backstop CW rotation
Unit type Z - Reducer unit with fan and backstop CCW rotation

Design Features Include

Patented standard motor connection (IEC or NEMA).

Ability to fit double oil seals input and output as required.

All units are dimensionally interchangeable with other major manufacturers.

Brake geared motors are available as standard.

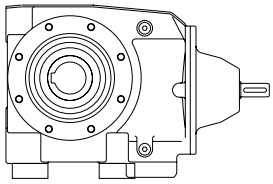
Sizes 03, 04, 05 and 06 are lubricated for life.

Motorized units can be fitted with a backstop module and reducer units can be fitted with a backstop and fan.

Units are manufactured and assembled from a family of modular kits for distributor friendliness minimising inventory and maximising availability.

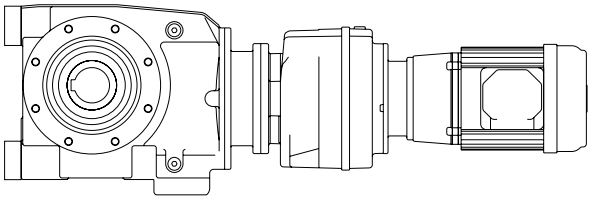
As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.

* Typical unit designations



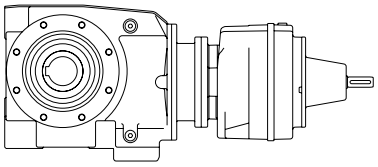
Two stage reduction unit with base mounted feet and hollow output shaft

* C 0 4 2 1 1 8 . B R A - 1 - - - - - - -



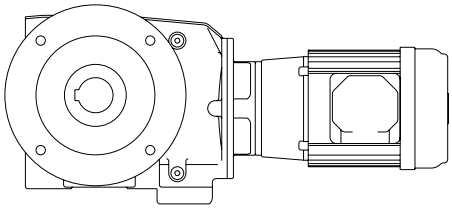
Four stage Motorized unit with end mounted feet and hollow output shaft

* C 0 4 4 1 2 8 0 E N A - 1 A . 2 5 B - -



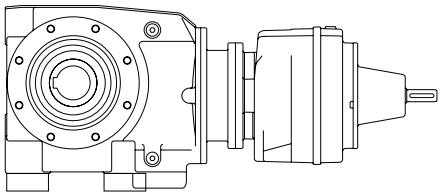
Four stage reduction unit with hollow output shaft

* C 0 5 4 1 2 8 0 W R A - 1 - - - - - - -



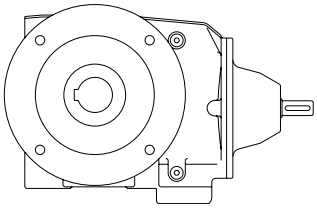
Two stage Motorized unit with output flange and single extension output shaft

* C 0 5 2 1 1 1 2 F N N - 1 A 0 . 5 B - -



Four stage reduction unit with base mounted feet and hollow output shaft

* C 0 4 4 1 2 8 0 B R A - 1 - - - - - - -



Two stage reduction unit with output flange and single extension output shaft

* C 0 5 2 1 1 6 0 F R N - 1 - - - - - - -

UNIT DESIGNATIONS

	Gearbox Codes													Motor Codes						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
*	C																			
Example	C	0	3	2	1	5	0	.	B	M	C	-	1	D	.	1	8	A	-	-

13 - Mounting Position

1	⇔ M1
2	⇔ M6
3	⇔ M5
4	⇔ M3
5	⇔ M4
6	⇔ M2

1 - Series C

Range [C]

2, 3 - Size of Unit

[0 3] Through [1 0]

4 - No of Reductions

[2] [3] & [4]

5 - Revision Version

[1] For Sizes 03 to 10

6,7,8 - Nominal Overall Ration

E.g. [5 0 .]

9 - Unit Version

- [W] - Standard Unit (C03 - C06 Only)
- [B] - Standard Unit with Base Mounted Feet
- [E] - Standard Unit with End Mounted Feet
- [R] - Standard Unit with Top Mounted Feet
- [V] - Standard Unit with Drywell and Output Flange For Mounting Position 2 & 3 (Sizes C07 - C10 only)

Std Unit with Output Flange [F] on Left [H] on Right

- [G] - Std Unit with Output Flange Reduced Dia (C03 Only)

Std Unit with Banjo Torque Arm [T] on Left [Q] on Right

- [U] - Std Unit Banjo Torque Arm Heavy Duty (C10 Only)

10. - Type of Unit

- [N] - Motorized with NEMA Standard Motor
- [J] - Motorized with Compact Motor
- [E] - Motorized with NEMA High Efficiency Motor (PREMIUM)
- [A] - Unit to allow fitting of NEMA Motor (customer own motor)
- [M] - Motorized with IEC Standard Motor
- [G] - Unit to allow fitting of IEC motor (customer own motor)
- [R] - Reducer unit
- [S] - Reducer unit with fan kit
- [W] - Reducer unit with backstop CCW rotation
- [X] - Reducer unit with backstop CW rotation
- [Y] - Reducer unit with fan and backstop CW rotation
- [Z] - Reducer unit with fan and backstop CCW rotation

20 - Additional Gearbox Features

Double Oil Seal, Motorized Backstop Etc

e.g. [-] [F]

19 - Additional Motor Features

e.g. [-] [A]

For Types Without Motor Enter [-]

18 - No of Motor Features

[-] No motor

	50 Hz		60 Hz	
4 Pole (Std) 1500 rpm	[A]	1800 rpm	[B]	
4 Pole (High)1500 rpm	[K]	1800 rpm	[L]	
6 Pole (Std) 1000 rpm	[C]	1200 rpm	[D]	
6 Pole (High)1000 rpm	[M]	1200 rpm	[N]	
2 Pole 3000 rpm	[E]	3600 rpm	[F]	
8 Pole 750 rpm	[G]	900 rpm	[H]	

[S] Dual speed or special motor

15, 16, 17 - Geared Motor Powers

Motor Power Required

e.g. [. 7 5]

For reducer and non standard motor types enter [- - -]

13, 14 - Mounting Position

e.g. [2 B]

12 - Motor Adaptor For Unit Types Column 10 Entries M, N, H, E, G or A

For All Other Types Enter [-]

11 - Output Shaft

Standard Single Extension [N] on Left [B] on Right

Standard Double Extension [P]

Extended Shaft for Flange Mounted Units [G]

Standard Hollow Shaft [A]

Unit with Hollow Shaft with Reduced Bore Dia [Z]

See output options pages for metric shaft options

This Page May Be Photocopied Allowing The Customer To Enter Their Order

EXPLANATION & USE OF RATINGS & SERVICE FACTORS

Gear unit selection is made by comparing actual loads with catalogue ratings. Catalogue ratings are based on a standard set of loading conditions, whereas actual load conditions vary according to type of application. Service Factors are therefore used to calculate an equivalent load to compare with catalogue ratings.
i.e. Equivalent Load = Actual Load x Service Factor

Mechanical ratings and service factor Fm

Mechanical ratings measure capacity in terms of life and/or strength, assuming 10 hr/day continuous running under uniform load conditions.

Catalogue ratings allow 100% overload at starting, braking or momentarily during operation up to 10 hours per day.

The unit selected must therefore have a catalogue rating at least equal to half maximum overload.

Mechanical Service Factor Fm (Table 1) is used to modify the actual load according to daily operating time, and type of loading.

Load characteristics for a wide range of applications are detailed in Table 3 opposite, which are used in deciding the appropriate Service Factor Fm from Table 1.

If overloads can be calculated, or accurately assessed, actual loads should be used instead of Fm.

For units subjected to frequent stop/starts overloads in excess of 10 times/day multiply factor Fm x Factor Fs (table 2).

Table 1. Mechanical Service Factor (Fm)

Prime mover	Duration of service hrs per day	Load classification-driven machine		
		Uniform mass acceleration factor < 0.2	Moderate mass acceleration factor < 3	Heavy mass acceleration factor < 10
Electric motor, steam turbine or hydraulic motor	Under 3	0.80	1.00	1.50
	3 to 10	1.00	1.25	1.75
	Over 10	1.25	1.50	2.00
Multi-cylinder internal combustion engine	Under 3	1.00	1.25	1.75
	3 to 10	1.25	1.50	2.00
	Over 10	1.50	1.75	2.25
Single cylinder internal combustion engine	Under 3	1.25	1.50	2.00
	3 to 10	1.50	1.75	2.25
	Over 10	1.75	2.00	2.50

$$\text{Mass acceleration factor} = \frac{\text{all external moments of inertia *}}{\text{moment of inertia of driving motor}}$$

* calculated with reference to the motor speed

Table 2. Number of Starts Factor (Fs)

Start / Stops per hour (1)	Up to 1	5	10	40	60	> 200
Factor Fs	1.00	1.03	1.06	1.10	1.15	1.20

Note: (1) Intermediate values are obtained by linear interpolation

Thermal Rating (For In-line Reducers)

The Thermal Rating is the gearboxes ability to dissipate heat. If exceeded, may cause the lubricant to break down resulting in premature gear failure. A thermal check should be made in accordance with the Thermal Rating Procedure

LOAD CLASSIFICATIONS BY APPLICATIONS

Table 3

Load Classifications - **U** =Uniform Load **M** =Moderate Shock Load **H** =Heavy Shock Load **†** =Consult our Engineers

Agitators	
Pure liquids	U
Liquids and solids	M
Liquids variable density	M
Blowers	
Centrifugal	U
Lobe	M
Vane	U
Brewing & distilling	
Bottling machinery	M
Brew Kettles	M
Cookers	M
Mash tubs	M
Scale hopper	M
Can filling machinery	M
Crane knife	M
Car dumper	M
Car puller	M
Clarifier	U
Classifier	M
Clay wokring machinery	
Brick press	H
Briquette machine	H
Clay working machinery	M
Plug mill	M
Compressors	
Centrifugal	U
Lobe	M
Reciprocating	
Multi cylinder	M
Single cylinder	H
Conveyors- Light duty uniform load	
Apron	U
Assembly	U
Belt	U
Bucket	U
Chain	U
Flight	U
Oven	U
Screw	U
Conveyors - Heavy duty uniform load	
Apron	M
Assembly	M
Belt	M
Bucket	M
Chain	M
Flight	M
Live roll	†
Oven	M
Reciprocating	M
Screw	M
Shaker	M
Cranes	†
Crusher	
Ore	H
Stone	H
Sugar	H
Dredger	M
Cable reals	M
Conveyors	M
Cutter head drive	H
Pumps	M
Screen drive	H
Stackers	M
Winches	M

Elevators	
Bucket - Uniform load	U
Bucket - Heavy load	M
Bucket - Continuous	U
Centrifugal discharge	U
Escalators	U
Freight	M
Gravity discharge	U
Passenger lifts	†
Fans	
Centrifugal	U
Cooling towers	
Induced draft	†
Forced draft	†
Fan - Large diameter induced draft	M
Fan - Light, small diameter	M
Feeders	
Apron	M
Belt	M
Disc	U
Reciprocating	H
Screw	M
Food industry	
Cereal cooker	U
Dough mixer	M
Meat grinder	M
Meat slicer	M
Generators - not welding	U
Hammer mills	H
Hoists	
Heavy duty	H
Medium duty	M
Skip hoist	M
Laundry	
Tumbler	M
Washer	M
Line shafts	
Heavy duty	M
Light duty	U
Lumber industry	
Barkers	M
Burner conveyor	H
Chain/ Drag saw	H
Chain transfer	H
Chain way transfer	H
De- barking drum	H
Edger feed	M
Gang feed	M
Green chain	M
Live roll	H
Log deck	H
Log haul	H
Log turning	H
Log converyor	H
Of bearing roll	M
Planer feed chaines	M
Planer hoist	M
Re-saw conveyor	M
Roll cases	H
Slab conveyor	H
Sorting table - triple hoist	M
Triple hoist - Drive /conveyor	M
Transfer converor	M
Transfer roll	M
Tray drive	M
Trimmer feed	M
Waster conveyor	M
Small waste conveyor (belt)	U
Small waste conveyor (chain)	U

Machine Tools	
Bending roll	M
Punch press	H
Notching press	H
Plate planer	H
Other machine tools	
Main drive	M
Aux drive	U
Metal mills	
Carriage/main drive	M
Draw bench	M
Dryer	M
Flattening machinery	M
Pinch drive	M
Reversing slitters	M
Scrubber rolls	M
Table conveyors	
Group drives	H
Individual drives	H
Table conveyors- reversing	H
Wire draw	M
Wire roll	M
Mills	
Cement kiln	H
Dryer, Cooler	H
Kiln (other)	H
Rod plain	H
Rod wedge bar	H
Rotary/ Ball	H
Tumbling barrel	H
Mixers	
Concrete	M
Cons density	U
Variable density	M
Oil industry	
Chiller's	M
Oil well pump	M
Filter press	M
Rotary kiln	M
Paper industry	
Agitator (mixer)	M
Barker (hydraulic)	M
Barker (mechanical)	H
Barking drum	H
Beater & Pulper	M
Bleacher	U
Calednders	M
Calenders- super	H
Converting machine	M
Conveyors	U
Couch	M
Cutters - plates	H
Cylinders	M
Dryers	M
Felt stretcher	M
Felt whipper	H
Jordans	M
Log haul	H
Machine real	M
Presses	M
Stock chest	M
Suction roll	M
Washers & thickeners	M
Winders	M
Printing presses	†
Pullers	
Barge haul	H

Pumps	
Centrifugal proportioning	U
Proportioning	M
Reciprocating	
Single acting 3+ cylinders	M
Double acting 2+ cylinders	M
Single acting 1 & 2 cylinders	†
Double acting 1 cylinder	†
Rotary- gear type	U
Rotary- lobe type/ vane	U
Sand muller	M
Sewage treatment	
Bar screen	U
Chemical feeder	U
Collector	U
Dewatering screw	M
Mixers	M
Scum breaker	M
Thickness	M
Vacuum filters	M
Screens	
Air washing	U
Rotary, stone or gravel	M
Traveling water intake	U
Slab pushers	M
Slewing	H
Steering gear	†
Stokers	U
Sugar industry	
Can knife	M
Crusher	M
Mills	M
Textile industry	
Batchers	M
Calenders	M
Cards	M
Dry cans	M
Dryers	M
Dyeing machinery	M
Knitting machinery	M
Looms	M
Mangles	M
Nappers	M
Pads	M
Range drive	M
Slashers	M
Soapers	M
Spinners	M
Tenter frame	M
Washers	M
Winders	M
Windlass	†

C

SELECTION PROCEDURE FOR MOTORIZED UNITS

EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine	=	1.3HP
Output speed of gearbox or Input speed of machine	=	130 rev/min
Application	=	Uniformly loaded belt conveyor
Duration of service (hours per day)	=	24hrs
Mounting position	=	1
Ambient temperature	=	70°F
Running time (%)	=	100%

NOTE.

If selecting a Series C Reducer for use without a Fan Ventilated Motor A Thermal Check must be made.

1 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application,

Application = Uniformly loaded belt conveyor

Conveyors-uniformly loaded or fed	
apron	U
assembly	U
belt	U
bucket	U
chain	U

U = Uniform load

Refer to mechanical service factor (Fm)

Duration of service (hours per day) = 24hrs

Prime mover	Duration of service hrs per day	Load classification-drive	
		Uniform	Moderate
Electric motor, steam turbine or hydraulic motor	Under 3	0.80	1.00
	3 to 10	1.00	1.25
	Över 10	1.25	1.50

Therefore mechanical service factor (Fm) = 1.25

If the unit is subject to frequent start/stops Fm must be multiplied by factor Fs

2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUTSHAFT

Absorbed output torque = $\frac{\text{Absorbed HP x 6300}}{\text{Gearbox output speed}}$

$\frac{1.3 \times 63000}{68}$ = 630 lb-in

3 SELECT GEARED MOTOR

Refer to selection table one motor size larger than absorbed power.
Absorbed power = 1.3 HP, therefore refer to 1.5 HP selection table

Required output speed of gearbox = 130 rev/min

1.5 HP

4 POLE 1750 rpm nominal input speed

N2 Output Speed	i Ratio	lb-in Output Torque	Fm Service Factor	lb Overhung Load	Unit Designation Column Entry Spaces to be filled when entering order	Weight	Motor Size
201	8.59	394	1.74	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 1 . 5 B _ _	62.7	145TC
149	11.61	527	1.41	625	1 1 .		
131	13.20	595	1.29	625	1 2 .		
115	14.95	672	1.18	625	1 4 .		
105	16.36	657	1.12	625	1 6 .		
90	19.13	855	0.99	625	1 8 .		
84	20.61	921	0.93	575	2 0 .		
78	22.11	873	0.92	575	2 2 .		
69	25.14	987	0.84	525	2 5 .		

Go to point 4

4 CHECK OUTPUT TORQUE

Output torque (M2) of selected unit must be equal or more than required output torque at gearbox outputshaft.

Required output torque at gearbox outputshaft = 630 lb.in

1.5 HP

N2 Output Speed	i Ratio	lb-in Output Torque	Fm Service Factor	lb Overhung Load	Unit Designation Column Entry Spaces to be filled when entering order	Weight	Motor Size
201	8.59	394	1.74	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 1 . 5 B _ _	62.7	145TC
149	11.61	527	1.41	625	1 1 .		
131	13.20	595	1.29	625	1 2 .		
115	14.95	672	1.18	625	1 4 .		
105	16.36	657	1.12	625	1 6 .		

However the output torque is only 595 against the requirement of 630 lb.in, hence a unit fitted with a 2HP motor is required.

2 HP

N2 Output Speed	i Ratio	lb-in Output Torque	Fm Service Factor	lb Overhung Load	Unit Designation Column Entry Spaces to be filled when entering order	Weight	Motor Size
201	8.59	526	1.30	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 2 . 0 B _ _	69.7	145TC
149	11.61	703	1.06	625	1 1 .		
131	13.20	794	0.96	625	1 2 .		
115	14.95	896	0.89	560	1 4 .		
105	16.36	876	0.84	525	1 6 .		

Selected unit's output torque (M2) = 794 lb.in, therefore the torque from a 2HP motor is acceptable.

C

5 CHECK SERVICE FACTOR

Service factor (Fm) of selected unit must be equal or more than required service factor.

Required service factor of gearbox = 1.25

2 HP

N2 Output Speed	i Ratio	lb-in Output Torque	Fm Service Factor	lb Overhung Load	Unit Designation Column Entry Spaces to be filled when entering order	Weight	Motor Size
201	8.59	526	1.30	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 2 . 0 B _ _	69.7	145TC
149	11.61	703	1.06	625	1 1 .		
131	13.20	794	0.96	625	1 2 .		
115	14.95	896	0.89	560	1 4 .		
105	16.36	876	0.84	525	1 6 .		
201	8.59	536	2.16	1180	C 0 4 2 1 8 . 0 _ _ _ _ _ _ 2 . 0 B _ _	69.7	145TC
149	11.61	719	1.76	1180	1 1 .		
131	13.20	813	1.60	1180	1 2 .		
115	14.95	918	1.47	1180	1 4 .		

The service factor (Fm) is only 0.96, therefore this unit is not acceptable.and a larger C0421 unit must be selected with a service factor (Fm) of 1.60

5 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the outputshaft then refer to Overhung Loads Procedure, page 54, and compare with allowable overhung load (lb) of selected unit

Allowable overhung load (lb) must be equal or more than calculated overhung load requirement

2 HP

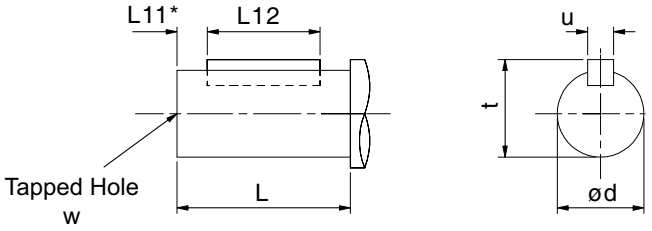
N2 Output Speed	i Ratio	lb-in Output Torque	Fm Service Factor	lb Overhung Load	Unit Designation Column Entry Spaces to be filled when entering order	Weight	Motor Size
201	8.59	526	1.30	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 2 . 0 B _ _	69.7	145TC
149	11.61	703	1.06	625	1 1 .		
131	13.20	794	0.96	625	1 2 .		
115	14.95	896	0.89	560	1 4 .		
105	16.36	876	0.84	525	1 6 .		
201	8.59	536	2.16	1180	C 0 4 2 1 8 . 0 _ _ _ _ _ _ 2 . 0 B _ _	69.7	145TC
149	11.61	719	1.76	1180	1 1 .		
131	13.20	813	1.60	1180	1 2 .		
115	14.95	918	1.47	1180	1 4 .		

NOTE: If any of the following conditions occur then consult our Application Engineers:-

a) Inertia of the Driven Machine (Referred to motor speed) >10
Inertia of Gear Unit plus Motor

b) Ambient temperature is above 104ºC

OUTPUTSHAFT OPTIONS, COLUMN 11 ENTRY



* Inch shafts have open ended keyways, therefore no 'L11' dimension is required

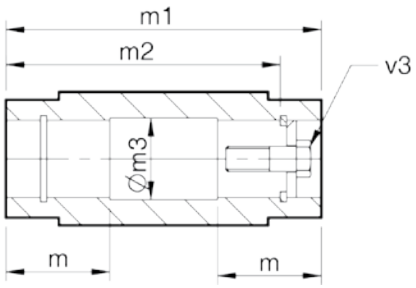
Column 11 Entry

Standard Single Extension [C] on Left [E] on Right
Standard Double Extension [D]
Std Extended Shaft for Flange Mounted Units [F]
Std Heavy Duty Single Extension (Size C06) [J]
Std Heavy Duty Double Extension (Size C06) [K]
Inch Single Extension [N] on Left [B] on Right
Inch Double Extension [P]
Inch Extended Shaft for Flange Mount Units [G]
Inch Heavy Duty Single Extension (Size C06) [L]

C

SIZE OF UNIT	TYPE OF OUTPUT SHAFT	COLUMN 11 ENTRY	DIMENSIONS IN MM (Inch shaft in inches)						
			ød	L	L11	L12	t	u	w
C03	Standard	C, E, D	20.015 / 20.002	35	3	31 2	2.5	6	M6 x 1.0 x 16 Deep
	Inch	N, B, P	0.7500" / 0.7495"	1.38"	*	1.28"	0.83"	0.19"	1/4 UNF x 0.63" Deep
C04	Standard	C, E,D	25.015 / 25.002	46	3	42	28	8	M10 x 1.5 x 22 Deep
	Inch	N, B, P	1.0000" / 0.9995"	1.81"	*	1.69"	1.10"	0.25"	1/4 UNF x 0.63" Deep
C05	Standard	C, E, D	30.015 / 30.002	60	3	53	33	8	M10 x 1.5 x 22 Deep
	Inch	N, B, P	1.2500" / 1.2494"	2.36"	*	2.125"	1.36"	0.25"	3/8 UNF x 0.87" Deep
C06	Standard	C, E, D	35.018 / 35.002	63	3	55	38	10	M12 x 1.75 x 22 Deep
	Standard Heavy Duty	J, K	45.018 / 45.002	98	5	80	48.5	14	M16 x 2.0 x 36 Deep
	Inch	N, B, P	1.3750" / 1.3744"	2.48"	*	2.34"	1.51"	0.313"	1/2 UNF x 1.125" Deep
	Inch Heavy Duty	L	1.7500" / 1.7494"	3.86"	*	3.75"	1.92"	0.375"	5/8 UNF x 1.44" Deep
C07	Standard	C, E, D	45.018 / 45.002	76	3	70	48.5	14	M16 x 2.0 x 36 Deep
	Std Extended Shaft	F	45.018 / 45.002	90	3	84	48.5	14	M16 x 2 x 36 Deep
	Inch	N, B	1.7500" / 1.7494"	2.99"	*	2.625"	1.917"	0.375"	5/8 UNF x 1.44" Deep
	Inch Extended Shaft	G	1.7500" / 1.7494"	3.54"	*	2.75"	1.91"	0.375"	5/8 UNF x 1.44" Deep
	Inch Double Ext	P	1.7500" / 1.7494"	2.99"	*	2.625"	1.917"	0.375"	5/8 UNF x 1.44" Deep
C08	Standard	C, E, D	60.030 / 60.011	120	3	110	64	18	M20 x 2.5 x 42 Deep
	Std Extended Shaft	F	60.030 / 60.011	120	3	110	64	18	M20 x 2.5 x 42 Deep
	Inch	N, B	2.3750" / 2.3744"	4.72"	*	4.125"	2.646"	0.625"	3/4 UNF x 1.75" Deep
	Inch Extended Shaft	G	2.3750" / 2.3744"	4.72"	*	3.25"	2.64"	0.625"	3/4 UNF x 1.75" Deep
	Inch Double Ext	P	2.3125" / 2.3115"	4.72"	*	4.125"	2.582"	0.625"	3/4 UNF x 1.75" Deep
C09	Standard	C, E, D	70.030 / 70.011	135	3	125	74.5	20	M20 x 2.5 x 42 Deep
	Std Extended Shaft	F	70.030 / 70.011	140	3	125	74.5	20	M20 x 2.5 x 42 Deep
	Inch	N, B	2.8750" / 2.8740"	5.12"	*	4.5"	3.20"	0.75"	3/4 UNF x 1.75" Deep
	Inch Extended Shaft	G	2.8750" / 2.8740"	5.51"	*	3.50"	3.20"	0.75"	3/4 UNF x 1.75" Deep
	Inch Double Ext	P	2.6875" / 2.6865"	5.12"	*	4.5"	2.963"	0.625"	3/4 UNF x 1.75" Deep
C10	Standard	C, E, D	90.035 / 90.013	170	3	160	95	25	M24 x 3.0 x 50 Deep
	Std Extended Shaft	F	90.035 / 90.013	170	3	160	95	25	M24 x 3.0 x 50 Deep
	Inch	N, B	3.6250" / 3.6240"	6.69"	*	5.875"	4.009"	0.875"	1 UNF x 2.25" Deep
	Inch Extended Shaft	G	3.6250" / 3.6240"	6.69"	*	5.51"	4.00"	0.875"	1 UNF x 2.25" Deep
	Inch Double Ext	P	3.1875" / 3.1865"	6.69"	*	5.875"	3.518"	0.750"	1 UNF x 2.25" Deep

OUTPUT BORE OPTIONS, COLUMN 11 ENTRY



Column 11 Entry

Metric Hollow Shaft	H
Inch Hollow Shaft	A
Metric Hollow Shaft with reduced bore diameter	Z

SIZE OF UNIT	TYPE OF BORE	COLUMN 11 ENTRY	Dimensions (Metric Shafts in mm)							
			øD	m	m1	m2	øm3	T	U	w3
C03	Metric	H	20.021/20.000	52	124	104	20.2	22.9	6	M6 x 1.0, 40
	Inch	A	0.7508”/0.7500”	2.05”	4.88”	4.13”	0.76”	0.84”	0.188”	$^1/_4$” UNF x 1$^1/_2$”
C04	Metric	H	30.021/30.000	54	130	122	30.2	33.5	8	M10 x 1.5, 50
	Metric Reduced	Z	25.021/25.000	54	130	125	25.2	28.5	8	M10 x 1.5, 50
	Inch	A	1.2510”/1.2500”	2.13”	5.12”	4.81”	1.26”	1.37”	0.25”	$^3/_8$ UNF x 2”
C05	Metric	H	35.025/35.000	56	140	127	35.3	38.5	10	M12 x 1.75, 55
	Metric Reduced	Z	30.021/30.000	56	140	127	30.3	33.5	8	M10 x 1.5 x 45
	Inch	A	1.3760”/1.3750”	2.20”	5.52”	5.00”	1.39”	1.53”	0.313”	$^1/_2$” UNF x 2”
C06	Metric	H	45.025/45.000	70	180	156	45.3	49	14	M16 x 2.0, 70
	Metric Reduced	Z	40.025/40.000	70	180	156	40.3	43.5	12	M16 x 2.0, 70
	Inch	A	1.5010”/1.5000”	2.76”	7.08”	6.14”	1.51”	1.67”	0.375”	$^5/_8$” UNF x 2$^3/_4$”
C07	Metric	H	60.030/60.000	79	218	188	60.5	64.6	18	M20 x 2.5, 80
	Metric Reduced	Z	50.030/50.000	79	218	191	50.5	54	14	M16 x 2.0, x 70
	Inch	A	2.0010”/2.0000”	3.11”	8.58”	7.41”	2.02”	2.23”	0.50”	$^5/_8$” UNF x 3”
C08	Metric	H	70.030/70.000	90	250	220	70.5	75.1	20	M20 x 2.5, 80
	Metric Reduced	Z	60.030/60.000	90	250	220	60.5	64.6	18	M20 x 2.5, 80
	Inch	A	2.3760”/2.3750”	3.54”	9.84	8.68”	2.40”	2.66”	0.625”	$^3/_4$” UNF x 3”
C09	Metric	H	90.035/90.000	107.5	300	265	90.5	95.6	25	M24 x 3.0, 110
	Metric Reduced	Z	70.030/70.000	107.5	300	270	70.5	75.1	20	M20 x 2.5, 100
	Inch	A	2.7510”/2.7500”	4.23”	11.82”	10.65”	2.76”	3.04”	0.625”	$^3/_4$” UNF x 4$^1/_4$”
C10	Metric	H	100.035/100.000	132.5	350	313	100.5	106.6	28	M24 x 3.0, 110
	Metric Reduced	Z	80.030/80.000	132.5	350	313	80.5	85.6	22	M20 x 2.5, 100
	Inch	A	3.2510”/3.2500”	5.22”	13.78”	12.32”	3.26”	3.59”	0.75”	1” UNF x 4$^1/_4$”

C

Double Reduction Units

Compact Motor - Column 12 Entry - J

Power	C0321		C0421		C0521		C0621		C0721		C0821	
	8.0 -28. 36. - 40.	32. 45. - 250	8.0 -28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250
0.33 HP	•	•	•	•	-	•	-	-	-	-	-	-
0.50 HP	•	•	•	•	-	•	-	-	-	-	-	-
0.75 HP	•	•	•	•	•	•	-	•	-	-	-	-
1.0 HP	•	•	•	•	•	•	-	•	-	-	-	-
1.5 HP	•	-	•	-	•	-	•	•	-	•	-	-
2.0 HP	•	-	•	-	•	-	•	•	-	•	-	-
3.0 HP	-	-	-	-	-	-	•	•	-	•	-	•
4.0 HP	-	-	-	-	-	-	•	•	-	•	-	•
5.5 HP	-	-	-	-	-	-	•	-	-	•	-	•
7.5 HP	-	-	-	-	-	-	•	-	-	•	-	•
10 HP	-	-	-	-	-	-	-	-	-	•	-	•

NEMA Motor C Face - Column 12 Entry

Motor	C0321		C0421		C0521		C0621		C0721		C0821		C0921		C1021	
	8.0 -28. 36. - 40.	32. 45. - 250	8.0 -28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250
56c	T	U	T	U	T	U	-	Q	-	Q	-	M	-	-	-	-
143/145TC	V	W	V	W	V	W	-	R	-	R	-	N	-	-	-	-
182/184TC	X	-	X	-	X	-	S	T	S	T	J	P	-	S	-	P
213/215TC	-	-	-	-	-	-	U	-	U	V	K	Q	-	T	-	Q
254/256TC	-	-	-	-	-	-	-	-	W	-	L	U	P	U	L	R
284/286TC	-	-	-	-	-	-	-	-	-	-	-	-	Q	V	M	S
324/326TC	-	-	-	-	-	-	-	-	-	-	-	-	R	W	N	T

IEC Motor Flange B5 - Column 12 Entry

Motor	C0321		C0421		C0521		C0621		C0721		C0821		C0921		C1021	
	8.0 -28. 36. - 40.	32. 45. - 250	8.0 -28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250
63	F	F	F	F	-	F	-	V	-	-	-	-	-	-	-	-
71	G	G	G	G	-	G	-	D	-	-	-	-	-	-	-	-
80	A	J	A	J	A	J	W	F	-	F	-	D	-	E	-	-
90	C	Q	C	Q	C	Q	Y	H	-	H	-	E	-	F	-	-
100	-	-	-	-	-	-	A	K	A	K	A	F	-	G	-	E
112	-	-	-	-	-	-	A	K	A	K	A	F	-	G	-	E
132	-	-	-	-	-	-	N	P	C	M	B	G	-	H	-	F
160	-	-	-	-	-	-	-	-	E	P	C	H	A	J	A	G
180	-	-	-	-	-	-	-	-	-	-	-	-	B	K	B	H
200	-	-	-	-	-	-	-	-	-	-	-	-	C	L	C	J
225	-	-	-	-	-	-	-	-	-	-	-	-	D	M	D	K

IEC Motor Flange B14 - Column 12 Entry

Motor	C0321		C0421		C0521		C0621		C0721	
	8.0 -28. 36. - 40.	32. 45. - 250	8.0 -28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250
71	H	H	H	H	-	H	-	-	-	-
80	B	K	B	K	B	K	-	G	-	G
90	D	R	D	R	D	R	Z	J	-	J
100	E	S	E	S	E	S	B	L	B	L
112	E	S	E	S	E	S	B	L	B	L
132	-	-	-	-	-	-	-	-	D	N

Triple Reduction Units

Compact Motor - Column 12 Entry - J

Power	C0331		C0431		C0531		C0631		C0731	
	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	100 - 150 200 - 225	160 - 180 265 - 900	132 - 150	100 - 118 160 - 900
0.33 HP	•	•	•	•	•	•	-	•	-	-
0.50 HP	•	•	•	•	•	•	-	•	-	-
0.75 HP	•	•	•	•	•	•	•	•	-	•
1.0 HP	•	•	•	•	•	•	•	•	-	•
1.5 HP	•	-	•	-	•	-	•	-	•	•
2.0 HP	•	-	•	-	•	-	•	-	•	•
3.0 HP	-	-	-	-	-	-	-	-	•	•
4.0 HP	-	-	-	-	-	-	-	-	•	•
5.5 HP	-	-	-	-	-	-	-	-	•	-
7.5 HP	-	-	-	-	-	-	-	-	•	-
10 HP	-	-	-	-	-	-	-	-	-	-

NEMA Motor C Face - Column 12 Entry

Motor	C0331		C0431		C0531		C0631		C0731	
	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	100 - 150 200 - 225	160 - 180 265 - 900	132 - 150	100 - 118 160 - 900
56c	T	U	T	U	T	U	T	U	-	Q
143/145TC	V	W	V	W	V	W	V	W	-	R
182/184TC	X	-	X	-	X	-	X	-	S	T
213/215TC	-	-	-	-	-	-	-	-	U	-

IEC Motor Flange B5 - Column 12 Entry

Motor	C0331		C0431		C0531		C0631		C0731	
	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	100 - 150 200 - 225	160 - 180 265 - 900	132 - 150	100 - 118 160 - 900
63	F	F	F	F	F	F	-	F	-	V
71	G	G	G	G	G	G	-	G	-	D
80	A	J	A	J	A	J	A	J	W	F
90	C	Q	C	Q	C	Q	C	Q	Y	H
100	-	-	-	-	-	-	-	-	A	K
112	-	-	-	-	-	-	-	-	A	K
132	-	-	-	-	-	-	-	-	N	P

IEC Motor Flange B14 - Column 12 Entry

Motor	C0331		C0431		C0531		C0631		C0731	
	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	100 - 150 200 - 225	160 - 180 265 - 900	132 - 150	100 - 118 160 - 900
71	H	H	H	H	H	H	-	H	-	-
80	B	K	B	K	B	K	B	K	-	G
90	D	R	D	R	D	R	D	R	Z	J
100	E	S	E	S	E	S	E	S	B	L
112	-	-	-	-	-	-	-	-	B	L

C

Quadruple Reduction Units

Compact Motor - Column 12 Entry - J

Power	C0341	C0441	C0541	C0641	C0741	C0841		C0941		C1041	
	All Ratios	All Ratios	All Ratios	All Ratios	All Ratios	500	560 +	500	560 +	450	560 +
0.33 HP	•	•	•	•	•	-	-	-	-	-	-
0.50 HP	•	•	•	•	•	-	-	-	-	-	-
0.75 HP	•	•	•	•	•	-	•	-	•	-	-
1.0 HP	•	•	•	•	•	-	•	-	•	-	-
1.5 HP	-	-	-	-	-	•	•	•	•	-	•
2.0 HP	-	-	-	-	-	•	•	•	•	-	•
3.0 HP	-	-	-	-	-	•	•	•	•	-	•
4.0 HP	-	-	-	-	-	•	•	•	•	-	•
5.5 HP	-	-	-	-	-	•	-	•	-	-	•
7.5 HP	-	-	-	-	-	•	-	•	-	-	•
10 HP	-	-	-	-	-	-	-	-	-	-	•

C

NEMA Motor C Face - Column 12 Entry

Motor	C0341	C0441	C0541	C0641	C0741	C0841		C0941		C1041	
	All Ratios	All Ratios	All Ratios	All Ratios	All Ratios	500	560 +	500	560 +	450	560 +
56c	U	U	U	U	U	-	Q	-	Q	-	Q
143/145TC	W	W	W	W	W	-	R	-	R	-	R
182/184TC	-	-	-	-	-	S	T	S	T	S	T
213/215TC	-	-	-	-	-	U	-	U	-	U	V

IEC Motor Flange B5 - Column 12 Entry

Motor	C0341	C0441	C0541	C0641	C0741	C0841		C0941		C1041	
	All Ratios	All Ratios	All Ratios	All Ratios	All Ratios	500	560 +	500	560 +	450	560+
63	F	F	F	F	F	-	V	-	V	-	-
71	G	G	G	G	G	-	D	-	D	-	-
80	J	J	J	J	J	W	F	W	F	-	F
90	Q	Q	Q	Q	Q	Y	H	Y	H	-	H
100	-	-	-	-	-	A	K	A	K	A	K
112	-	-	-	-	-	A	K	A	K	K	K
132	-	-	-	-	-	N	P	N	P	C	M
160	-	-	-	-	-	-	-	-	-	E	-

IEC Motor Flange B14 - Column 12 Entry

Motor	C0341	C0441	C0541	C0641	C0741	C0841		C0941		C1041	
		All Ratios	All Ratios	All Ratios	All Ratios	500	560 +	500	560 +	450	560 +
71	H	H	H	H	H	-	-	-	-	-	-
80	K	K	K	K	K	-	G	-	G	-	G
90	R	R	R	R	R	Z	J	Z	J	-	J
100	S	S	S	S	S	B	L	B	L	B	L
112	-	-	-	-	-	B	L	B	L	B	L
132	-	-	-	-	-	-	-	-	-	D	N

LUBRICANT AND QUANTITY

Note: Catalogue ratings are based on the Polyglycol Synthetic Lubricant
Use witj mineral or alternative lubricants may require a derate, please contact our Application Engineers.

Unit sizes C03, 04, 05 and 06 are factory filled with a grade 6G lubricant.

Unit sizes C07, 08, 09 and 10 will be despatched without oil.

The oil grade is stamped on the name plate and the oil level should be established by filling until the oil escapes via the level plug,

The grade and level are determined from the operating speed of the gear unit and the ambient temperature range, which if not given when ordering will be assumed to be 1750 rev / min input and ambient temperature range 0 to 95ºF. Oil grades and oil level should always be checked before installation, Consult the Installation and Maintenance instructions provided with the gear unit.
To determine the oil grade refer to table 1, and then refer to the Installation and Maintenance instructions to select an approved lubricant
To determine the oil capacity refer to appropriate table 2 or 3. Oil capacities are only approximate and units should be filled until oil escapes from the level plug holes. Do not overfill as excess will cause overheating and leakage.

Always fill with correct lubricant as marked on the nameplate. Never mix lubricant grades.

See Installation and Maintenance instructions for lists of approved lubricants within the grades.

Unless stated with the order these operating conditions will be assumed

TABLE 1 SERIES C OIL GRADES

GEAR UNIT DETAILS			AMBIENT TEMPERATURE RANGE *		
UNIT TYPE	**RATIO RANGE**	**INPUT SPEED(REV / MIN)**	**-22ºF to 68ºF**	**32ºF to 95ºF**	**68ºF to 122ºF**
DOUBLES	8 - 18	0 - 750	6G	6G	8G
		0>750 - 2000	5G	6G	7G
		>2000 - 3000	4G	6G	6G
	20 - 36	0 - 2000	6G	6G	8G
		>2000 - 3000	5G	6G	7G
	40 - 250	0 - 3000	6G	6G	8G
QUADRUPLES	< - 2800	0 - 750	6G	7G	9G
		>750 - 3000	6G	6G	8G
	3200 - 16000	0 - 3000	6G	7G	9G

* For other ambient temperatures please refer to our Application Engineers.

TABLE 2 LUBRICANT QUANTITY (LITERs †) (double reduction and final stage quadruple reduction)

DOUBLE, TRIPLE AND FINAL STAGE QUADRUPLE REDUCTION															
Unit Size			**C0321**	**C0331**	**C0421**	**C0431**	**C0521**	**C0531**	**C0621**	**C0631**	**C0721**	**C0731**	**C0821**	**C0921**	**C1021**
MOUNTING POSITION	1	Level 1 *	0.3	0.4	0.4	0.5	0.7	0.9	1.5	2.1	4.5	4.8	7.1	17	28
		Level 2 *									3.0	3.8	5.9	11	17
	2		0.5	0.8	0.7	0.9	1.0	1.4	2.3	2.5	3.5	3.7	6.2	12	21
	3		0.5	0.8	0.7	0.9	1.0	1.4	2.2	2.5	3.7	3.7	6.2	12	21
	4	Level 1 *	0.7	1.2	1.0	1.5	1.4	2.1	3.1	4.0	5.1	5.9	9.5	17	26
		Level 2 *									3.0	3.6	4.8	8.3	14
	5		0.6	1.0	0.9	1.3	1.4	2.0	3.0	4.6	5.6	6.6	9.6	18	31
	6	Level 1 *	0.7	1.2	1.0	1.5	1.4	1.9	3.2	4.0	7.4	9.2	12	25	42
		Level 2 *									5.1	6.9	9.5	17	28

* Use Level 1 for output speeds lower than 100 rpm * Use Level 2 for output speeds of 100 rpm and higher.

† 1 LITER = 0.26 gallon (US)

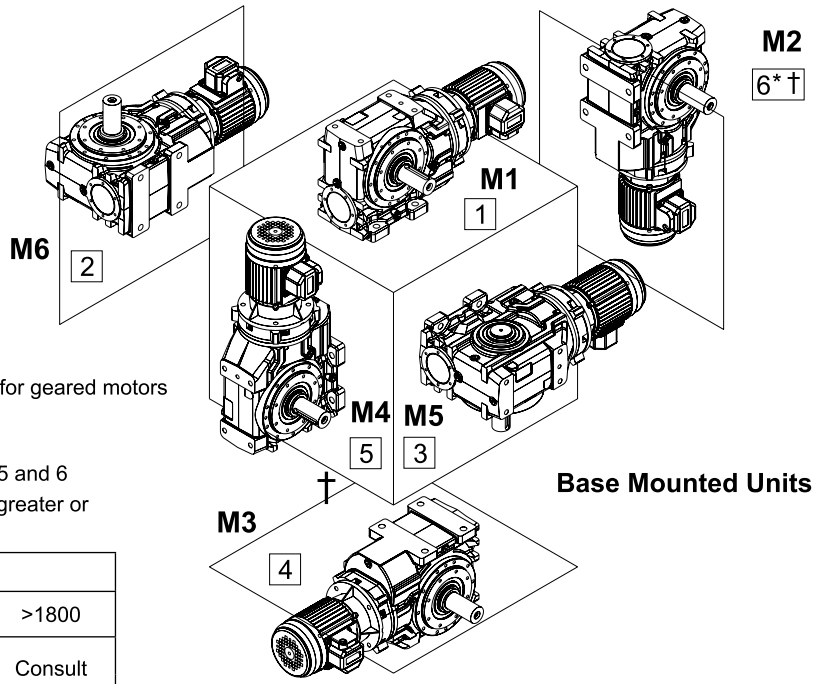
TABLE 3 LUBRICANT QUANTITY (LITERs †) (primary stage quadruple reduction)

PRIMARY STAGE QUADRUPLE REDUCTION									
Unit Size		**C0341**	**C0441**	**C0541**	**C0641**	**C0741**	**C0841**	**C0941**	**C1041**
SECONDARY UNIT (Lubricant quantity see table 2)		**C0321**	**C0421**	**C0521**	**C0621**	**C0721**	**C0821**	**C0921**	**C1021**
PRIMARY UNIT		**M0122**	**M0122**	**M0122**	**M0322**	**M0322**	**M0522**	**M0522**	**M0722**
PRIMARY QUANTITY • (Unit lubricant)	1 to 4	0.5	0.5	0.5	0.8	0.8	1.5	1.5	2.6
	5 & 6	1.0	1.0	1.0	1.4	1.4	2.6	2.6	4.7

• Unit filled with Grade 6E lubricant suitable for all ambient temperatures between 32ºF to 95ºF and are 'lubricated for life'

COLUMN 13 ENTRY

Enter [-] for units with no oil fll

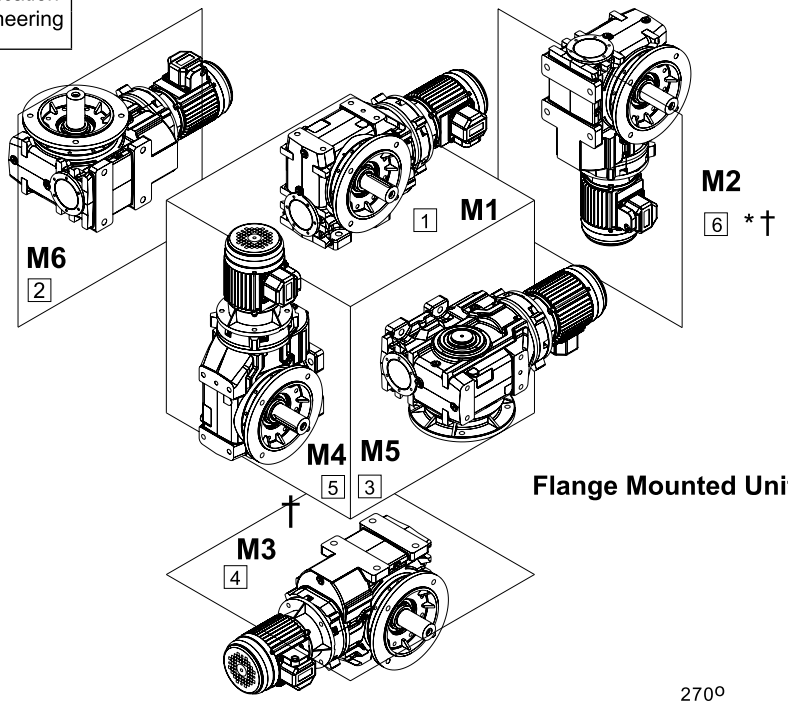


Base Mounted Units

* Mounting Position 6 is not recommended for geared motors - Consult Application Engineering

† Gear Units for use in mounting positions 5 and 6 should only be selected with overall ratios greater or equal to those shown in table below

Unit Size	Input Speed (rpm)			
	1000	1500	1800	>1800
C03-C08	All	All	All	Consult Application Engineering
C09	18:1	18:1	25:1	
C10	18:1	40:1	63:1	



Flange Mounted Units

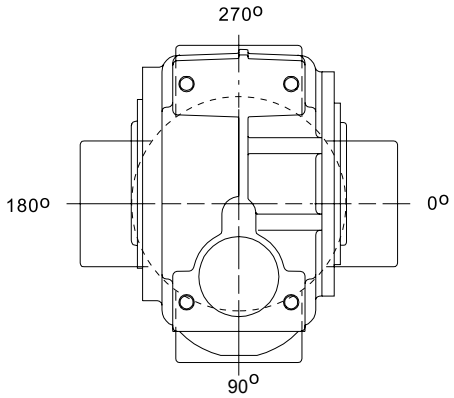
MOUNTING POSITIONS - SHOWN AS MOTORIZED

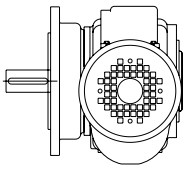
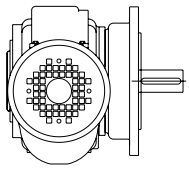
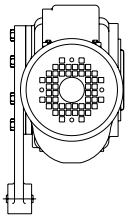
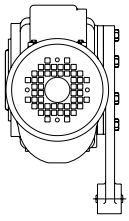
- APPLIES ALSO FOR REDUCERS

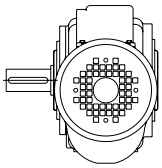
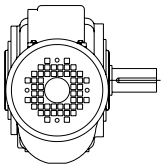
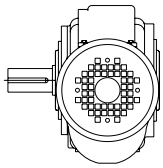
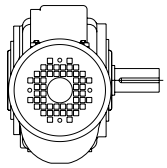
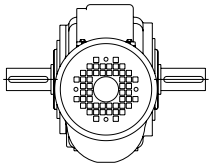
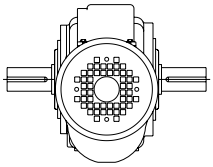
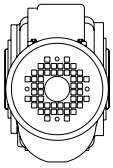
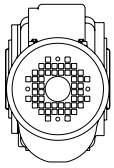
COLUMN 14 ENTRY

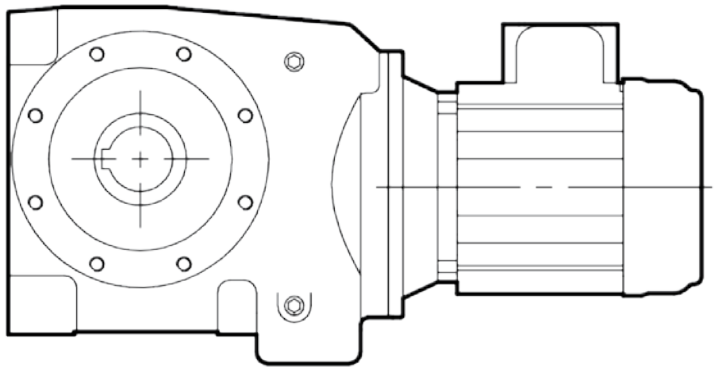
ALL MOTORS

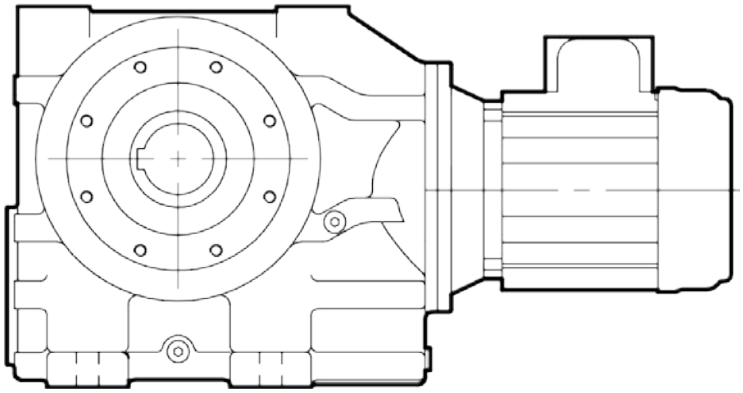
Column 14 Entry	Terminal Box Position
A	0º
B	90º
C	180º
D	270º
-	Reducer or no motor ftted



Column 9 entry	Left	Right
Std unit with foutput flange	F 	H 
Std unit with Torque bracket	T 	Q 

Column entry 11	Metric		Inch	
	Left	Right	Left	Right
Single output shaft	C 	E 	N 	B 
Double output shaft	D 		P 	
Hollow shaft	H 		A 	



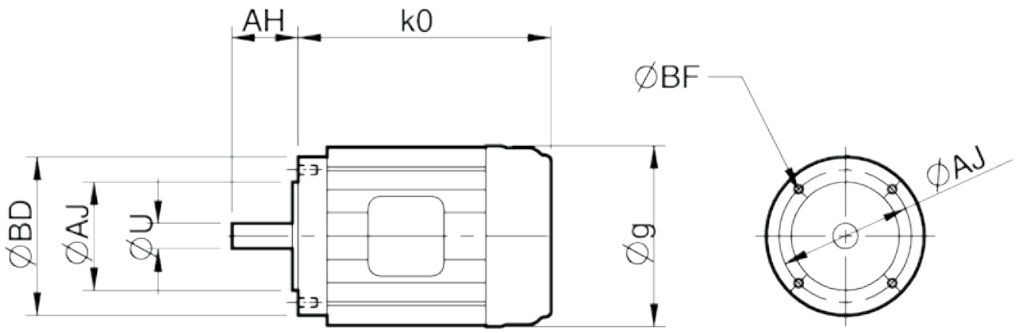


C

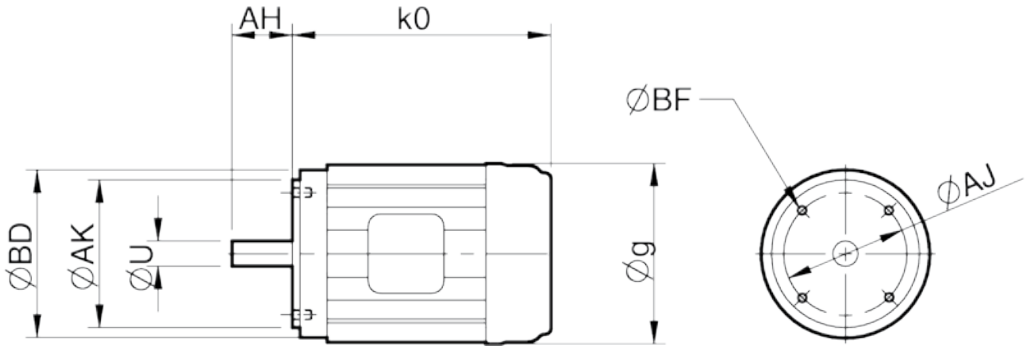
MOTORIZED

SERIES C

NEMA Standard Motors



MOTOR FRAME SIZE	Ø BD	Ø AJ	Ø AK	Ø U	AH	ko max	Ø g	BF TAP UNC
56C	6.50	5.875	4.5	0.625	2.062	12.00	6.13	3/8 - 16
143TC/145TC	6.50	5.875	4.5	0.875	2.125	12.00	7.19	3/8 - 16



MOTOR FRAME SIZE	Ø BD	Ø AJ	Ø AK	Ø U	AH	ko max	Øg	BF TAP UNC
182TC/184TC	9.00	7.25	8.5	1.125	2.625	15.50	8.50	1/2 - 13
213TC/215TC	9.00	7.25	8.5	1.375	3.125	16.50	10.19	1/2 - 13
254TC/256TC	10.00	7.25	8.5	1.625	3.75	20.00	12.50	1/2 - 13
284TC/286TC	11.25	9.00	10.5	1.875	4.375	23.25	15.56	1/2 - 13
324TC/326TC	13.875	11.00	12.5	2.125	5.00	25.25	16.94	5/8 - 11
364TC/365TC	13.875	11.00	12.5	2.375	5.625	27.00	19.00	5/8 - 11
404TC/405TC	13.875	11.00	12.5	2.875	7.00	30.00	20.63	5/8 - 11

ADDITIONAL MOTOR FEATURES - COLUMN 19 ENTRY

Column 19 Entry	Brake Motor	Hand Release on Brake	Forced Ventilation/ Constant Blower (TECB)	Thermistors	Special
-					
A	•				
B	•	•			
C			•		
D	•		•		
E	•	•	•		
F				•	
G	•			•	
H	•	•		•	
K			•	•	
L	•		•	•	
M	•	•	•	•	
S					•

Please refer to Application Engineering for details of the following additional motor features

- PGF encoder flange
- Wash down
- Customised brake torque
- Separate brake supply
- Aluminium fan
- Anti Condensation heater
- Bi-metal temperature detectors, Thermostat
- EExEIIT3
- Ex nA II T3
- IP56
- IP65
- Metal fan cover
- Rain cowl
- Separate terminal box

ADDITIONAL GEARBOX FEATURES - COLUMN 20 ENTRY

Column 20 Entry	Double Output Shaft Oil Seals	Oil Level Glass C07 - C10	* Motorized Backstop		Special
			CW Rotation	CCW Rotation	
-					
A	•				
B		•			
C	•	•			
D			•		
E	•		•		
F		•	•		
G	•	•	•		
H				•	
I	•			•	
J		•		•	
K	•	•		•	
L					•

Please refer to our Application Engineers for details of the following additional gearbox features

- Prime paint only
- Wash down
- BISSC compatible
- Special oil (food compatible, biodegradable, different viscosities etc)

IEC B5 frame sizes 100 - 200 and NEMA frame sizes 182TC -326TC

0.25 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
201	8.59	65	10.42	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ . 2 5 B _ _	46.7	56C
149	11.61	87	8.46	625	1 1 .		
131	13.20	99	7.72	625	1 2 .		
115	14.95	112	7.09	625	1 4 .		
105	16.36	109	6.72	625	1 6 .		
90	19.13	142	5.92	625	1 8 .		
84	20.61	153	5.60	625	2 0 .		
78	22.11	145	5.50	625	2 2 .		
69	25.14	164	5.03	625	2 5 .		
61	28.48	185	4.63	625	2 8 .		
51	33.71	245	3.93	625	3 2 .		
47	36.43	233	3.91	625	3 6 .		
44	39.26	250	3.72	625	4 0 .		
38	45.50	327	3.16	625	4 5 .		
32	53.31	380	2.81	625	5 0 .		
31	56.19	350	2.90	625	5 6 .		
27	64.21	397	2.65	625	6 3 .		
23	74.55	526	2.32	625	7 1 .		
21	82.83	582	2.14	625	8 0 .		
20	86.67	525	2.24	625	9 0 .		
17	101.54	611	2.00	625	1 0 0		
15	114.33	793	1.72	625	1 1 2		
13	129.94	895	1.43	625	1 2 5		
12	142.00	834	1.57	625	1 4 0		
11	157.78	919	1.45	625	1 6 0		
7.9	217.78	1245	1.09	625	2 1 2		
7.0	247.50	1408	0.97	600	2 5 0		
16	105.36	718	1.83	625	C 0 3 3 1 1 0 0 _ _ _ _ _ _ . 2 5 B _ _	55.5	56C
14	120.39	820	1.66	625	1 1 8		
13	130.10	745	1.65	625	1 3 2		
12	140.21	805	1.57	625	1 5 0		
11	162.50	1096	1.24	625	1 6 0		
9.1	190.38	1276	1.07	625	1 8 0		
8.6	200.68	1130	1.21	625	2 0 0		
7.5	229.32	1282	1.06	625	2 2 5		
23	74.55	532	3.46	1180	C 0 4 2 1 7 1 . _ _ _ _ _ _ . 2 5 B _ _	53.3	56C
21	82.83	587	2.91	1180	8 0 .		
20	86.67	537	3.59	1180	9 0 .		
17	101.54	622	3.20	1180	1 0 0		
15	114.33	799	1.87	1180	1 1 2		
13	129.94	901	1.43	1180	1 2 5		
12	142.00	849	2.52	1180	1 4 0		
11	157.78	935	2.34	1180	1 6 0		
7.9	217.78	1269	1.86	1180	2 1 2		
7.0	247.50	1426	1.43	1180	2 5 0		
16	105.36	730	2.49	1180	C 0 4 3 1 1 0 0 _ _ _ _ _ _ . 2 5 B _ _	62.1	56C
14	120.39	830	2.17	1180	1 1 8		
13	130.10	765	2.59	1180	1 3 2		
12	140.21	822	2.47	1180	1 5 0		
11	162.50	1108	1.61	1180	1 6 0		
9.1	190.38	1294	1.37	1180	1 8 0		
8.6	200.68	1156	1.98	1180	2 0 0		
7.5	229.32	1314	1.82	1180	2 2 5		
6.5	266.25	1781	0.99	1180	2 6 5		
5.8	295.83	1972	0.89	1180	2 8 0		
5.6	309.52	1743	1.52	1180	3 1 5		
4.8	362.64	2028	1.37	1180	3 6 0		
3.4	507.14	2774	0.99	1180	5 0 0		
3.1	563.49	3068	0.89	1050	5 6 0		
16	109.07	785	3.89	1650	C 0 5 2 1 1 1 2 _ _ _ _ _ _ . 2 5 B _ _	57.7	56C
14	124.00	886	2.97	1650	1 2 5		
8.2	211.11	1277	3.78	1650	2 1 2		
7.2	240.00	1438	2.97	1650	2 5 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

0.25 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
11	160.26	1127	3.12	1650	C 0 5 3 1 1 6 0 _ _ _ _ _ _ . 2 5 B _ _	64.3	56C
9.2	187.76	1312	2.67	1650	1 8 0		
8.6	201.10	1207	3.89	1650	2 0 0		
7.5	229.81	1369	3.57	1650	2 2 5		
6.6	262.58	1808	1.91	1650	2 6 5		
5.9	291.75	2002	1.72	1650	2 8 0		
5.6	310.18	1817	2.84	1650	3 1 5		
4.7	363.40	2110	2.50	1650	3 6 0		
4.3	402.70	2744	1.25	1650	4 0 0		
3.8	457.66	3098	1.10	1650	4 5 0		
3.4	508.21	2895	1.82	1650	5 0 0		
3.1	564.68	3202	1.64	1650	5 6 0		
2.2	779.42	4349	1.21	1650	8 0 0		
1.9	885.79	4906	1.07	1650	9 0 0		
6.5	265.95	1944	3.92	2580	C 0 6 3 1 2 6 5 _ _ _ _ _ _ . 2 5 B _ _	99.6	56C
5.8	299.67	2181	3.48	2580	2 8 0		
4.8	357.32	2195	3.90	2580	3 6 0		
4.4	395.39	2858	2.64	2580	4 0 0		
3.8	449.50	3229	2.33	2580	4 5 0		
3.4	514.75	3086	2.78	2580	5 0 0		
3.0	580.00	3454	2.48	2580	5 6 0		
2.3	765.28	4488	1.91	2580	8 0 0		
2.0	870.00	5063	1.69	2580	9 0 0		
1.71	1022	9202	1.0	2580	C 0 6 4 1 1 0 C _ _ _ _ _ _ . 2 5 B _ _	123.8	56C
1.58	1111	10003	0.9	2580	1 1 C		
4.1	419.25	3150	3.85	6050	C 0 7 3 1 4 5 0 _ _ _ _ _ _ . 2 5 B _ _	207.6	56C
3.5	499.88	3502	3.21	6050	5 0 0		
3.2	547.35	3823	2.94	6050	5 6 0		
2.3	747.66	5131	2.17	6050	8 0 0		
2.1	838.50	5731	1.95	6050	9 0 0		
1.73	1009	9086	1.6	6050	C 0 7 4 1 1 0 C _ _ _ _ _ _ . 2 5 B _ _	218.6	56C
1.59	1097	9879	1.5	6050	1 1 C		
1.44	1213	10924	1.4	6050	1 2 C		
1.25	1396	12565	1.2	6050	1 4 C		
1.15	1517	13661	1.1	6050	1 6 C		
1.05	1662	14960	1.0	6050	1 8 C		
0.88	1995	17962	0.8	6050	2 0 C		
1.95	899	8094	3.5	9380	C 0 8 4 1 9 0 0 _ _ _ _ _ _ . 2 5 B _ _	346.5	56C
1.82	960	8643	3.3	9380	1 0 C		
1.61	1084	9760	2.9	9380	1 1 C		
1.47	1191	10723	2.6	9380	1 2 C		
1.25	1405	12650	2.2	9380	1 4 C		
1.14	1532	13793	2.1	9380	1 6 C		
0.92	1901	17116	1.7	9380	1 8 C		
0.84	2088	18799	1.5	9380	2 0 C		
0.78	2242	20186	1.4	9380	2 2 C		
0.71	2463	22176	1.3	9380	2 5 C		
0.65	2697	24283	1.2	9380	2 8 C		
0.53	3305	29757	1.0	9380	3 2 C		
0.47	3761	33862	0.8	9380	3 6 C		
1.22	1434	12911	4.0	11900	C 0 9 4 1 1 4 C _ _ _ _ _ _ . 2 5 B _ _	507.4	56C
1.14	1538	13847	3.8	11900	1 6 C		
0.92	1908	17179	3.0	11900	1 8 C		
0.83	2107	18971	2.8	11900	2 0 C		
0.78	2250	20258	2.6	11900	2 2 C		
0.70	2484	22365	2.3	11900	2 5 C		
0.64	2720	24490	2.1	11900	2 8 C		
0.52	3334	30018	1.8	11900	3 2 C		
0.46	3775	33988	1.5	11900	3 6 C		
0.42	4167	37518	1.4	11900	4 0 C		
0.38	4586	41290	1.3	11900	4 5 C		
0.34	5112	46026	1.2	11900	5 0 C		
0.31	5733	51617	1.0	11900	5 6 C		
0.27	6447	58046	0.9	11900	6 3 C		
0.25	7041	63394	0.9	11900	7 1 C		
0.22	7897	71101	0.8	11900	8 0 C		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

0.33 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
201	8.59	86	7.89	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ . 3 3 B _ _	48.7	56C
149	11.61	116	6.41	625	1 1 .		
131	13.20	131	5.85	625	1 2 .		
115	14.95	147	5.37	625	1 4 .		
105	16.36	144	5.09	625	1 6 .		
90	19.13	188	4.49	625	1 8 .		
84	20.61	202	4.25	625	2 0 .		
78	22.11	192	4.17	625	2 2 .		
69	25.14	217	3.81	625	2 5 .		
61	28.48	244	3.50	625	2 8 .		
51	33.71	324	2.98	625	3 2 .		
47	36.43	307	2.96	625	3 6 .		
44	39.26	330	2.82	625	4 0 .		
38	45.50	432	2.40	625	4 5 .		
32	53.31	502	2.13	625	5 0 .		
31	56.19	462	2.20	625	5 6 .		
27	64.21	524	2.01	625	6 3 .		
23	74.55	694	1.76	625	7 1 .		
21	82.83	769	1.62	625	8 0 .		
20	86.67	693	1.70	625	9 0 .		
17	101.54	806	1.51	625	1 0 0		
15	114.33	1046	1.30	625	1 1 2		
13	129.94	1182	1.09	625	1 2 5		
12	142.00	1101	1.19	625	1 4 0		
11	157.78	1213	1.10	625	1 6 0		
7.9	217.78	1643	0.83	520	2 1 2		
16	105.36	948	1.39	625	C 0 3 3 1 1 0 0 _ _ _ _ _ _ . 3 3 B _ _	57.5	56C
14	120.39	1083	1.26	625	1 1 8		
13	130.10	984	1.25	625	1 3 2		
12	140.21	1063	1.19	625	1 5 0		
11	162.50	1447	0.94	590	1 6 0		
9.1	190.38	1684	0.81	520	1 8 0		
8.6	200.68	1492	0.91	560	2 0 0		
7.5	229.32	1692	0.81	510	2 2 5		
32	53.31	509	3.56	1180	C 0 4 2 1 5 0 . _ _ _ _ _ _ . 3 3 B _ _	55.3	56C
31	56.19	473	3.51	1180	5 6 .		
27	64.21	535	3.21	1180	6 3 .		
23	74.55	702	2.62	1180	7 1 .		
21	82.83	775	2.20	1180	8 0 .		
20	86.67	709	2.72	1180	9 0 .		
17	101.54	821	2.42	1180	1 0 0		
15	114.33	1054	1.42	1180	1 1 2		
13	129.94	1190	1.09	1180	1 2 5		
12	142.00	1120	1.91	1180	1 4 0		
11	157.78	1234	1.77	1180	1 6 0		
7.9	217.78	1676	1.41	1180	2 1 2		
7.0	247.50	1883	1.09	1180	2 5 0		
16	105.36	963	1.88	1180	C 0 4 3 1 1 0 0 _ _ _ _ _ _ . 3 3 B _ _	64.1	56C
14	120.39	1096	1.65	1180	1 1 8		
13	130.10	1010	1.96	1180	1 3 2		
12	140.21	1085	1.87	1180	1 5 0		
11	162.50	1463	1.22	1180	1 6 0		
9.1	190.38	1708	1.04	1180	1 8 0		
8.6	200.68	1526	1.50	1180	2 0 0		
7.5	229.32	1735	1.38	1180	2 2 5		
5.6	309.52	2301	1.15	1180	3 1 5		
4.8	362.64	2676	1.04	1180	3 6 0		
16	109.07	1037	2.94	1650	C 0 5 2 1 1 1 2 _ _ _ _ _ _ . 3 3 B _ _	59.7	56C
14	124.00	1169	2.25	1650	1 2 5		
12	142.00	1162	3.85	1650	1 4 0		
11	160.00	1299	3.52	1650	1 6 0		
8.2	211.11	1686	2.86	1650	2 1 2		
7.2	240.00	1898	2.25	1650	2 5 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

0.33 HP

4 POLE
1750 rpm
nominal
input speed

C

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
17	103.90	980	3.65	1650	C 0 5 3 1 1 0 0 _ _ _ _ _ _ . 3 3 B _ _	66.3	56C
15	118.73	1115	3.19	1650	1 1 8		
13	130.38	1061	3.89	1650	1 3 2		
12	140.51	1138	3.71	1650	1 5 0		
11	160.26	1487	2.37	1650	1 6 0		
9.2	187.76	1732	2.02	1650	1 8 0		
8.6	201.10	1594	2.95	1650	2 0 0		
7.5	229.81	1807	2.71	1650	2 2 5		
6.6	262.58	2386	1.45	1650	2 6 5		
5.9	291.75	2643	1.31	1650	2 8 0		
5.6	310.18	2398	2.16	1650	3 1 5		
4.7	363.40	2785	1.89	1650	3 6 0		
4.3	402.70	3623	0.95	1650	4 0 0		
3.8	457.66	4089	0.83	1650	4 5 0		
3.4	508.21	3821	1.38	1650	5 0 0		
3.1	564.68	4227	1.25	1650	5 6 0		
14	124.00	1235	3.82	2580	C 0 6 2 1 1 2 5 _ _ _ _ _ _ . 3 3 B _ _	90.5	56C
7.2	240.00	2010	3.74	2580	2 5 0		
6.5	265.95	2566	2.97	2580	C 0 6 3 1 2 6 5 _ _ _ _ _ _ . 3 3 B _ _	101.6	56C
5.8	299.67	2880	2.64	2580	2 8 0		
5.2	328.67	2680	3.20	2580	3 1 5		
4.8	357.32	2898	2.96	2580	3 6 0		
4.4	395.39	3772	2.00	2580	4 0 0		
3.8	449.50	4263	1.76	2580	4 5 0		
3.4	514.75	4074	2.10	2580	5 0 0		
3.0	580.00	4560	1.88	2580	5 6 0		
2.3	765.28	5924	1.45	2580	8 0 0		
2.0	870.00	6683	1.28	2580	9 0 0		
5.4	319.95	3018	3.67	6050	C 0 7 3 1 3 1 5 _ _ _ _ _ _ . 3 3 B _ _	209.6	56C
5.0	341.61	3211	3.47	6050	3 6 0		
4.6	373.83	3723	3.26	6050	4 0 0		
4.1	419.25	4158	2.92	6050	4 5 0		
3.5	499.88	4622	2.43	6050	5 0 0		
3.2	547.35	5047	2.23	6050	5 6 0		
2.3	747.66	6773	1.65	6050	8 0 0		
2.1	838.50	7565	1.47	6050	9 0 0		
1.73	1009	11994	1.2	6050	C 0 7 4 1 1 0 C _ _ _ _ _ _ . 3 3 B _ _	220.6	56C
1.59	1097	13040	1.1	6050	1 1 C		
1.44	1213	14419	1.0	6050	1 2 C		
1.25	1396	16586	0.9	6050	1 4 C		
1.15	1517	18032	0.8	6050	1 6 C		
1.05	1662	19747	0.8	6050	1 8 C		
2.75	636	7559	3.8	9380	C 0 8 4 1 6 3 0 _ _ _ _ _ _ . 3 3 B _ _	348.5	56C
2.46	712	8462	3.4	9380	7 1 0		
2.31	759	9020	3.1	9380	8 0 0		
1.95	899	10684	2.7	9380	9 0 0		
1.82	960	11409	2.5	9380	1 0 C		
1.61	1084	12883	2.2	9380	1 1 C		
1.47	1191	14155	2.0	9380	1 2 C		
1.25	1405	16698	1.7	9380	1 4 C		
1.14	1532	18207	1.6	9380	1 6 C		
0.92	1901	22593	1.3	9380	1 8 C		
0.84	2088	24815	1.2	9380	2 0 C		
0.78	2242	26646	1.1	9380	2 2 C		
0.71	2463	29272	1.0	9380	2 5 C		
0.65	2697	32053	0.9	9380	2 8 C		
1.44	1216	14452	3.6	11900	C 0 9 4 1 1 2 C _ _ _ _ _ _ . 3 3 B _ _	509.4	56C
1.22	1434	17043	3.0	11900	1 4 C		
1.14	1538	18279	2.9	11900	1 6 C		
0.92	1908	22676	2.3	11900	1 8 C		
0.83	2107	25041	2.1	11900	2 0 C		
0.78	2250	26741	2.0	11900	2 2 C		
0.70	2484	29522	1.8	11900	2 5 C		
0.64	2720	32326	1.6	11900	2 8 C		
0.52	3334	39624	1.3	11900	3 2 C		
0.46	3775	44865	1.2	11900	3 6 C		
0.42	4167	49524	1.1	11900	4 0 C		
0.38	4586	54503	1.0	11900	4 5 C		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

0.33 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN Output Speed	i Ratio	lb.in Output Torque	Fm Service Factor	lb Overhung Load	Unit Designation Column Entry 1 Through 20 Spaces to be filled when entering order	lb Weight	Motor Size
0.34	5112	60755	0.9	11900	C 0 9 4 1 5 0 C _ _ _ _ _ _ . 3 3 B _ _	509.4	56C
0.31	5733	68135	0.8	11900	5 6 C		
0.82	2146	25505	3.6	19600	C 1 0 4 1 2 0 C _ _ _ _ _ _ . 3 3 B _ _	793.6	56C
0.79	2222	26408	3.4	19600	2 2 C		
0.68	2560	30425	3.0	19600	2 5 C		
0.62	2804	33325	2.7	19600	2 8 C		
0.52	3364	39980	2.3	19600	3 2 C		
0.47	3733	44366	2.1	19600	3 6 C		
0.41	4301	51116	1.8	19600	4 0 C		
0.38	4550	54075	1.7	19600	4 5 C		
0.33	5235	62216	1.5	19600	5 0 C		
0.30	5817	69133	1.4	19600	5 6 C		
0.28	6249	74268	1.2	19600	6 3 C		
0.25	7027	83514	1.2	19600	7 1 C		
0.22	7808	92796	1.1	19600	8 0 C		
0.19	8996	106915	0.9	19600	9 0 C		
0.18	9518	113119	0.9	19600	1 0 K		
0.16	10951	130150	0.8	19600	1 1 K		

0.50 HP

4 POLE
1750 rpm
nominal
input speed

201	8.59	131	5.21	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ . 5 0 B _ _	50.7	56C
149	11.61	175	4.23	625	1 1 .		
131	13.20	198	3.86	625	1 2 .		
115	14.95	224	3.54	625	1 4 .		
105	16.36	219	3.36	625	1 6 .		
90	19.13	285	2.96	625	1 8 .		
84	20.61	307	2.80	625	2 0 .		
78	22.11	291	2.75	625	2 2 .		
69	25.14	329	2.51	625	2 5 .		
61	28.48	370	2.31	625	2 8 .		
51	33.71	491	1.96	625	3 2 .		
47	36.43	466	1.95	625	3 6 .		
44	39.26	500	1.86	625	4 0 .		
38	45.50	655	1.58	625	4 5 .		
32	53.31	761	1.41	625	5 0 .		
31	56.19	701	1.45	625	5 6 .		
27	64.21	795	1.32	625	6 3 .		
23	74.55	1052	1.16	625	7 1 .		
21	82.83	1165	1.07	625	8 0 .		
20	86.67	1050	1.12	625	9 0 .		
17	101.54	1222	1.00	625	1 0 0		
15	114.33	1586	0.86	540	1 1 2		
16	105.36	1437	0.92	575	C 0 3 3 1 1 0 0 _ _ _ _ _ _ . 5 0 B _ _	59.5	56C
14	120.39	1641	0.83	540	1 1 8		
13	130.10	1491	0.82	520	1 3 2		
61	28.48	382	3.70	1180	C 0 4 2 1 2 8 . _ _ _ _ _ _ . 5 0 B _ _	57.3	56C
51	33.71	499	3.28	1180	3 2 .		
47	36.43	478	3.15	1180	3 6 .		
44	39.26	517	2.96	1180	4 0 .		
38	45.50	663	2.64	1180	4 5 .		
32	53.31	771	2.35	1180	5 0 .		
31	56.19	717	2.32	1180	5 6 .		
27	64.21	810	2.12	1180	6 3 .		
23	74.55	1064	1.73	1180	7 1 .		
21	82.83	1174	1.45	1180	8 0 .		
20	86.67	1074	1.80	1180	9 0 .		
17	101.54	1245	1.60	1180	1 0 0		
15	114.33	1598	0.94	1180	1 1 2		
12	142.00	1698	1.26	1180	1 4 0		
11	157.78	1870	1.17	1180	1 6 0		
7.9	217.78	2539	0.93	1120	2 1 2		
16	105.36	1460	1.24	1180	C 0 4 3 1 1 0 0 _ _ _ _ _ _ . 5 0 B _ _	66.1	56C
14	120.39	1661	1.09	1180	1 1 8		
13	130.10	1530	1.30	1180	1 3 2		
12	140.21	1645	1.24	1180	1 5 0		
11	162.50	2217	0.81	1180	1 6 0		
8.6	200.68	2312	0.99	1180	2 0 0		
7.5	229.32	2629	0.91	1180	2 2 5		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

0.50 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
24	73.37	1076	2.96	1650	C 0 5 2 1 7 1 . _ _ _ _ _ _ . 5 0 B _ _	61.7	56C
21	82.67	1206	2.67	1650	8 0 .		
19	90.67	1161	3.54	1650	9 0 .		
18	98.57	1254	3.33	1650	1 0 0		
16	109.07	1571	1.94	1650	1 1 2		
14	124.00	1772	1.48	1650	1 2 5		
12	142.00	1761	2.54	1650	1 4 0		
11	160.00	1969	2.32	1650	1 6 0		
8.2	211.11	2555	1.89	1650	2 1 2		
7.2	240.00	2876	1.48	1650	2 5 0		
17	103.90	1486	2.41	1650	C 0 5 3 1 1 0 0 _ _ _ _ _ _ . 5 0 B _ _	68.3	56C
15	118.73	1690	2.10	1650	1 1 8		
13	130.38	1608	2.57	1650	1 3 2		
12	140.51	1724	2.45	1650	1 5 0		
11	160.26	2254	1.56	1650	1 6 0		
9.2	187.76	2625	1.34	1650	1 8 0		
8.6	201.10	2415	1.95	1650	2 0 0		
7.5	229.81	2738	1.79	1650	2 2 5		
6.6	262.58	3616	0.96	1650	2 6 5		
5.9	291.75	4005	0.86	1650	2 8 0		
5.6	310.18	3634	1.42	1650	3 1 5		
4.7	363.40	4220	1.25	1650	3 6 0		
16	110.57	1680	3.97	2580	C 0 6 2 1 1 1 2 _ _ _ _ _ _ . 5 0 B _ _	92.5	56C
14	124.00	1872	2.52	2580	1 2 5		
12	143.08	1888	3.97	2580	1 4 0		
11	156.67	2062	3.65	2580	1 6 0		
8.1	214.00	2736	2.75	2580	2 1 2		
7.2	240.00	3046	2.47	2580	2 5 0		
13	130.00	1702	3.99	2580	C 0 6 3 1 1 3 2 _ _ _ _ _ _ . 5 0 B _ _	103.6	56C
12	147.69	1921	3.67	2580	1 5 0		
10	169.81	2522	3.07	2580	1 6 0		
9.3	184.62	2725	2.83	2580	1 8 0		
8.6	201.02	2569	3.01	2580	2 0 0		
7.6	228.38	2898	2.78	2580	2 2 5		
6.5	265.95	3889	1.96	2580	2 6 5		
5.8	299.67	4363	1.74	2580	2 8 0		
5.2	328.67	4061	2.11	2580	3 1 5		
4.8	357.32	4391	1.95	2580	3 6 0		
4.4	395.39	5716	1.32	2580	4 0 0		
3.8	449.50	6459	1.16	2580	4 5 0		
3.4	514.75	6172	1.39	2580	5 0 0		
3.0	580.00	6909	1.24	2580	5 6 0		
2.3	765.28	8977	0.95	2580	8 0 0		
2.0	870.00	10127	0.85	2200	9 0 0		
8.3	208.65	3033	3.38	6050	C 0 7 2 1 2 1 2 _ _ _ _ _ _ . 5 0 B _ _	189.5	56C
7.4	231.83	3376	3.09	6050	2 5 0		
8.9	194.65	2830	3.60	6050	C 0 7 3 1 2 0 0 _ _ _ _ _ _ . 5 0 B _ _	211.6	56C
7.6	226.39	3264	3.20	6050	2 2 5		
6.9	249.94	3822	3.17	6050	2 6 5		
6.3	273.68	4169	2.91	6050	2 8 0		
5.4	319.95	4573	2.42	6050	3 1 5		
5.0	341.61	4865	2.29	6050	3 6 0		
4.6	373.83	5641	2.15	6050	4 0 0		
4.1	419.25	6300	1.92	6050	4 5 0		
3.5	499.88	7004	1.60	6050	5 0 0		
3.2	547.35	7647	1.47	6050	5 6 0		
2.3	747.66	10263	1.09	6050	8 0 0		
2.1	838.50	11462	0.97	6050	9 0 0		
1.73	1009	18173	0.8	6050	C 0 7 4 1 1 0 C _ _ _ _ _ _ . 5 0 B _ _	222.6	56C

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

0.50 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
3.20	547	9850	2.9	9380	C 0 8 4 1 5 6 0 _ _ _ _ _ _ . 5 0 B _ _	350.5	56C
2.75	636	11453	2.5	9380	6 3 0		
2.46	712	12821	2.2	9380	7 1 0		
2.31	759	13667	2.1	9380	8 0 0		
1.95	899	16188	1.8	9380	9 0 0		
1.82	960	17287	1.6	9380	1 0 C		
1.61	1084	19520	1.5	9380	1 1 C		
1.47	1191	21447	1.3	9380	1 2 C		
1.25	1405	25300	1.1	9380	1 4 C		
1.14	1532	27587	1.0	9380	1 6 C		
0.92	1901	34232	0.8	9380	1 8 C		
0.84	2088	37599	0.8	9380	2 0 C		
2.26	774	13938	3.7	11900	C 0 9 4 1 8 0 0 _ _ _ _ _ _ . 5 0 B _ _	511.4	56C
1.91	918	16531	3.1	11900	9 0 0		
1.79	980	17647	2.9	11900	1 0 C		
1.61	1089	19610	2.7	11900	1 1 C		
1.44	1216	21897	2.4	11900	1 2 C		
1.22	1434	25822	2.0	11900	1 4 C		
1.14	1538	27695	1.9	11900	1 6 C		
0.92	1908	34358	1.5	11900	1 8 C		
0.83	2107	37941	1.4	11900	2 0 C		
0.78	2250	40516	1.3	11900	2 2 C		
0.70	2484	44730	1.2	11900	2 5 C		
0.64	2720	48979	1.1	11900	2 8 C		
0.52	3334	60036	0.9	11900	3 2 C		
0.46	3775	67977	0.8	11900	3 6 C		
1.25	1402	25246	3.5	19600	C 1 0 4 1 1 4 C _ _ _ _ _ _ . 5 0 B _ _	793.6	56C
1.09	1607	28937	3.1	19600	1 6 C		
0.94	1863	33547	2.7	19600	1 8 C		
0.82	2146	38643	2.4	19600	2 0 C		
0.79	2222	40012	2.3	19600	2 2 C		
0.68	2560	46098	2.0	19600	2 5 C		
0.62	2804	50492	1.8	19600	2 8 C		
0.52	3364	60576	1.5	19600	3 2 C		
0.47	3733	67221	1.4	19600	3 6 C		
0.41	4301	77449	1.2	19600	4 0 C		
0.38	4550	81933	1.2	19600	4 5 C		
0.33	5235	94267	1.0	19600	5 0 C		
0.30	5817	104748	0.9	19600	5 6 C		
0.28	6249	112527	0.8	19600	6 3 C		
0.25	7027	126536	0.8	19600	7 1 C		

0.75 HP

4 POLE
1750 rpm
nominal
input speed

201	8.59	197	3.47	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ . 7 5 B _ _	53.7	56C
149	11.61	263	2.82	625	1 1 .		
131	13.20	297	2.57	625	1 2 .		
115	14.95	336	2.36	625	1 4 .		
105	16.36	328	2.24	625	1 6 .		
90	19.13	427	1.97	625	1 8 .		
84	20.61	460	1.87	625	2 0 .		
78	22.11	436	1.83	625	2 2 .		
69	25.14	493	1.68	625	2 5 .		
61	28.48	556	1.54	625	2 8 .		
51	33.71	736	1.31	625	3 2 .		
47	36.43	699	1.30	625	3 6 .		
44	39.26	750	1.24	625	4 0 .		
38	45.50	982	1.05	625	4 5 .		
32	53.31	1142	0.94	625	5 0 .		
31	56.19	1051	0.97	625	5 6 .		
27	64.21	1192	0.88	550	6 3 .		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

0.75 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
115	14.95	344	3.93	1180	C 0 4 2 1 1 4 . _ _ _ _ _ _ . 7 5 B _ _	60.3	56C
105	16.36	338	3.58	1180	1 6 .		
90	19.13	437	3.28	1180	1 8 .		
84	20.61	468	3.12	1180	2 0 .		
78	22.11	450	2.93	1180	2 2 .		
69	25.14	508	2.68	1180	2 5 .		
61	28.48	573	2.47	1180	2 8 .		
51	33.71	749	2.19	1180	3 2 .		
47	36.43	717	2.10	1180	3 6 .		
44	39.26	775	1.97	1180	4 0 .		
38	45.50	995	1.76	1180	4 5 .		
32	53.31	1157	1.57	1180	5 0 .		
31	56.19	1076	1.55	1180	5 6 .		
27	64.21	1216	1.41	1180	6 3 .		
23	74.55	1597	1.15	1180	7 1 .		
21	82.83	1762	0.97	1180	8 0 .		
20	86.67	1612	1.20	1180	9 0 .		
17	101.54	1867	1.07	1180	1 0 0		
12	142.00	2547	0.84	990	1 4 0		
16	105.36	2190	0.83	990	C 0 4 3 1 1 0 0 _ _ _ _ _ _ . 7 5 B _ _	69.1	56C
13	130.10	2295	0.86	990	1 3 2		
12	140.21	2467	0.82	990	1 5 0		
53	32.55	740	3.79	1650	C 0 5 2 1 3 2 . _ _ _ _ _ _ . 7 5 B _ _	64.7	56C
37	46.84	1050	2.91	1650	4 5 .		
34	50.93	1137	2.73	1650	5 0 .		
31	55.45	1102	3.24	1650	5 6 .		
27	63.00	1240	2.93	1650	6 3 .		
24	73.37	1614	1.97	1650	7 1 .		
21	82.67	1809	1.78	1650	8 0 .		
19	90.67	1742	2.36	1650	9 0 .		
18	98.57	1881	2.22	1650	1 0 0		
16	109.07	2357	1.30	1650	1 1 2		
14	124.00	2658	0.99	1650	1 2 5		
12	142.00	2641	1.69	1650	1 4 0		
11	160.00	2953	1.55	1650	1 6 0		
8.2	211.11	3833	1.26	1650	2 1 2		
7.2	240.00	4314	0.99	1650	2 5 0		
17	103.90	2229	1.60	1650	C 0 5 3 1 1 0 0 _ _ _ _ _ _ . 7 5 B _ _	71.3	56C
15	118.73	2536	1.40	1650	1 1 8		
13	130.38	2412	1.71	1650	1 3 2		
12	140.51	2586	1.63	1650	1 5 0		
11	160.26	3381	1.04	1650	1 6 0		
9.2	187.76	3937	0.89	1650	1 8 0		
8.6	201.10	3623	1.30	1650	2 0 0		
7.5	229.81	4108	1.19	1650	2 2 5		
5.6	310.18	5451	0.95	1600	3 1 5		
23	73.92	1713	3.72	2580	C 0 6 2 1 7 1 . _ _ _ _ _ _ . 7 5 B _ _	94.5	56C
21	80.94	1869	3.44	2580	8 0 .		
19	91.58	1875	3.67	2580	9 0 .		
18	97.78	1985	3.51	2580	1 0 0		
16	110.57	2520	2.64	2580	1 1 2		
14	124.00	2808	1.68	2580	1 2 5		
12	143.08	2832	2.64	2580	1 4 0		
11	156.67	3093	2.43	2580	1 6 0		
8.1	214.00	4104	1.83	2580	2 1 2		
7.2	240.00	4570	1.65	2580	2 5 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

0.75 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
17	103.86	2355	3.08	2580	C 0 6 3 1 1 0 0 _ _ _ _ _ _ . 7 5 B _ _	106.6	56C
15	117.99	2675	2.80	2580	1 1 8		
13	130.00	2554	2.66	2580	1 3 2		
12	147.69	2882	2.45	2580	1 5 0		
10	169.81	3783	2.04	2580	1 6 0		
9.3	184.62	4087	1.89	2580	1 8 0		
8.6	201.02	3854	2.01	2580	2 0 0		
7.6	228.38	4347	1.85	2580	2 2 5		
5.8	299.67	6545	1.16	2580	2 8 0		
5.2	328.67	6091	1.41	2580	3 1 5		
4.8	357.32	6586	1.30	2580	3 6 0		
4.4	395.39	8574	0.88	2270	4 0 0		
3.4	514.75	9259	0.93	2400	5 0 0		
3.0	580.00	10364	0.83	2100	5 6 0		
17	99.79	2276	3.97	6050	C 0 7 2 1 1 0 0 _ _ _ _ _ _ . 7 5 B _ _	192.5	56C
17	104.32	2459	3.30	6050	1 1 2		
15	115.92	2726	2.96	6050	1 2 5		
13	138.00	3099	3.08	6050	1 4 0		
11	151.13	3368	2.89	6050	1 6 0		
8.3	208.65	4550	2.26	6050	2 1 2		
7.4	231.83	5064	2.06	6050	2 5 0		
11	159.98	3718	3.26	6050	C 0 7 3 1 1 6 0 _ _ _ _ _ _ . 7 5 B _ _	214.6	56C
10	170.81	3976	3.05	6050	1 8 0		
8.9	194.65	4246	2.40	6050	2 0 0		
7.6	226.39	4897	2.13	6050	2 2 5		
6.9	249.94	5733	2.11	6050	2 6 5		
6.3	273.68	6254	1.94	6050	2 8 0		
5.4	319.95	6860	1.61	6050	3 1 5		
5.0	341.61	7298	1.53	6050	3 6 0		
4.6	373.83	8462	1.43	6050	4 0 0		
4.1	419.25	9450	1.28	6050	4 5 0		
3.5	499.88	10506	1.07	6050	5 0 0		
3.2	547.35	11470	0.98	6050	5 6 0		
3.20	547	14775	1.9	9380	C 0 8 4 1 5 6 0 _ _ _ _ _ _ . 7 5 B _ _	353.5	56C
2.75	636	17179	1.7	9380	6 3 0		
2.46	712	19232	1.5	9380	7 1 0		
2.31	759	20501	1.4	9380	8 0 0		
1.95	899	24283	1.2	9380	9 0 0		
1.82	960	25930	1.1	9380	1 0 C		
1.61	1084	29280	1.0	9380	1 1 C		
1.47	1191	32170	0.9	9380	1 2 C		
3.14	558	15072	3.4	11900	C 0 9 4 1 5 6 0 _ _ _ _ _ _ . 7 5 B _ _	514.4	56C
2.70	649	17530	2.9	11900	6 3 0		
2.41	727	19637	2.6	11900	7 1 0		
2.26	774	20906	2.5	11900	8 0 0		
1.91	918	24796	2.1	11900	9 0 0		
1.79	980	26471	1.9	11900	1 0 C		
1.61	1089	29415	1.8	11900	1 1 C		
1.44	1216	32845	1.6	11900	1 2 C		
1.22	1434	38733	1.3	11900	1 4 C		
1.14	1538	41542	1.3	11900	1 6 C		
0.92	1908	51536	1.0	11900	1 8 C		
0.83	2107	56912	0.9	11900	2 0 C		
0.78	2250	60774	0.9	11900	2 2 C		
0.70	2484	67095	0.8	11900	2 5 C		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

0.75 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
1.95	897	24229	3.7	19600	C 1 0 4 1 9 0 0 _ _ _ _ _ _ . 7 5 B _ _	796.6	56C
1.73	1014	27389	3.2	19600	1 0 C		
1.55	1127	30441	2.9	19600	1 1 C		
1.49	1176	31765	2.8	19600	1 2 C		
1.25	1402	37869	2.3	19600	1 4 C		
1.09	1607	43406	2.1	19600	1 6 C		
0.94	1863	50321	1.8	19600	1 8 C		
0.82	2146	57965	1.6	19600	2 0 C		
0.79	2222	60018	1.5	19600	2 2 C		
0.68	2560	69147	1.3	19600	2 5 C		
0.62	2804	75738	1.2	19600	2 8 C		
0.52	3364	90864	1.0	19600	3 2 C		
0.47	3733	100831	0.9	19600	3 6 C		
0.41	4301	116173	0.8	19600	4 0 C		
0.38	4550	122899	0.8	19600	4 5 C		

1 HP

4 POLE
1750 rpm
nominal
input speed

201	8.59	263	2.60	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 1 . 0 B _ _	58.7	143TC
149	11.61	351	2.11	625	1 1 .		
131	13.20	397	1.93	625	1 2 .		
115	14.95	448	1.77	625	1 4 .		
105	16.36	438	1.68	625	1 6 .		
90	19.13	570	1.48	625	1 8 .		
84	20.61	614	1.40	625	2 0 .		
78	22.11	582	1.37	625	2 2 .		
69	25.14	658	1.26	625	2 5 .		
61	28.48	741	1.16	625	2 8 .		
51	33.71	982	0.98	625	3 2 .		
47	36.43	933	0.98	625	3 6 .		
44	39.26	1000	0.93	581	4 0 .		
149	11.61	359	3.52	1180	C 0 4 2 1 1 1 . _ _ _ _ _ _ 1 . 0 B _ _	65.3	143TC
131	13.20	406	3.20	1180	1 2 .		
115	14.95	459	2.95	1180	1 4 .		
105	16.36	451	2.68	1180	1 6 .		
90	19.13	583	2.46	1180	1 8 .		
84	20.61	624	2.34	1180	2 0 .		
78	22.11	600	2.19	1180	2 2 .		
69	25.14	678	2.01	1180	2 5 .		
61	28.48	765	1.85	1180	2 8 .		
51	33.71	998	1.64	1180	3 2 .		
47	36.43	956	1.57	1180	3 6 .		
44	39.26	1034	1.48	1180	4 0 .		
38	45.50	1327	1.32	1180	4 5 .		
32	53.31	1543	1.18	1180	5 0 .		
31	56.19	1435	1.16	1180	5 6 .		
27	64.21	1621	1.06	1180	6 3 .		
23	74.55	2129	0.86	1050	7 1 .		
20	86.67	2149	0.90	1060	9 0 .		
82	21.05	648	3.77	1650	C 0 5 2 1 2 0 . _ _ _ _ _ _ 1 . 0 B _ _	69.7	143TC
61	28.24	785	3.97	1650	2 8 .		
53	32.55	987	2.84	1650	3 2 .		
48	35.86	981	3.34	1650	3 6 .		
42	40.74	1105	3.03	1650	4 0 .		
37	46.84	1400	2.18	1650	4 5 .		
34	50.93	1516	2.05	1650	5 0 .		
31	55.45	1470	2.43	1650	5 6 .		
27	63.00	1653	2.22	1650	6 3 .		
24	73.37	2152	1.48	1650	7 1 .		
21	82.67	2413	1.34	1650	8 0 .		
19	90.67	2323	1.77	1650	9 0 .		
18	98.57	2508	1.67	1650	1 0 0		
16	109.07	3142	0.97	1650	1 1 2		
12	142.00	3522	1.27	1650	1 4 0		
11	160.00	3938	1.16	1650	1 6 0		
8.2	211.11	5110	0.94	1550	2 1 2		
17	103.90	2972	1.20	1650	C 0 5 3 1 1 0 0 _ _ _ _ _ _ 1 . 0 B _ _	76.3	143TC
15	118.73	3381	1.05	1650	1 1 8		
13	130.38	3216	1.28	1650	1 3 2		
12	140.51	3449	1.22	1650	1 5 0		
8.6	201.10	4830	0.97	1650	2 0 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

1 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
36	47.32	1488	3.90	2580	C 0 6 2 1 4 5 . _ _ _ _ _ _ 1 . 0 B _ _	100.5	143TC
34	50.52	1585	3.74	2580	5 0 .		
31	55.71	1570	3.79	2580	5 6 .		
27	64.80	1806	3.41	2580	6 3 .		
23	73.92	2284	2.79	2580	7 1 .		
21	80.94	2492	2.58	2580	8 0 .		
19	91.58	2501	2.75	2580	9 0 .		
18	97.78	2647	2.63	2580	1 0 0		
16	110.57	3361	1.98	2580	1 1 2		
14	124.00	3744	1.26	2580	1 2 5		
12	143.08	3776	1.98	2580	1 4 0		
11	156.67	4124	1.82	2580	1 6 0		
8.1	214.00	5472	1.37	2580	2 1 2		
7.2	240.00	6093	1.23	2580	2 5 0		
17	103.86	3141	2.31	2580	C 0 6 3 1 1 0 0 _ _ _ _ _ _ 1 . 0 B _ _	111.6	143TC
15	117.99	3566	2.10	2580	1 1 8		
13	130.00	3405	2.00	2580	1 3 2		
12	147.69	3843	1.84	2580	1 5 0		
10	169.81	5044	1.53	2580	1 6 0		
9.3	184.62	5450	1.41	2580	1 8 0		
8.6	201.02	5139	1.51	2580	2 0 0		
7.6	228.38	5796	1.39	2580	2 2 5		
6.5	265.95	7778	0.98	2580	2 6 5		
5.8	299.67	8727	0.87	2580	2 8 0		
5.2	328.67	8122	1.05	2580	3 1 5		
4.8	357.32	8782	0.98	2580	3 6 0		
25	69.00	2210	3.50	6050	C 0 7 2 1 7 1 . _ _ _ _ _ _ 1 . 0 B _ _	197.5	143TC
23	75.56	2413	3.24	6050	8 0 .		
20	88.26	2694	3.28	6050	9 0 .		
17	99.79	3035	2.97	6050	1 0 0		
17	104.32	3279	2.47	6050	1 1 2		
15	115.92	3634	2.22	6050	1 2 5		
13	138.00	4132	2.31	6050	1 4 0		
11	151.13	4490	2.17	6050	1 6 0		
8.3	208.65	6067	1.69	6050	2 1 2		
7.4	231.83	6752	1.55	6050	2 5 0		
18	97.33	3067	3.95	6050	C 0 7 3 1 1 0 0 _ _ _ _ _ _ 1 . 0 B _ _	219.6	143TC
15	113.20	3555	3.41	6050	1 1 8		
11	159.98	4958	2.45	6050	1 6 0		
10	170.81	5302	2.29	6050	1 8 0		
8.9	194.65	5661	1.80	6050	2 0 0		
7.6	226.39	6529	1.60	6050	2 2 5		
6.9	249.94	7644	1.59	6050	2 6 5		
6.3	273.68	8339	1.45	6050	2 8 0		
5.4	319.95	9147	1.21	6050	3 1 5		
5.0	341.61	9730	1.15	6050	3 6 0		
4.6	373.83	11282	1.07	6050	4 0 0		
4.1	419.25	12600	0.96	5900	4 5 0		
3.5	499.88	14009	0.80	4840	5 0 0		
8.4	204.75	6084	3.48	9380	C 0 8 2 1 2 1 2 _ _ _ _ _ _ 1 . 0 B _ _	316.6	143TC
7.3	235.77	6951	3.12	9380	2 5 0		
3.20	547	19700	1.4	9380	C 0 8 4 1 5 6 0 _ _ _ _ _ _ 1 . 0 B _ _	358.6	143TC
2.75	636	22905	1.2	9380	6 3 0		
2.46	712	25642	1.1	9380	7 1 0		
2.31	759	27335	1.0	9380	8 0 0		
1.95	899	32377	0.9	8450	9 0 0		
1.82	960	34574	0.8	7504	1 0 C		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

1 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
3.14	558	20096	2.6	11900	C 0 9 4 1 5 6 0 _ _ _ _ _ _ 1 . 0 B _ _	519.4	143TC
2.70	649	23373	2.2	11900	6 3 0		
2.41	727	26182	2.0	11900	7 1 0		
2.26	774	27875	1.9	11900	8 0 0		
1.91	918	33061	1.6	11900	9 0 0		
1.79	980	35294	1.5	11900	1 0 C		
1.61	1089	39220	1.3	11900	1 1 C		
1.44	1216	43793	1.2	11900	1 2 C		
1.22	1434	51644	1.0	11900	1 4 C		
1.14	1538	55390	0.9	11900	1 6 C		
0.92	1908	68715	0.8	11900	1 8 C		
2.80	626	22545	3.9	19600	C 1 0 4 1 6 3 0 _ _ _ _ _ _ 1 . 0 B _ _	801.6	143TC
2.46	710	25570	3.5	19600	7 1 0		
2.23	783	28199	3.2	19600	8 0 0		
1.95	897	32305	2.8	19600	9 0 0		
1.73	1014	36518	2.4	19600	1 0 C		
1.55	1127	40588	2.1	19600	1 1 C		
1.49	1176	42353	2.1	19600	1 2 C		
1.25	1402	50492	1.8	19600	1 4 C		
1.09	1607	57875	1.6	19600	1 6 C		
0.94	1863	67095	1.4	19600	1 8 C		
0.82	2146	77287	1.2	19600	2 0 C		
0.79	2222	80024	1.1	19600	2 2 C		
0.68	2560	92197	1.0	19600	2 5 C		
0.62	2804	100984	0.9	19600	2 8 C		
0.52	3364	121152	0.8	19600	3 2 C		

1.5 HP

4 POLE
1750 rpm
nominal
input speed

201	8.59	394	1.74	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 1 . 5 B _ _	62.7	145TC
149	11.61	527	1.41	625	1 1 .		
131	13.20	595	1.29	625	1 2 .		
115	14.95	672	1.18	625	1 4 .		
105	16.36	657	1.12	625	1 6 .		
90	19.13	855	0.99	625	1 8 .		
84	20.61	921	0.93	575	2 0 .		
78	22.11	873	0.92	575	2 2 .		
69	25.14	987	0.84	525	2 5 .		
201	8.59	402	2.88	1180	C 0 4 2 1 8 . 0 _ _ _ _ _ _ 1 . 5 B _ _	69.3	145TC
149	11.61	539	2.34	1180	1 1 .		
131	13.20	610	2.13	1180	1 2 .		
115	14.95	689	1.97	1180	1 4 .		
105	16.36	677	1.79	1180	1 6 .		
90	19.13	874	1.64	1180	1 8 .		
84	20.61	936	1.56	1180	2 0 .		
78	22.11	901	1.46	1180	2 2 .		
69	25.14	1017	1.34	1180	2 5 .		
61	28.48	1147	1.23	1180	2 8 .		
51	33.71	1498	1.09	1180	3 2 .		
47	36.43	1434	1.05	1180	3 6 .		
44	39.26	1551	0.99	1180	4 0 .		
38	45.50	1990	0.88	1040	4 5 .		
148	11.66	553	3.55	1650	C 0 5 2 1 1 1 . _ _ _ _ _ _ 1 . 5 B _ _	73.7	145TC
134	12.85	604	3.37	1650	1 2 .		
118	14.59	684	3.13	1650	1 4 .		
107	16.09	697	3.90	1650	1 6 .		
93	18.53	860	2.71	1650	1 8 .		
82	21.05	972	2.51	1650	2 0 .		
76	22.56	958	3.09	1650	2 2 .		
69	24.86	1047	2.89	1650	2 5 .		
61	28.24	1178	2.64	1650	2 8 .		
53	32.55	1480	1.89	1650	3 2 .		
48	35.86	1472	2.23	1650	3 6 .		
42	40.74	1657	2.02	1650	4 0 .		
37	46.84	2100	1.45	1650	4 5 .		
34	50.93	2274	1.37	1650	5 0 .		
31	55.45	2205	1.62	1650	5 6 .		
27	63.00	2480	1.48	1650	6 3 .		
24	73.37	3228	0.99	1650	7 1 .		
21	82.67	3619	0.89	1650	8 0 .		
19	90.67	3485	1.18	1650	9 0 .		
18	98.57	3762	1.11	1650	1 0 0		
12	142.00	5283	0.85	1402	1 4 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

1.5 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
17	103.90	4458	0.80	1650	C 0 5 3 1 1 0 0 _ _ _ _ _ _ 1 . 5 B _ _	80.3	145TC
13	130.38	4825	0.86	1650	1 3 2		
12	140.51	5173	0.82	1350	1 5 0		
52	33.48	1600	3.23	2580	C 0 6 2 1 3 2 . _ _ _ _ _ _ 1 . 5 B _ _	104.5	145TC
36	47.32	2233	2.60	2580	4 5 .		
34	50.52	2377	2.49	2580	5 0 .		
31	55.71	2355	2.53	2580	5 6 .		
27	64.80	2709	2.27	2580	6 3 .		
23	73.92	3427	1.86	2580	7 1 .		
21	80.94	3739	1.72	2580	8 0 .		
19	91.58	3751	1.83	2580	9 0 .		
18	97.78	3971	1.75	2580	1 0 0		
16	110.57	5041	1.32	2580	1 1 2		
14	124.00	5617	0.84	2580	1 2 5		
12	143.08	5664	1.32	2580	1 4 0		
11	156.67	6186	1.22	2580	1 6 0		
8.1	214.00	8208	0.92	2370	2 1 2		
7.2	240.00	9140	0.82	2110	2 5 0		
17	103.86	4711	1.54	2580	C 0 6 3 1 1 0 0 _ _ _ _ _ _ 1 . 5 B _ _	115.6	145TC
15	117.99	5350	1.40	2580	1 1 8		
13	130.00	5108	1.33	2580	1 3 2		
12	147.69	5765	1.22	2580	1 5 0		
10	169.81	7567	1.02	2580	1 6 0		
9.3	184.62	8175	0.94	2580	1 8 0		
8.6	201.02	7708	1.00	2580	2 0 0		
7.6	228.38	8694	0.93	2580	2 2 5		
39	44.13	2152	3.38	6050	C 0 7 2 1 4 5 . _ _ _ _ _ _ 1 . 5 B _ _	201.5	145TC
35	49.90	2423	3.03	6050	5 0 .		
32	53.63	2508	3.23	6050	5 6 .		
28	61.62	2863	2.90	6050	6 3 .		
25	69.00	3316	2.34	6050	7 1 .		
23	75.56	3619	2.16	6050	8 0 .		
20	88.26	4041	2.19	6050	9 0 .		
17	99.79	4553	1.98	6050	1 0 0		
17	104.32	4919	1.65	6050	1 1 2		
15	115.92	5452	1.48	6050	1 2 5		
13	138.00	6198	1.54	6050	1 4 0		
11	151.13	6736	1.45	6050	1 6 0		
8.3	208.65	9101	1.13	6050	2 1 2		
7.4	231.83	10129	1.03	6050	2 5 0		
18	97.33	4601	2.63	6050	C 0 7 3 1 1 0 0 _ _ _ _ _ _ 1 . 5 B _ _	223.6	145TC
15	113.20	5333	2.27	6050	1 1 8		
11	159.98	7437	1.63	6050	1 6 0		
10	170.81	7953	1.52	6050	1 8 0		
8.9	194.65	8492	1.20	6050	2 0 0		
7.6	226.39	9794	1.07	6050	2 2 5		
6.9	249.94	11466	1.06	6050	2 6 5		
6.3	273.68	12508	0.97	6050	2 8 0		
5.4	319.95	13720	0.81	4900	3 1 5		
15	117.89	5602	3.89	9380	C 0 8 2 1 1 2 5 _ _ _ _ _ _ 1 . 5 B _ _	320.6	145TC
12	139.29	6309	3.13	9380	1 4 0		
11	153.00	6908	2.91	9380	1 6 0		
8.4	204.75	9126	2.32	9380	2 1 2		
7.3	235.77	10426	2.08	9380	2 5 0		
3.20	547	29550	1.0	9380	C 0 8 4 1 5 6 0 _ _ _ _ _ _ 1 . 5 B _ _	362.5	145TC
2.75	636	34358	0.8	9380	6 3 0		
3.14	558	30144	1.7	11900	C 0 9 4 1 5 6 0 _ _ _ _ _ _ 1 . 5 B _ _	523.5	145TC
2.70	649	35060	1.5	11900	6 3 0		
2.41	727	39274	1.3	11900	7 1 0		
2.26	774	41813	1.2	11900	8 0 0		
1.91	918	49592	1.0	11900	9 0 0		
1.79	980	52941	1.0	11900	1 0 C		
1.61	1089	58829	0.9	11900	1 1 C		
1.44	1216	65690	0.8	11900	1 2 C		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

1.5 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN Output Speed	i Ratio	lb.in Output Torque	Fm Service Factor	lb Overhung Load	Unit Designation Column Entry 1 Through 20 Spaces to be filled when entering order	lb Weight	Motor Size
3.21	545	29442	3.0	19600	C 1 0 4 1 5 6 0 _ _ _ _ _ _ 1 . 5 B _ _	805.6	145TC
2.80	626	33817	2.6	19600	6 3 0		
2.46	710	38355	2.3	19600	7 1 0		
2.23	783	42299	2.1	19600	8 0 0		
1.95	897	48457	1.8	19600	9 0 0		
1.73	1014	54778	1.6	19600	1 0 C		
1.55	1127	60882	1.4	19600	1 1 C		
1.49	1176	63529	1.4	19600	1 2 C		
1.25	1402	75738	1.2	19600	1 4 C		
1.09	1607	86812	1.0	19600	1 6 C		
0.94	1863	100642	0.9	19600	1 8 C		
0.82	2146	115930	0.8	19600	2 0 C		
0.79	2222	120036	0.8	19600	2 2 C		

2 HP

4 POLE
1750 rpm
nominal
input speed

201	8.59	526	1.30	625	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 2 . 0 B _ _	69.7	145TC
149	11.61	703	1.06	625	1 1 .		
131	13.20	794	0.96	625	1 2 .		
115	14.95	896	0.89	560	1 4 .		
105	16.36	876	0.84	525	1 6 .		
201	8.59	536	2.16	1180	C 0 4 2 1 8 . 0 _ _ _ _ _ _ 2 . 0 B _ _	76.3	145TC
149	11.61	719	1.76	1180	1 1 .		
131	13.20	813	1.60	1180	1 2 .		
115	14.95	918	1.47	1180	1 4 .		
105	16.36	903	1.34	1180	1 6 .		
90	19.13	1166	1.23	1180	1 8 .		
84	20.61	1248	1.17	1180	2 0 .		
78	22.11	1201	1.10	1180	2 2 .		
69	25.14	1356	1.00	1180	2 5 .		
61	28.48	1530	0.93	1090	2 8 .		
51	33.71	1997	0.82	960	3 2 .		
208	8.31	530	3.22	1650	C 0 5 2 1 8 . 0 _ _ _ _ _ _ 2 . 0 B _ _	80.7	145TC
148	11.66	737	2.66	1650	1 1 .		
134	12.85	806	2.52	1650	1 2 .		
118	14.59	912	2.35	1650	1 4 .		
107	16.09	930	2.92	1650	1 6 .		
93	18.53	1147	2.04	1650	1 8 .		
82	21.05	1296	1.88	1650	2 0 .		
76	22.56	1278	2.32	1650	2 2 .		
69	24.86	1396	2.17	1650	2 5 .		
61	28.24	1571	1.98	1650	2 8 .		
53	32.55	1974	1.42	1650	3 2 .		
48	35.86	1963	1.67	1650	3 6 .		
42	40.74	2210	1.51	1650	4 0 .		
37	46.84	2800	1.09	1650	4 5 .		
34	50.93	3032	1.02	1650	5 0 .		
31	55.45	2940	1.22	1650	5 6 .		
27	63.00	3307	1.11	1650	6 3 .		
19	90.67	4646	0.89	1486	9 0 .		
18	98.57	5016	0.83	1370	1 0 0		
52	33.48	2134	2.43	2580	C 0 6 2 1 3 2 . _ _ _ _ _ _ 2 . 0 B _ _	111.5	145TC
36	47.32	2977	1.95	2580	4 5 .		
34	50.52	3170	1.87	2580	5 0 .		
31	55.71	3140	1.90	2580	5 6 .		
27	64.80	3612	1.71	2580	6 3 .		
23	73.92	4569	1.39	2580	7 1 .		
21	80.94	4985	1.29	2580	8 0 .		
19	91.58	5002	1.37	2580	9 0 .		
18	97.78	5295	1.32	2580	1 0 0		
16	110.57	6722	0.99	2580	1 1 2		
12	143.08	7552	0.99	2580	1 4 0		
11	156.67	8248	0.91	2322	1 6 0		
17	103.86	6282	1.16	2580	C 0 6 3 1 1 0 0 _ _ _ _ _ _ 2 . 0 B _ _	122.6	145TC
15	117.99	7133	1.05	2580	1 1 8		
13	130.00	6810	1.00	2580	1 3 2		
12	147.69	7687	0.92	2300	1 5 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

2 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
56	30.81	2022	3.30	6050	C 0 7 2 1 3 2 . _ _ _ _ _ _ 2 . 0 B _ _	208.5	145TC
39	44.13	2870	2.54	6050	C 0 7 2 1 4 5 . _ _ _ _ _ _ 2 . 0 B _ _	208.5	145TC
35	49.90	3231	2.27	6050	5 0 .		
32	53.63	3344	2.42	6050	5 6 .		
28	61.62	3817	2.17	6050	6 3 .		
25	69.00	4421	1.75	6050	7 1 .		
23	75.56	4826	1.62	6050	8 0 .		
20	88.26	5388	1.64	6050	9 0 .		
17	99.79	6070	1.49	6050	1 0 0		
17	104.32	6559	1.24	6050	1 1 2		
15	115.92	7269	1.11	6050	1 2 5		
13	138.00	8264	1.16	6050	1 4 0		
11	151.13	8981	1.08	6050	1 6 0		
18	97.33	6135	1.98	6050	C 0 7 3 1 1 0 0 _ _ _ _ _ _ 2 . 0 B _ _	230.6	145TC
15	113.20	7110	1.71	6050	1 1 8		
11	159.98	9916	1.22	6050	1 6 0		
10	170.81	10604	1.14	6050	1 8 0		
8.9	194.65	11323	0.90	5450	2 0 0		
20	87.29	5409	3.37	9380	C 0 8 2 1 9 0 . _ _ _ _ _ _ 2 . 0 B _ _	327.6	145TC
18	98.53	6060	3.07	9380	1 0 0		
17	102.38	6534	3.56	9380	1 1 2		
15	117.89	7469	2.91	9380	1 2 5		
12	139.29	8412	2.35	9380	1 4 0		
11	153.00	9211	2.18	9380	1 6 0		
8.4	204.75	12169	1.74	9380	2 1 2		
7.3	235.77	13902	1.56	9380	2 5 0		
3.14	558	40192	1.3	11900	C 0 9 4 1 5 6 0 _ _ _ _ _ _ 2 . 0 B _ _	530.4	145TC
2.70	649	46747	1.1	11900	6 3 0		
2.41	727	52365	1.0	11900	7 1 0		
2.26	774	55750	0.9	11900	8 0 0		
1.91	918	66122	0.8	11900	9 0 0		
3.21	545	39256	2.3	19600	C 1 0 4 1 5 6 0 _ _ _ _ _ _ 2 . 0 B _ _	812.6	145TC
2.80	626	45090	2.0	19600	6 3 0		
2.46	710	51140	1.7	19600	7 1 0		
2.23	783	56398	1.6	19600	8 0 0		
1.95	897	64610	1.4	19600	9 0 0		
1.73	1014	73037	1.2	19600	1 0 C		
1.55	1127	81176	1.1	19600	1 1 C		
1.49	1176	84706	1.1	19600	1 2 C		
1.25	1402	100984	0.9	19600	1 4 C		
1.09	1607	115750	0.8	19600	1 6 C		

3 HP

4 POLE
1750 rpm
nominal
input speed

201	8.59	789	0.87	545	C 0 3 2 1 8 . 0 _ _ _ _ _ _ 3 . 0 B _ _	94.1	
182TC							
201	8.59	804	1.44	1180	C 0 4 2 1 8 . 0 _ _ _ _ _ _ 3 . 0 B _ _	98.5	182TC
149	11.61	1079	1.17	1180	1 1 .		
131	13.20	1220	1.07	1180	1 2 .		
115	14.95	1378	0.98	1100	1 4 .		
105	16.36	1355	0.89	1050	1 6 .		
90	19.13	1749	0.82	965	1 8 .		
208	8.31	796	2.15	1650	C 0 5 2 1 8 . 0 _ _ _ _ _ _ 3 . 0 B _ _	102.9	182TC
148	11.66	1106	1.78	1650	1 1 .		
134	12.85	1209	1.68	1650	1 2 .		
118	14.59	1369	1.56	1650	1 4 .		
107	16.09	1395	1.95	1650	1 6 .		
93	18.53	1721	1.36	1650	1 8 .		
82	21.05	1945	1.26	1650	2 0 .		
76	22.56	1917	1.55	1650	2 2 .		
69	24.86	2094	1.45	1650	2 5 .		
61	28.24	2356	1.32	1650	2 8 .		
53	32.55	2961	0.95	1650	3 2 .		
48	35.86	2945	1.11	1650	3 6 .		
42	40.74	3315	1.01	1650	4 0 .		
31	55.45	4410	0.81	1330	5 6 .		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

3 HP

4 POLE
1750 rpm
nominal
input speed

C

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
210	8.23	811	3.74	2580	C 0 6 2 1 8 . 0 _ _ _ _ _ _ 3 . 0 B _ _	147.0	182TC
149	11.57	1137	3.08	2580	1 1 .		
133	12.97	1274	2.88	2580	1 2 .		
118	14.56	1426	2.69	2580	1 4 .		
108	15.93	1435	2.97	2580	1 6 .		
93	18.49	1800	2.34	2580	1 8 .		
82	20.96	2033	2.16	2580	2 0 .		
77	22.40	1994	2.44	2580	2 2 .		
69	25.11	2222	2.28	2580	2 5 .		
61	28.18	2477	2.10	2580	2 8 .		
52	33.48	3201	1.62	2580	3 2 .		
48	35.79	3110	1.77	2580	3 6 .		
43	40.57	3498	1.60	2580	4 0 .		
36	47.32	4466	1.30	2580	4 5 .		
34	50.52	4755	1.25	2580	5 0 .		
31	55.71	4710	1.26	2580	5 6 .		
27	64.80	5418	1.14	2580	6 3 .		
23	73.92	6854	0.93	2580	7 1 .		
21	80.94	7478	0.86	2270	8 0 .		
19	91.58	7503	0.92	2350	9 0 .		
18	97.78	7943	0.88	2270	1 0 0		
109	15.80	1526	3.94	6050	C 0 7 2 1 1 6 . _ _ _ _ _ _ 3 . 0 B _ _	241.8	182TC
86	20.07	2006	3.79	6050	2 0 .		
79	21.89	2102	3.13	6050	2 2 .		
70	24.59	2359	2.88	6050	2 5 .		
64	27.03	2584	2.69	6050	2 8 .		
56	30.81	3033	2.20	6050	3 2 .		
49	35.31	3355	2.21	6050	3 6 .		
43	40.15	3792	2.01	6050	4 0 .		
39	44.13	4305	1.69	6050	4 5 .		
35	49.90	4846	1.52	6050	5 0 .		
32	53.63	5016	1.61	6050	5 6 .		
28	61.62	5726	1.45	6050	6 3 .		
25	69.00	6632	1.17	6050	7 1 .		
23	75.56	7239	1.08	6050	8 0 .		
20	88.26	8083	1.09	6050	9 0 .		
17	99.79	9106	0.99	6050	1 0 0		
17	104.32	9839	0.82	4960	1 1 2		
18	97.33	9203	1.32	6050	C 0 7 3 1 1 0 0 _ _ _ _ _ _ 3 . 0 B _ _	266.0	182TC
15	113.20	10666	1.14	6050	1 1 8		
14	125.04	11089	0.85	5200	1 3 2		
11	159.98	14875	0.82	5000	1 6 0		
35	49.26	4833	3.88	9380	C 0 8 2 1 5 0 . _ _ _ _ _ _ 3 . 0 B _ _	347.6	182TC
32	54.60	5165	3.24	9380	5 6 .		
27	63.56	5989	2.88	9380	6 3 .		
25	69.64	6743	3.10	9380	7 1 .		
23	76.50	7395	2.91	9380	8 0 .		
20	87.29	8113	2.25	9380	9 0 .		
18	98.53	9091	2.04	9380	1 0 0		
17	102.38	9801	2.37	9380	1 1 2		
15	117.89	11204	1.94	9380	1 2 5		
12	139.29	12618	1.56	9380	1 4 0		
11	153.00	13817	1.45	9380	1 6 0		
8.4	204.75	18253	1.16	9380	2 1 2		
7.3	235.77	20853	1.04	9380	2 5 0		
11.22	156	16855	1.7	9380	C 0 8 4 1 1 6 0 _ _ _ _ _ _ 3 . 0 B _ _	404.9	182TC
9.89	177	19124	1.5	9380	1 8 0		
7.95	220	23769	1.2	9380	2 1 2		
7.06	248	26795	1.1	9380	2 5 0		
6.32	277	29928	0.9	9380	2 8 0		
5.61	312	33709	0.8	9380	3 2 0		
16	106.17	10291	3.75	11900	C 0 9 2 1 1 1 2 _ _ _ _ _ _ 3 . 0 B _ _	488.7	182TC
14	119.38	11504	3.39	11900	1 2 5		
12	146.23	13295	3.40	11900	1 4 0		
11	161.44	14618	3.17	11900	1 6 0		
7.8	222.08	19772	2.53	11900	2 1 2		
6.9	249.73	22065	2.33	11900	2 5 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

3 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
10.94	160	17287	3.0	11900	C 0 9 4 1 1 6 0 _ _ _ _ _ _ 3 . 0 B _ _	574.7	182TC
9.89	177	19124	2.7	11900	1 8 0		
7.78	225	24310	2.1	11900	2 1 2		
7.03	249	26903	1.9	11900	2 5 0		
6.21	282	30468	1.7	11900	2 8 0		
5.57	314	33925	1.5	11900	3 2 0		
4.87	359	38787	1.3	11900	3 6 0		
4.30	407	43973	1.2	11900	4 0 0		
3.87	452	48835	1.1	11900	4 5 0		
3.61	485	52401	1.0	11900	5 0 0		
3.14	558	60288	0.9	11900	5 6 0		
7.88	222	23986	3.7	19600	C 1 0 4 1 2 1 2 _ _ _ _ _ _ 3 . 0 B _ _	845.8	182TC
7.09	247	26687	3.3	19600	2 5 0		
6.36	275	29712	3.0	19600	2 8 0		
5.74	305	32953	2.6	19600	3 2 0		
4.87	359	38787	2.3	19600	3 6 0		
4.29	408	44081	2.0	19600	4 0 0		
3.86	453	48943	1.8	19600	4 5 0		
3.54	495	53481	1.7	19600	5 0 0		
3.21	545	58883	1.5	19600	5 6 0		
2.80	626	67635	1.3	19600	6 3 0		
2.46	710	76710	1.2	19600	7 1 0		
2.23	783	84598	1.1	19600	8 0 0		
1.95	897	96914	0.9	19600	9 0 0		
1.73	1014	109555	0.8	19600	1 0 C		

5 HP

4 POLE
1750 rpm
nominal
input speed

201	8.59	1341	0.86	920	C 0 4 2 1 8 . 0 _ _ _ _ _ _ 5 . 0 B _ _	112.5	
184TC							
208	8.31	1326	1.29	1650	C 0 5 2 1 8 . 0 _ _ _ _ _ _ 5 . 0 B _ _	116.0	184TC
148	11.66	1844	1.07	1650	1 1 .		
134	12.85	2015	1.01	1650	1 2 .		
118	14.59	2282	0.94	1650	1 4 .		
107	16.09	2325	1.17	1650	1 6 .		
93	18.53	2869	0.81	1320	1 8 .		
76	22.56	3195	0.93	1500	2 2 .		
69	24.86	3490	0.87	1430	2 5 .		
210	8.23	1352	2.24	2580	C 0 6 2 1 8 . 0 _ _ _ _ _ _ 5 . 0 B _ _	161.0	184TC
149	11.57	1896	1.85	2580	1 1 .		
133	12.97	2124	1.73	2580	1 2 .		
118	14.56	2377	1.62	2580	1 4 .		
108	15.93	2392	1.78	2580	1 6 .		
93	18.49	3000	1.40	2580	1 8 .		
82	20.96	3388	1.30	2580	2 0 .		
77	22.40	3323	1.46	2580	2 2 .		
69	25.11	3703	1.37	2580	2 5 .		
61	28.18	4128	1.26	2580	2 8 .		
52	33.48	5336	0.97	2580	3 2 .		
48	35.79	5184	1.06	2580	3 6 .		
43	40.57	5831	0.96	2450	4 0 .		
218	7.90	1330	3.94	6050	C 0 7 2 1 8 . 0 _ _ _ _ _ _ 5 . 0 B _ _	255.8	184TC
158	10.94	1835	3.28	6050	1 1 .		
140	12.29	2075	3.04	6050	1 2 .		
128	13.52	2272	2.88	6050	1 4 .		
109	15.80	2543	2.37	6050	1 6 .		
98	17.66	2948	2.46	6050	1 8 .		
86	20.07	3343	2.28	6050	2 0 .		
79	21.89	3503	1.88	6050	2 2 .		
70	24.59	3932	1.73	6050	2 5 .		
64	27.03	4308	1.61	6050	2 8 .		
56	30.81	5055	1.32	6050	3 2 .		
49	35.31	5593	1.32	6050	3 6 .		
43	40.15	6321	1.21	6050	4 0 .		
39	44.13	7175	1.02	6050	4 5 .		
35	49.90	8077	0.91	5500	5 0 .		
32	53.63	8360	0.97	5850	5 6 .		
28	61.62	9544	0.87	5260	6 3 .		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

5 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
78	22.03	3540	3.67	9380	C 0 8 2 1 2 2 . _ _ _ _ _ _ 5 . 0 B _ _	361.6	184TC
70	24.47	3940	3.44	9380	2 5 .		
63	27.22	4390	3.23	9380	2 8 .		
54	31.78	5281	3.07	9380	3 2 .		
49	35.20	5645	2.70	9380	3 6 .		
44	39.51	6317	2.48	9380	4 0 .		
40	43.64	7173	2.52	9380	4 5 .		
35	49.26	8056	2.33	9380	5 0 .		
32	54.60	8608	1.94	9380	5 6 .		
27	63.56	9982	1.73	9380	6 3 .		
25	69.64	11238	1.86	9380	7 1 .		
23	76.50	12326	1.74	9380	8 0 .		
20	87.29	13522	1.35	9380	9 0 .		
18	98.53	15151	1.23	9380	1 0 0		
17	102.38	16335	1.42	9380	1 1 2		
15	117.89	18674	1.17	9380	1 2 5		
12	139.29	21030	0.94	8820	1 4 0		
11	153.00	23029	0.87	8200	1 6 0		
11.22	156	28091	1.0	9380	C 0 8 4 1 1 6 0 _ _ _ _ _ _ 5 . 0 B _ _	438TC	184M
9.89	177	31873	0.9	9380	1 8 0		
25	69.91	11442	3.23	11900	C 0 9 2 1 7 1 . _ _ _ _ _ _ 5 . 0 B _ _	502.7	184TC
22	77.18	12584	2.96	11900	8 0 .		
19	93.18	14517	2.75	11900	9 0 .		
17	103.53	15966	2.58	11900	1 0 0		
16	106.17	17152	2.25	11900	1 1 2		
14	119.38	19173	2.04	11900	1 2 5		
12	146.23	22159	2.04	11900	1 4 0		
11	161.44	24364	1.90	11900	1 6 0		
7.8	222.08	32953	1.52	11900	2 1 2		
6.9	249.73	36775	1.40	11900	2 5 0		
10.94	160	28811	1.8	11900	C 0 9 4 1 1 6 0 _ _ _ _ _ _ 5 . 0 B _ _	588.7	184TC
9.89	177	31873	1.6	11900	1 8 0		
7.78	225	40516	1.3	11900	2 1 2		
7.03	249	44838	1.1	11900	2 5 0		
6.21	282	50780	1.0	11900	2 8 0		
5.57	314	56542	0.9	11900	3 2 0		
4.87	359	64646	0.8	11900	3 6 0		
17	101.47	16010	3.89	19600	C 1 0 2 1 1 0 0 _ _ _ _ _ _ 5 . 0 B _ _	745.2	184TC
15	115.82	18816	3.62	19600	1 2 5		
12	144.71	22590	2.93	19600	1 4 0		
10	166.73	25829	2.64	19600	1 6 0		
7.6	225.50	34410	2.09	19600	2 1 2		
7.1	242.27	36790	1.98	19600	2 5 0		
10.87	161	28992	3.1	19600	C 1 0 4 1 1 6 0 _ _ _ _ _ _ 5 . 0 B _ _	859.8	184TC
9.83	178	32053	2.7	19600	1 8 0		
7.88	222	39976	2.2	19600	2 1 2		
7.09	247	44478	2.0	19600	2 5 0		
6.36	275	49520	1.8	19600	2 8 0		
5.74	305	54922	1.6	19600	3 2 0		
4.87	359	64646	1.4	19600	3 6 0		
4.29	408	73469	1.2	19600	4 0 0		
3.86	453	81572	1.1	19600	4 5 0		
3.54	495	89135	1.0	19600	5 0 0		
3.21	545	98139	0.9	19600	5 6 0		
2.80	626	112725	0.8	19600	6 3 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

7.5 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
210	8.23	2028	1.50	2580	C 0 6 2 1 8 . 0 _ _ _ _ _ _ 7 . 5 B _ _	209.0	213TC
149	11.57	2844	1.23	2580	1 1 .		
133	12.97	3186	1.15	2580	1 2 .		
118	14.56	3566	1.08	2580	1 4 .		
108	15.93	3589	1.19	2580	1 6 .		
93	18.49	4500	0.93	2400	1 8 .		
82	20.96	5083	0.87	2240	2 0 .		
218	7.90	1995	2.63	6050	C 0 7 2 1 8 . 0 _ _ _ _ _ _ 7 . 5 B _ _	303.8	213TC
158	10.94	2753	2.19	6050	1 1 .		
140	12.29	3113	2.03	6050	1 2 .		
128	13.52	3409	1.92	6050	1 4 .		
109	15.80	3815	1.58	6050	1 6 .		
98	17.66	4423	1.64	6050	1 8 .		
86	20.07	5015	1.52	6050	2 0 .		
79	21.89	5255	1.25	6050	2 2 .		
70	24.59	5898	1.15	6050	2 5 .		
64	27.03	6462	1.08	6050	2 8 .		
56	30.81	7582	0.88	5300	3 2 .		
49	35.31	8389	0.88	5300	3 6 .		
43	40.15	9481	0.80	4850	4 0 .		
157	11.01	2784	3.88	9380	C 0 8 2 1 1 1 . _ _ _ _ _ _ 7 . 5 B _ _	409.6	213TC
141	12.24	3105	3.65	9380	1 2 .		
127	13.61	3442	3.42	9380	1 4 .		
111	15.54	3788	3.01	9380	1 6 .		
98	17.60	4420	2.94	9380	1 8 .		
87	19.76	4989	2.73	9380	2 0 .		
78	22.03	5310	2.45	9380	2 2 .		
70	24.47	5910	2.29	9380	2 5 .		
63	27.22	6585	2.15	9380	2 8 .		
54	31.78	7922	2.04	9380	3 2 .		
49	35.20	8468	1.80	9380	3 6 .		
44	39.51	9475	1.65	9380	4 0 .		
40	43.64	10760	1.68	9380	4 5 .		
35	49.26	12084	1.55	9380	5 0 .		
32	54.60	12913	1.30	9380	5 6 .		
27	63.56	14973	1.15	9380	6 3 .		
25	69.64	16858	1.24	9380	7 1 .		
23	76.50	18489	1.16	9380	8 0 .		
20	87.29	20283	0.90	8500	9 0 .		
18	98.53	22727	0.82	7690	1 0 0		
17	102.38	24503	0.95	8900	1 1 2		
39	44.55	11094	3.03	11900	C 0 9 2 1 4 5 . _ _ _ _ _ _ 7 . 5 B _ _	560.7	213TC
35	49.49	12258	2.84	11900	5 0 .		
25	69.91	17164	2.15	11900	7 1 .		
22	77.18	18876	1.97	11900	8 0 .		
19	93.18	21776	1.83	11900	9 0 .		
17	103.53	23949	1.72	11900	1 0 0		
16	106.17	25728	1.50	11900	1 1 2		
14	119.38	28760	1.36	11900	1 2 5		
12	146.23	33239	1.36	11900	1 4 0		
11	161.44	36547	1.27	11900	1 6 0		
7.8	222.08	49430	1.01	11900	2 1 2		
6.9	249.73	55163	0.93	11300	2 5 0		
10.9	160	43217	1.2	11900	C 0 9 4 1 1 6 0 _ _ _ _ _ _ 7 . 5 B _ _	586TC	213TC
9.8	177	47809	1.1	11900	1 8 0		
7.7	225	60774	0.9	11900	2 1 2		
7.0	249	67257	0.8	11900	2 5 0		
25	69.18	17141	3.67	15300	C 1 0 2 1 7 1 . _ _ _ _ _ _ 7 . 5 B _ _	793.2	213TC
22	79.71	19675	3.23	16000	8 0 .		
19	91.32	21824	2.80	16600	9 0 .		
17	101.47	24015	2.59	17000	1 0 0		
16	107.80	26413	2.71	17500	1 1 2		
15	115.82	28224	2.41	18000	1 2 5		
12	144.71	33885	1.96	19600	1 4 0		
10	166.73	38744	1.76	19600	1 6 0		
7.6	225.50	51615	1.39	19600	2 1 2		
7.1	242.27	55185	1.32	19600	2 5 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

7.5 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight	Motor Size
10.87	161	43487	2.1	19600	C 1 0 4 1 1 6 0 _ _ _ _ _ _ 7 . 5 B _ _	895.0	213TC
9.83	178	48079	1.8	19600	1 8 0		
7.88	222	59964	1.5	19600	2 1 2		
7.09	247	66716	1.3	19600	2 5 0		
6.36	275	74279	1.2	19600	2 8 0		
5.74	305	82383	1.1	19600	3 2 0		
4.87	359	96968	0.9	19600	3 6 0		
4.29	408	110204	0.8	19600	4 0 0		

10 HP

4 POLE
1750 rpm
nominal
input speed

218	7.90	2660	1.97	6050	C 0 7 2 1 8 . 0 _ _ _ _ _ _ 1 0 . B _ _	318.8	215TC
158	10.94	3671	1.64	6050	1 1 .		
140	12.29	4151	1.52	6050	1 2 .		
128	13.52	4545	1.44	6050	1 4 .		
109	15.80	5087	1.18	6050	1 6 .		
98	17.66	5897	1.23	6050	1 8 .		
86	20.07	6687	1.14	6050	2 0 .		
79	21.89	7006	0.94	5700	2 2 .		
70	24.59	7864	0.86	5200	2 5 .		
64	27.03	8616	0.81	4800	2 8 .		
222	7.77	2623	3.54	9380	C 0 8 2 1 8 . 0 _ _ _ _ _ _ 1 0 . B _ _	424.6	215TC
157	11.01	3713	2.91	9380	1 1 .		
141	12.24	4140	2.74	9380	1 2 .		
127	13.61	4590	2.56	9380	1 4 .		
111	15.54	5051	2.26	9380	1 6 .		
98	17.60	5893	2.21	9380	1 8 .		
87	19.76	6652	2.05	9380	2 0 .		
78	22.03	7081	1.84	9380	2 2 .		
70	24.47	7880	1.72	9380	2 5 .		
63	27.22	8781	1.61	9380	2 8 .		
54	31.78	10562	1.53	9380	3 2 .		
49	35.20	11290	1.35	9380	3 6 .		
44	39.51	12634	1.24	9380	4 0 .		
40	43.64	14347	1.26	9380	4 5 .		
35	49.26	16112	1.16	9380	5 0 .		
32	54.60	17217	0.97	9200	5 6 .		
27	63.56	19964	0.86	8700	6 3 .		
25	69.64	22477	0.93	8900	7 1 .		
23	76.50	24652	0.87	8700	8 0 .		
39	44.55	14792	2.27	11900	C 0 9 2 1 4 5 . _ _ _ _ _ _ 1 0 . B _ _	565.7	215TC
35	49.49	16344	2.13	11900	5 0 .		
25	69.91	22885	1.61	11900	7 1 .		
22	77.18	25168	1.48	11900	8 0 .		
19	93.18	29035	1.37	11900	9 0 .		
17	103.53	31933	1.29	11900	1 0 0		
16	106.17	34304	1.12	11900	1 1 2		
14	119.38	38347	1.02	11900	1 2 5		
12	146.23	44319	1.02	11900	1 4 0		
11	161.44	48729	0.95	11300	1 6 0		
10.94	160	57623	0.9	11000	C 0 9 4 1 1 6 0 _ _ _ _ _ _ 1 0 . B _ _	629.0	215TC
9.89	177	63745	0.8	9500	1 8 0		
36	48.51	16203	3.71	13700	C 1 0 2 1 5 0 . _ _ _ _ _ _ 1 0 . B _ _	808.2	215TC
25	69.18	22855	2.75	14100	7 1 .		
22	79.71	26233	2.42	13700	8 0 .		
19	91.32	29098	2.10	14100	9 0 .		
17	101.47	32020	1.94	13300	1 0 0		
16	107.80	35217	2.04	13500	1 1 2		
15	115.82	37632	1.81	15800	1 2 5		
12	144.71	45180	1.47	16600	1 4 0		
10	166.73	51659	1.32	15300	1 6 0		
7.6	225.50	68821	1.04	16000	2 1 2		
7.1	242.27	73580	0.99	16600	2 5 0		
10.87	161	57983	1.5	19600	C 1 0 4 1 1 6 0 _ _ _ _ _ _ 1 0 . B _ _	935.0	215TC
9.83	178	64105	1.4	19600	1 8 0		
7.88	222	79952	1.1	19600	2 1 2		
7.09	247	88955	1.0	19600	2 5 0		
6.36	275	99039	0.9	19600	2 8 0		
5.74	305	109844	0.8	19600	3 2 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

15 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
223	7.90	3911	1.34	4654	C 0 7 2 1 8 . 0 _ _ _ _ _ _ 1 5 . B _ _	431.8	254TC
161	10.94	5398	1.11	4781	1 1 .		
143	12.29	6103	1.03	4829	1 2 .		
130	13.52	6682	0.98	5035	1 4 .		
111	15.80	7479	0.80	5013	1 6 .		
100	17.66	8670	0.84	5013	1 8 .		
227	7.77	3856	2.41	5761	C 0 8 2 1 8 . 0 _ _ _ _ _ _ 1 5 . B _ _	537.6	254TC
160	11.01	5458	1.98	6125	1 1 .		
144	12.24	6086	1.86	6188	1 2 .		
129	13.61	6748	1.74	6284	1 4 .		
113	15.54	7425	1.54	6474	1 6 .		
100	17.60	8664	1.50	6474	1 8 .		
89	19.76	9780	1.39	6474	2 0 .		
80	22.03	10410	1.25	6474	2 2 .		
72	24.47	11585	1.17	6458	2 5 .		
65	27.22	12909	1.10	6458	2 8 .		
55	31.78	15529	1.04	6442	3 2 .		
50	35.20	16599	0.92	6452	3 6 .		
45	39.51	18575	0.84	6452	4 0 .		
40	43.64	21093	0.86	6429	4 5 .		
160	10.98	5498	3.61	8600	C 0 9 2 1 1 1 . _ _ _ _ _ _ 1 5 . B _ _	685.3	254TC
143	12.30	6152	3.38	9400	1 2 .		
127	13.81	6899	3.16	9700	1 4 .		
106	16.68	7967	2.69	10800	1 6 .		
99	17.79	8865	2.72	10400	1 8 .		
89	19.88	9913	2.54	10800	2 0 .		
77	22.96	10959	2.22	11700	2 2 .		
68	25.73	12230	2.08	7823	2 5 .		
61	28.89	13735	1.93	7823	2 8 .		
56	31.43	15528	1.92	7823	3 2 .		
47	37.22	17559	1.66	7823	3 6 .		
42	41.59	19573	1.56	7823	4 0 .		
40	44.55	21747	1.55	7793	4 5 .		
36	49.49	24028	1.45	7798	5 0 .		
31	57.66	26948	1.27	7800	5 6 .		
27	65.74	30591	1.17	7800	6 3 .		
25	69.91	33646	1.10	7775	7 1 .		
23	77.18	37001	1.01	7775	8 0 .		
19	93.18	42687	0.94	7755	9 0 .		
17	103.53	46947	0.88	7755	1 0 0		
76	23.23	11259	3.94	12400	C 1 0 2 1 2 2 . _ _ _ _ _ _ 1 5 . B _ _	941.0	254TC
70	25.27	12257	3.74	12600	2 5 .		
61	28.70	13909	3.46	12800	2 8 .		
55	31.85	15850	3.34	12200	3 2 .		
47	37.38	17984	2.86	13700	3 6 .		
44	40.36	19392	2.70	14100	4 0 .		
40	43.65	21553	2.75	13300	4 5 .		
36	48.51	23821	2.53	13500	5 0 .		
30	58.85	27956	2.02	15800	5 6 .		
26	66.63	31557	1.83	16600	6 3 .		
25	69.18	33601	1.87	15300	7 1 .		
22	79.71	38568	1.65	16000	8 0 .		
19	91.32	42780	1.43	16600	9 0 .		
17	101.47	47075	1.32	17000	1 0 0		
16	107.80	51775	1.38	17500	1 1 2		
15	115.82	55326	1.23	18000	1 2 5		
12	144.71	66423	1.00	19600	1 4 0		
11	166.73	75948	0.90	19600	1 6 0		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

20 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN Output Speed	i Ratio	lb.in Output Torque	Fm Service Factor	lb Overhung Load	Unit Designation Column Entry 1 Through 20 Spaces to be filled when entering order	lb Weight	Motor Size
223	7.90	5214	1.00	4000	C 0 7 2 1 8 . 0 _ _ _ _ _ _ 2 0 . B _ _	458.8	256TC
161	10.94	7197	0.84	3800	1 1 .		
227	7.77	5142	1.81	9380	C 0 8 2 1 8 . 0 _ _ _ _ _ _ 2 0 . B _ _	564.6	256TC
160	11.01	7278	1.48	9380	1 1 .		
144	12.24	8115	1.40	9380	1 2 .		
129	13.61	8998	1.31	9300	1 4 .		
113	15.54	9901	1.15	7400	1 6 .		
100	17.60	11553	1.13	7300	1 8 .		
89	19.76	13040	1.05	7010	2 0 .		
80	22.03	13880	0.94	6500	2 2 .		
72	24.47	15447	0.88	6200	2 5 .		
65	27.22	17213	0.82	5700	2 8 .		
221	7.97	5332	3.24	8600	C 0 9 2 1 8 . 0 _ _ _ _ _ _ 2 0 . B _ _	712.3	256TC
160	10.98	7331	2.70	9400	1 1 .		
143	12.30	8203	2.54	9700	1 2 .		
127	13.81	9198	2.37	10800	1 4 .		
106	16.68	10622	2.02	10400	1 6 .		
99	17.79	11821	2.04	10800	1 8 .		
89	19.88	13218	1.90	11900	2 0 .		
77	22.96	14612	1.67	11900	2 2 .		
68	25.73	16306	1.56	11900	2 5 .		
61	28.89	18313	1.45	11900	2 8 .		
56	31.43	20704	1.44	11900	3 2 .		
47	37.22	23412	1.25	11900	3 6 .		
42	41.59	26098	1.17	11900	4 0 .		
40	44.55	28997	1.16	11900	4 5 .		
36	49.49	32038	1.09	11900	5 0 .		
31	57.66	35930	0.95	10500	5 6 .		
27	65.74	40788	0.88	10000	6 3 .		
25	69.91	44861	0.82	9500	7 1 .		
106	16.63	10745	3.61	11400	C 1 0 2 1 1 6 . _ _ _ _ _ _ 2 0 . B _ _	968.0	256TC
98	17.87	11958	3.57	11100	1 8 .		
91	19.29	12891	3.41	11400	2 0 .		
76	23.23	15012	2.95	12400	2 2 .		
70	25.27	16343	2.81	12600	2 5 .		
61	28.70	18545	2.60	12800	2 8 .		
55	31.85	21134	2.51	12200	3 2 .		
47	37.38	23979	2.14	13700	3 6 .		
44	40.36	25856	2.02	14100	4 0 .		
40	43.65	28737	2.06	13300	4 5 .		
36	48.51	31761	1.89	13300	5 0 .		
30	58.85	37275	1.52	13500	5 6 .		
26	66.63	42077	1.38	15800	6 3 .		
25	69.18	44801	1.40	16600	7 1 .		
22	79.71	51424	1.23	15300	8 0 .		
19	91.32	57040	1.07	16000	9 0 .		
17	101.47	62767	0.99	16600	1 0 0		
16	107.80	69034	1.04	17500	1 1 2		
15	115.82	73768	0.92	18000	1 2 5		

25 HP

4 POLE
1750 rpm
nominal
input speed

221	7.97	6665	2.59	8600	C 0 9 2 1 8 0 . _ _ _ _ _ _ 2 5 . B _ _	830.7	284TC
160	10.98	9164	2.16	9400	1 1 .		
143	12.30	10253	2.03	9400	1 2 .		
127	13.81	11498	1.89	9700	1 4 .		
106	16.68	13278	1.61	10800	1 6 .		
99	17.79	14776	1.63	10400	1 8 .		
89	19.88	16522	1.52	10800	2 0 .		
77	22.96	18266	1.33	11700	2 2 .		
68	25.73	20383	1.25	11900	2 5 .		
61	28.89	22892	1.16	11900	2 8 .		
56	31.43	25880	1.15	11900	3 2 .		
47	37.22	29265	1.00	11900	3 6 .		
42	41.59	32622	0.93	11000	4 0 .		
40	44.55	36246	0.93	11000	4 5 .		
36	49.49	40047	0.87	10300	5 0 .		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

25 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
158	11.11	9341	3.77	9300	C 1 0 2 1 1 1 . _ _ _ _ _ _ 2 5 . B _ _	1086.5	284TC
146	12.08	10149	3.59	9900	1 2 .		
128	13.72	11502	3.34	10300	1 4 .		
106	16.63	13431	2.89	11400	1 6 .		
98	17.87	14948	2.85	11000	1 8 .		
91	19.29	16113	2.72	11400	2 0 .		
76	23.23	18766	2.36	12400	2 2 .		
70	25.27	20428	2.24	12600	2 5 .		
61	28.70	23181	2.08	12800	2 8 .		
55	31.85	26417	2.01	12200	3 2 .		
47	37.38	29974	1.72	13700	3 6 .		
44	40.36	32320	1.62	14100	4 0 .		
40	43.65	35922	1.65	13300	4 5 .		
36	48.51	39701	1.52	13500	5 0 .		
30	58.85	46593	1.21	15800	5 6 .		
26	66.63	52596	1.1	16600	6 3 .		
25	69.18	56002	1.12	15300	7 1 .		
22	79.71	64280	0.99	16000	8 0 .		
19	91.32	71300	0.86	16600	9 0 .		

30 HP

4 POLE
1750 rpm
nominal
input speed

221	7.97	7998	2.16	8600	C 0 9 2 1 8 . 0 _ _ _ _ _ _ 3 0 . B _ _	824.7	286TC
160	10.98	10997	1.80	9400	1 1 .		
143	12.30	12304	1.69	9400	1 2 .		
127	13.81	13798	1.58	9700	1 4 .		
106	16.68	15934	1.34	10800	1 6 .		
99	17.79	17731	1.36	10400	1 8 .		
89	19.88	19827	1.27	10800	2 0 .		
77	22.96	21919	1.11	11700	2 2 .		
68	25.73	24460	1.04	11000	2 5 .		
61	28.89	27470	0.97	10600	2 8 .		
56	31.43	31056	0.96	10500	3 2 .		
47	37.22	35118	0.83	9800	3 6 .		
221	7.95	8019	3.79	7700	C 1 0 2 1 8 . 0 _ _ _ _ _ _ 3 0 . B _ _	1080.5	286TC
158	11.11	11209	3.14	9300	1 1 .		
146	12.08	12179	2.99	9900	1 2 .		
128	13.72	13803	2.78	10300	1 4 .		
106	16.63	16118	2.41	11400	1 6 .		
98	17.87	17938	2.38	11000	1 8 .		
91	19.29	19336	2.27	11400	2 0 .		
76	23.23	22519	1.97	12400	2 2 .		
70	25.27	24514	1.87	12600	2 5 .		
61	28.70	27818	1.73	12800	2 8 .		
55	31.85	31701	1.67	12200	3 2 .		
47	37.38	35969	1.43	13700	3 6 .		
44	40.36	38784	1.35	14100	4 0 .		
40	43.65	43106	1.38	13300	4 5 .		
36	48.51	47642	1.26	13500	5 0 .		
30	58.85	55912	1.01	15800	5 6 .		
26	66.63	63115	0.92	16600	6 3 .		
25	69.18	67202	0.94	15300	7 1 .		
22	79.71	77136	0.82	14000	8 0 .		

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

C

40 HP

4 POLE
1750 rpm
nominal
input speed

N2 R/MIN	i	lb.in	Fm	lb	Unit Designation	lb	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight	Motor Size
221	7.97	10664	1.62	11900	C 0 9 2 1 8 . 0 _ _ _ _ _ _ 4 0 . B _ _	940.1	324TC
160	10.98	14663	1.35	11900	1 1 .		
143	12.30	16406	1.27	11900	1 2 .		
127	13.81	18397	1.18	11900	1 4 .		
106	16.68	21245	1.01	11900	1 6 .		
99	17.79	23642	1.02	11900	1 8 .		
89	19.88	26436	.95	11900	2 0 .		
77	22.96	29225	.83	11900	2 2 .		
221	7.97	10693	2.84	7700	C 1 0 2 1 8 . 0 _ _ _ _ _ _ 4 0 . B _ _	1205	324TC
158	11.11	14946	2.36	9300	1 . 0		
146	12.08	16238	2.25	9900	2 . 0		
128	13.72	18404	2.09	10300	4 . 0		
106	16.63	21490	1.80	11400	6 . 0		
98	17.87	23917	1.78	11000	8 . 0		
91	19.29	25782	1.70	11400	2 0 .		
76	23.23	30025	1.48	12400	2 2 .		
70	25.27	32686	1.40	12600	2 5 .		
61	28.70	37090	1.30	12800	2 8 .		
65	31.85	42268	1.25	12200	3 2 .		
55	37.38	47959	1.07	13700	3 6 .		
47	40.36	51712	1.01	14400	4 0 .		
44	43.65	57475	1.03	13300	4 5 .		
36	48.51	63523	0.98	13500	5 0 .		

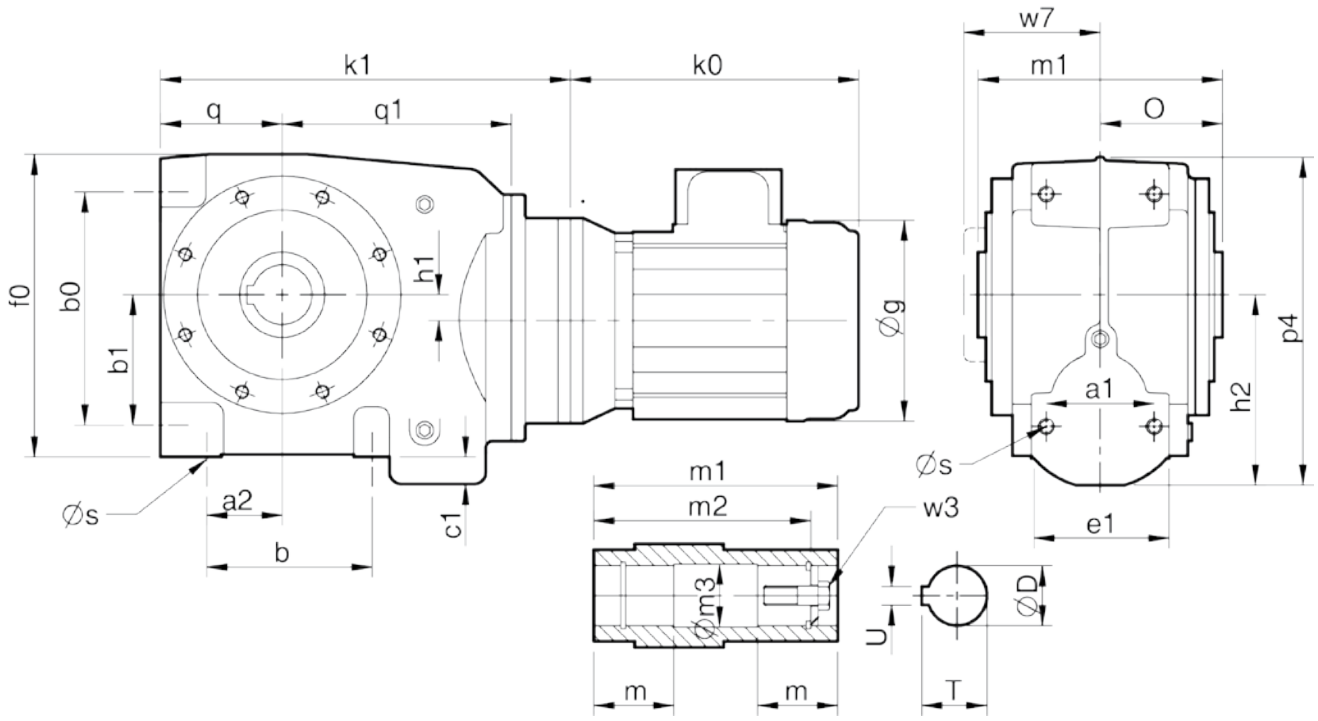
50 HP

4 POLE
1750 rpm
nominal
input speed

221	7.97	10664	1.62	8600	C 0 9 2 1 8 . 0 _ _ _ _ _ _ 5 0 . B _ _	1095	326TC
180	10.98	14663	1.35	9400			
143	12.30	16406	1.27	9400			
127	13.81	18397	1.18	9700			
106	16.68	21245	1.01	10800			
99	17.79	23642	1.02	10400			
89	19.88	26436	0.95	10800			
77	22.96	29225	0.83	11700			
221	7.95	10693	2.84	7700	C 1 0 2 1 8 . 0 _ _ _ _ _ _ 5 0 . B _ _	1360	326TC
158	11.11	14946	2.36	9300			
146	12.08	16238	2.25	9900			
128	13.72	18404	2.09	10300			
106	16.63	21490	1.80	11400			
98	17.87	23917	1.78	11000			
91	19.29	25782	1.70	11400			
76	23.23	30025	1.48	12400			
70	25.27	32685	1.40	12600			
61	28.7	37090	1.30	12800			
55	31.85	42268	1.25	12200			
47	37.38	47959	1.07	14100			
44	40.36	51712	1.01	13300			
40	43.65	57475	1.03	13500			
36	48.51	63523	0.95	15800			

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult Application Engineering

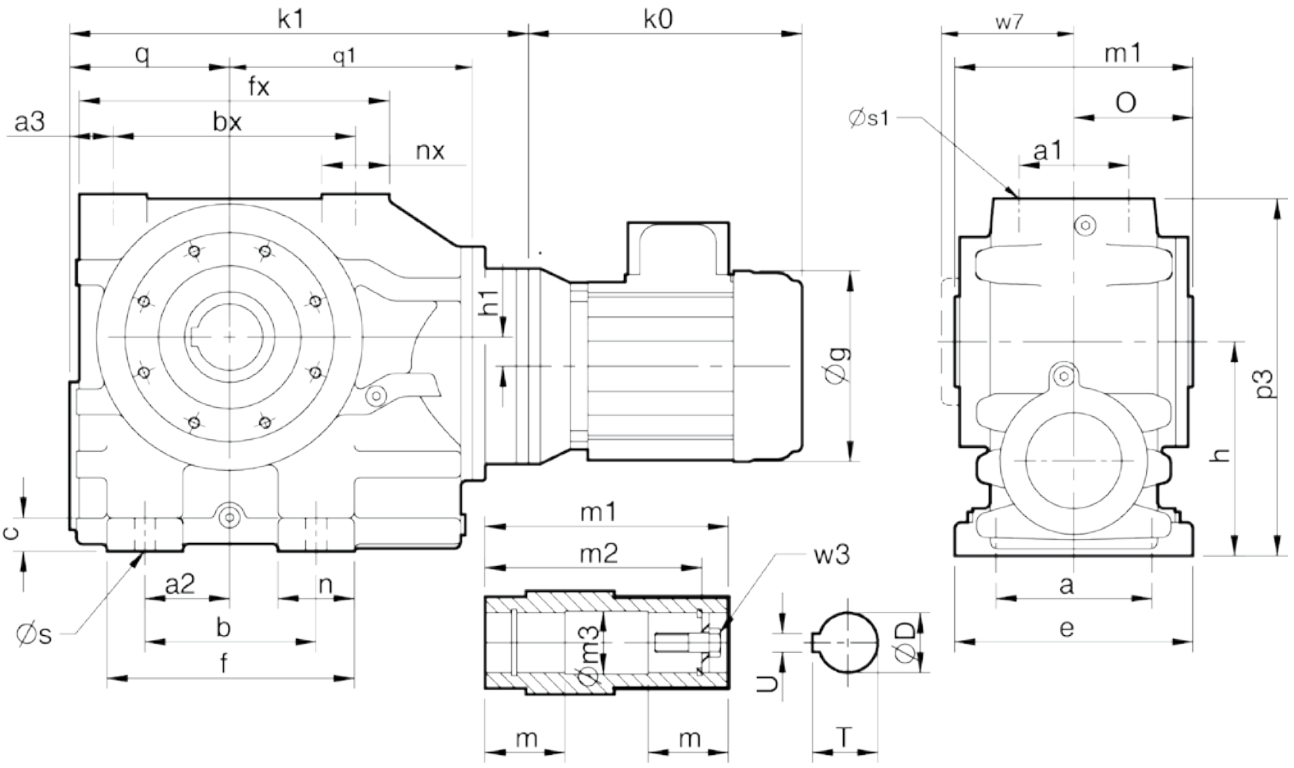


C

Size	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o	p4	q	q1
C0321	2.13	1.38	2.48	3.15	1.57	0.35	2.76	5.47	0.21	3.13	2.44	5.83	2.13	4.29
C0421	2.20	1.38	3.15	4.65	2.56	0.28	3.15	6.22	0.59	3.66	2.56	6.61	2.52	4.69
C0521	2.68	1.77	3.94	5.59	3.03	0.63	3.39	6.97	0.51	4.41	2.76	7.87	2.68	5.28
C0621	3.15	2.20	4.80	6.77	3.78	0.79	4.02	8.58	0.67	5.49	3.54	9.57	3.54	6.65

Size	s	w7	Hollow Output Bore							
			D	m	m1	m2	m3	T	U	w3
C0321	M8, 0.59 deep	2.76	0.75	2.05	4.88	4.09	0.80	0.84	0.188	1/4" UNF x 1.50
C0421	M10, 0.79 deep	2.93	1.25	2.13	5.12	4.80	1.19	1.32	0.25	3/8" UNF x 2.00
C0521	M10, 0.71 deep	3.11	1.375	2.20	5.51	5.00	1.39	1.53	0.313	1/2" UNF x 2.00
C0621	M12, 0.79 deep	3.98	1.50	2.76	7.09	6.14	1.78	1.62	0.375	5/8" UNF x 2.75

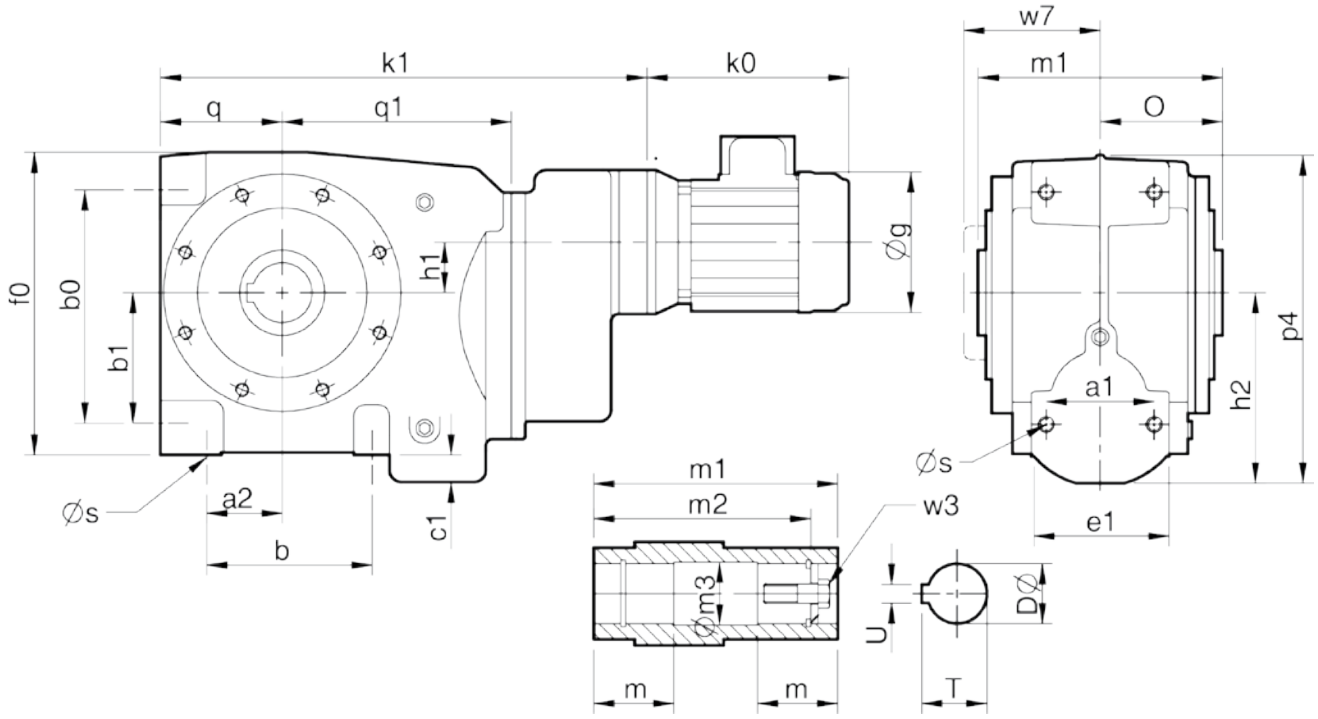
NEMA Motor	k0 (max)	g	C0321	C0421	C0521	C0621
			k1	k1	k1	k1
56c	12.00	6.13	8.98	9.76	10.51	12.17
143Tc / 145Tc	12.00	7.13	8.98	9.76	10.51	12.17
182Tc / 184Tc	15.50	8.50	8.66	9.45	10.20	13.15
213Tc / 215Tc	16.50	10.19	-	-	-	13.15



Size	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	n	nx	o	p3	q	q1
C0721	5.91	3.94	2.95	1.40	5.31	8.46	1.10	7.28	7.95	11.02	7.09	1.02	2.64	2.48	4.29	11.89	5.63	8.66
C0821	7.87	4.72	3.62	1.69	7.09	9.84	1.38	9.84	10.24	12.83	8.86	1.10	3.15	2.80	4.92	14.76	6.61	10.04
C0921	9.84	5.31	4.52	1.97	9.25	11.42	1.57	12.01	12.60	14.96	11.02	1.57	3.35	3.35	5.91	17.99	7.68	11.81
C1021	11.81	5.91	6.69	2.46	12.20	13.58	1.77	14.17	16.54	18.11	13.19	2.56	4.33	4.21	6.89	22.24	9.25	13.98

Size	s	s1	w7	Hollow Output Bore							
				D	m	m1	m2	m3	T	U	w3
C0721	0.71	M20, 1.34 deep	4.92	2.00	3.11	8.58	7.40	2.38	2.23	0.50	$^{5}/_{8}$" UNF x 3.00
C0821	0.87	M20, 1.34 deep	5.63	2.375	3.54	9.84	8.66	2.78	2.66	0.625	$^{3}/_{4}$" UNF x 3.00
C0921	1.02	M24, 1.77 deep	6.65	2.75	4.23	11.81	10.43	3.56	3.04	0.625	$^{3}/_{4}$" UNF x 4.25
C1021	1.02	M24, 1.77 deep	7.80	3.25	5.22	13.78	12.32	3.96	3.59	0.75	1" UNF x 4.25

NEMA Motor	k0 (max)	g	C0721	C0821	C0921	C1021
			k1	k1	k1	k1
56c	12.00	6.13	16.34	20.16	-	-
143Tc / 145Tc	12.00	7.13	16.34	20.16	-	-
182Tc / 184Tc	15.50	8.50	16.69	20.16	22.01	25.59
213Tc / 215Tc	16.50	10.19	16.69	20.16	22.01	25.59
254Tc / 256Tc	20.00	12.50	16.61	20.16	23.39	26.77
284Tc / 286Tc	23.35	15.56	-	-	23.50	26.89
324Tc / 326Tc	25.25	16.94	-	-	24.17	27.52

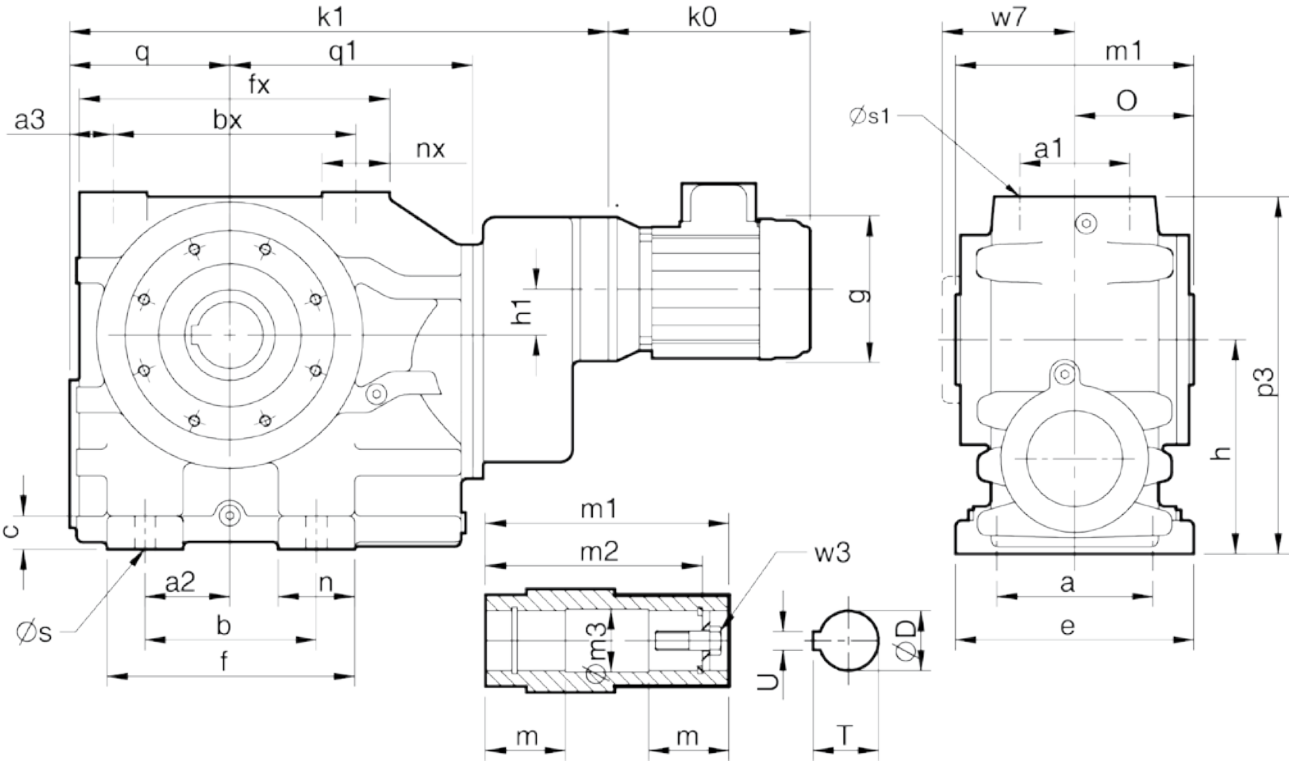


C

Size	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o	p4	q	q1
C0331	2.13	1.38	2.48	3.15	1.57	0.35	2.76	5.47	1.21	3.13	2.44	5.83	2.13	4.29
C0431	2.20	1.38	3.15	4.65	2.56	0.28	3.15	6.22	0.83	3.66	2.56	6.61	2.52	4.69
C0531	2.68	1.77	3.94	5.59	3.03	0.63	3.39	6.97	0.91	4.41	2.76	7.87	2.68	5.28
C0631	3.15	2.20	4.80	6.77	3.78	0.79	4.02	8.58	1.18	5.49	3.54	9.57	3.54	6.65

Size	s	w7	Hollow Output Bore							
			D	m	m1	m2	m3	T	U	w3
C0331	M8, 0.59 deep	2.76	0.75	2.05	4.88	4.09	0.80	0.84	0.188	1/4" UNF x 1.50
C0431	M10, 0.79 deep	2.93	1.25	2.13	5.12	4.80	1.19	1.37	0.25	3/8" UNF x 2.00
C0531	M10, 0.71 deep	3.11	1.375	2.20	5.51	5.00	1.39	1.53	0.313	1/2" UNF x 2.00
C0631	M12, 0.79 deep	3.98	1.50	2.76	7.09	6.14	1.78	1.67	0.375	5/8" UNF x 2.75

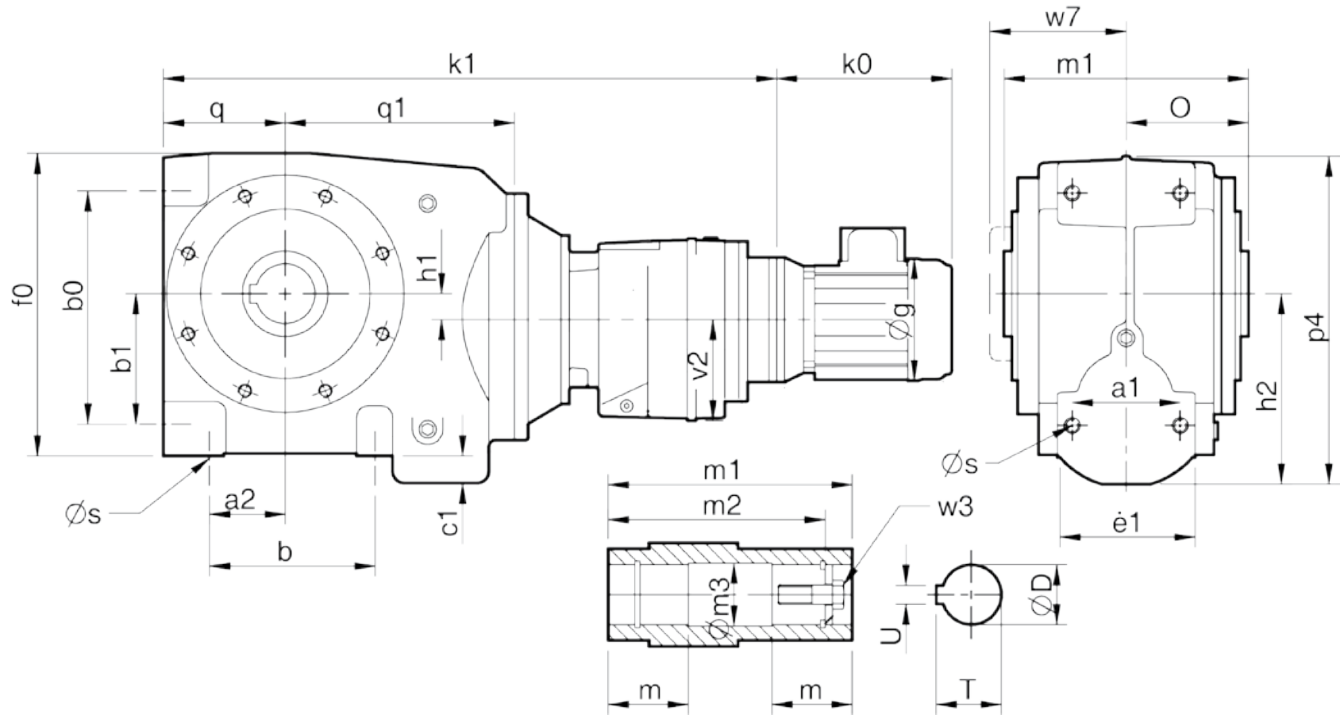
NEMA Motor	k0 (max)	g	C0331	C0431	C0531	C0631
			k1	k1	k1	k1
56c	12.00	6.13	11.18	11.97	12.72	15.35
143Tc / 145Tc	12.00	7.13	11.18	11.97	12.72	15.35
182Tc / 184Tc	15.50	8.50	10.87	11.65	12.40	15.04



Size	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	n	nx	o	p3	q	q1
C0731	5.91	3.94	2.95	1.40	5.31	8.46	1.10	7.28	7.95	11.02	7.09	1.34	2.64	2.48	4.29	11.89	5.63	8.66

Size	s	s1	w7	Hollow Output Bore							
				D	m	m1	m2	m3	T	U	w3
C0731	0.71	M20, 1.34 deep	4.92	2.0	3.11	8.58	7.40	2.38	2.23	0.50	$^{5}/_{8}$" UNF x 3.00

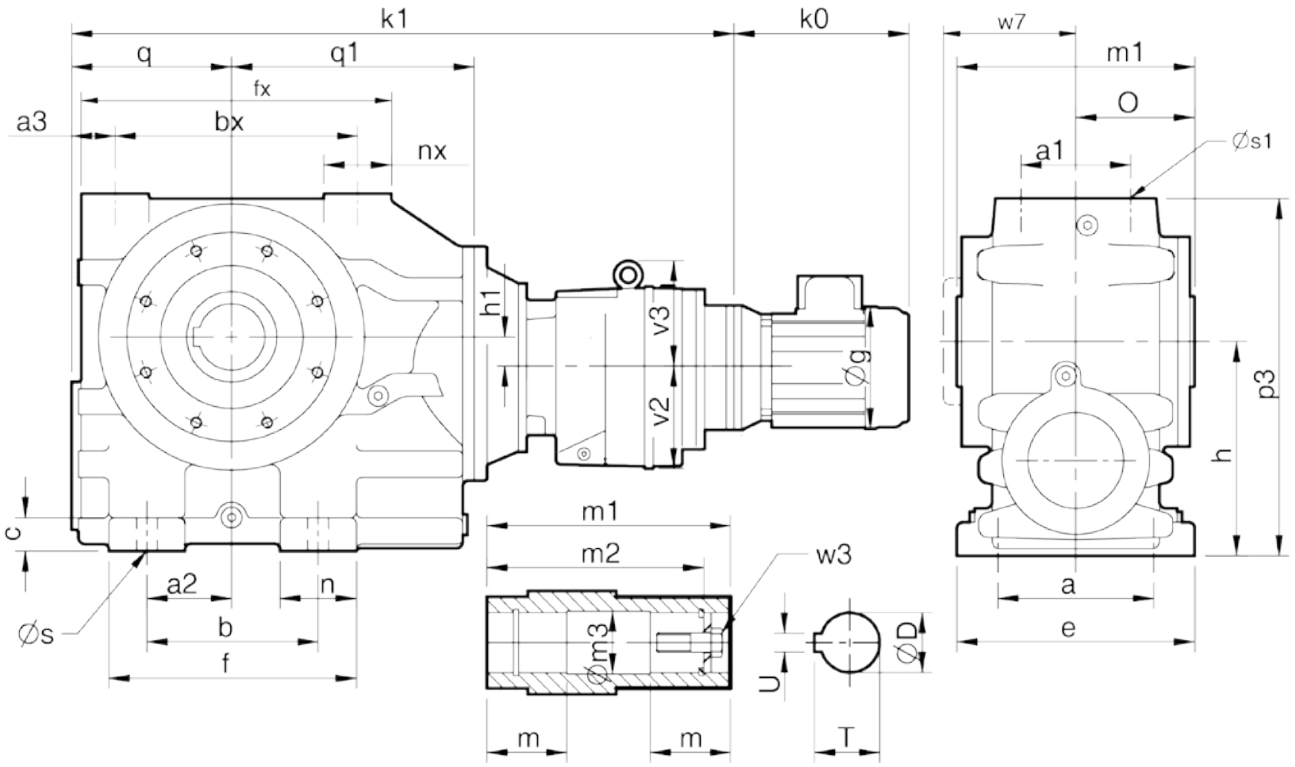
NEMA Motor	k0 (max)	g	C0731
			k1
56c	12.00	6.13	19.65
143Tc / 145Tc	12.00	7.13	19.65
182Tc / 184Tc	15.50	8.50	20.63
213Tc / 215Tc	16.50	10.19	20.63



Size	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o	p4	q	q1
C0341	2.13	1.38	2.48	3.15	1.57	0.35	2.76	5.47	0.21	3.13	2.44	5.83	2.13	4.29
C0441	2.20	1.38	3.15	4.65	2.56	0.28	3.15	6.22	0.59	3.66	2.56	6.61	2.52	4.69
C0541	2.68	1.77	3.94	5.59	3.03	0.63	3.39	6.97	0.51	4.41	2.76	7.87	2.68	5.28
C0641	3.15	2.20	4.80	6.77	3.78	0.79	4.02	8.58	0.67	5.49	3.54	9.57	3.54	6.65

Size	s	v2	w7	Hollow Output Bore							
				D	m	m1	m2	m3	T	U	w3
C0341	M8, 0.59 deep	2.99	2.76	0.75	2.05	4.88	4.09	0.80	0.84	0.188	1/4" UNF x 1.50
C0441	M10, 0.79 deep	2.99	2.93	1.25	2.13	5.12	4.80	1.19	1.37	0.25	3/8" UNF x 2.00
C0541	M10, 0.71 deep	2.99	3.11	1.375	2.20	5.51	5.00	1.39	1.53	0.313	1/2" UNF x 2.00
C0641	M12, 0.79 deep	3.58	3.98	1.50	2.76	7.09	6.14	1.78	1.67	0.375	5/8" UNF x 2.75

NEMA Motor	k0 (max)	g	C0341	C0441	C0541	C0641
			k1	k1	k1	k1
56c	12.00	6.13	16.30	17.09	17.83	20.71
143Tc / 145Tc	12.00	7.13	16.30	17.09	17.83	20.71
182Tc / 184Tc	15.50	8.50	15.98	16.77	17.52	20.39



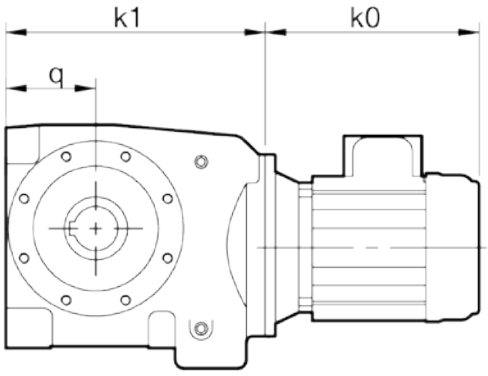
C

SIZE	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1		n x	o	p3	q	q1
C0741	5.91	3.94	2.95	1.40	5.31	8.46	1.10	7.28	7.95	11.02	4.09	1.02	2.64	2.48	4.29	11.89	5.63	8.66
C0841	7.87	4.72	3.62	1.69	7.09	9.84	1.38	9.84	10.24	12.83	8.86	1.10	3.15	2.80	4.92	14.76	6.61	10.04
C0941	9.84	5.31	4.53	1.97	9.25	11.42	1.57	12.01	12.60	14.96	11.02	1.57	3.35	3.35	5.91	17.99	7.68	11.81
C1041	11.81	5.91	6.69	2.46	12.20	13.58	1.77	14.17	16.54	18.11	13.19	2.56	4.33	4.21	6.89	22.24	9.25	13.98

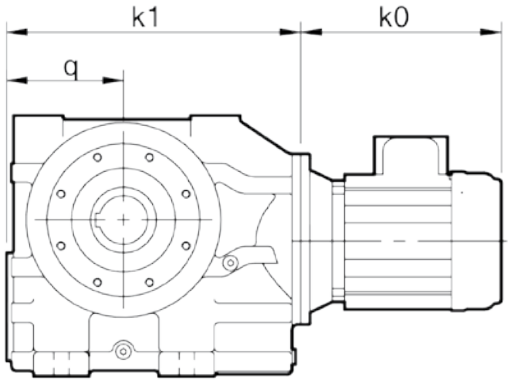
SIZE	s	s1	v2	v3	w7	Hollow Output Bore							
						D	m	m1	m2	m3	T	U	w3
C0741	0.71	M20, 1.34 deep	3.58	-	4.92	2.00	3.11	8.58	7.40	2.38	2.23	0.50	$^{5}/_{8}$" UNF x 3.00
C0841	0.87	M20, 1.34 deep	4.53	-	5.63	2.375	3.54	9.84	8.66	2.78	2.66	0.625	$^{3}/_{4}$" UNF x 3.00
C0941	1.02	M24, 1.77 deep	4.53	-	6.65	2.75	4.23	11.81	10.43	3.56	3.04	0.625	$^{3}/_{4}$" UNF x 4.25
C1041	1.02	M24, 1.77 deep	5.51	6.10	7.80	3.25	5.22	13.78	12.32	3.96	3.59	0.75	1" UNF x 4.25

NEMA Motor Frame Size	k0 (max)	g	C0741	C0841	C0941	C1041
			k1	k1	k1	k1
56c	12.00	6.13	24.84	28.27	31.54	48.77
143Tc / 145Tc	12.00	7.13	24.84	28.27	31.54	48.77
182Tc / 184Tc	15.50	8.50	24.53	29.25	32.52	52.63
213Tc / 215Tc	16.50	10.19	-	29.25	32.52	52.63

Double Reduction Units



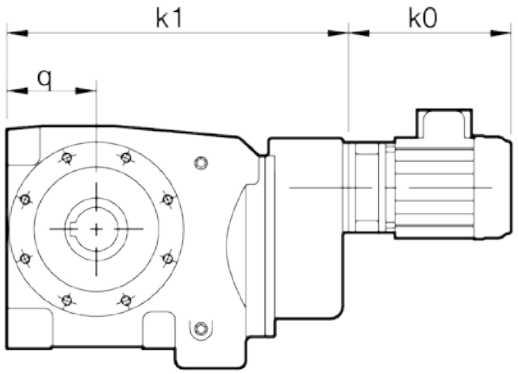
C0321 - C0621



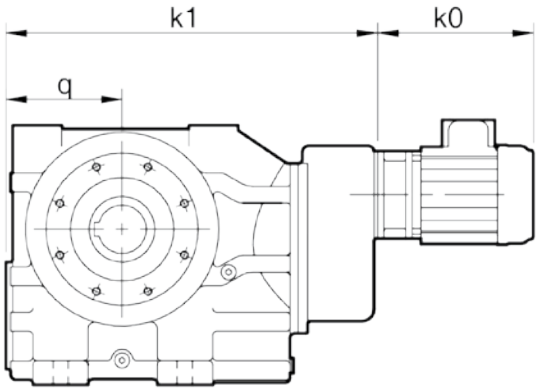
C0721 - C0821

Size		C0321			C0421			C0521			C0621			C0721			C0821		
	g	k1	k0	q	k1	k0	q	k1	k0	q	k1	k0	q	k1	k0	q	k1	k0	q
0.33 HP	5.51	6.42	9.06	2.13	7.20	9.06	2.52	7.95	9.06	2.68	-	-	-	-	-	-	-	-	-
0.50 HP	5.51	6.42	9.06	2.13	7.20	9.06	2.52	7.95	9.06	2.68	-	-	-	-	-	-	-	-	-
0.75 HP	6.22	6.42	11.02	2.13	7.20	11.02	2.52	7.95	11.02	2.68	10.20	10.43	3.54	-	-	-	-	-	-
1.0 HP	6.22	6.42	11.81	2.13	7.20	11.81	2.52	7.95	11.81	2.68	10.20	11.22	3.54	-	-	-	-	-	-
1.5 HP	7.09	6.42	12.99	2.13	7.20	12.99	2.52	7.95	12.99	2.68	10.20	12.40	3.54	14.29	11.81	5.75	-	-	-
2.0 HP	7.09	6.42	14.37	2.13	7.20	14.37	2.52	7.95	14.37	2.68	10.20	13.78	3.54	14.29	13.19	5.75	-	-	-
3.0 HP	7.80	-	-	-	-	-	-	-	-	-	10.20	13.98	3.54	14.29	13.39	5.75	16.65	13.19	6.61
4.0 HP	7.80	-	-	-	-	-	-	-	-	-	10.20	14.37	3.54	14.29	13.78	5.75	16.65	13.78	6.61
5.5 HP	8.74	-	-	-	-	-	-	-	-	-	10.20	16.69	3.54	14.29	16.14	5.75	16.65	15.75	6.61
7.5 HP	10.31	-	-	-	-	-	-	-	-	-	10.20	19.49	3.54	14.29	18.90	5.75	16.65	18.70	6.61
10 HP	10.31	-	-	-	-	-	-	-	-	-	-	-	-	14.29	18.90	5.75	16.65	18.70	6.61

Triple Reduction Units



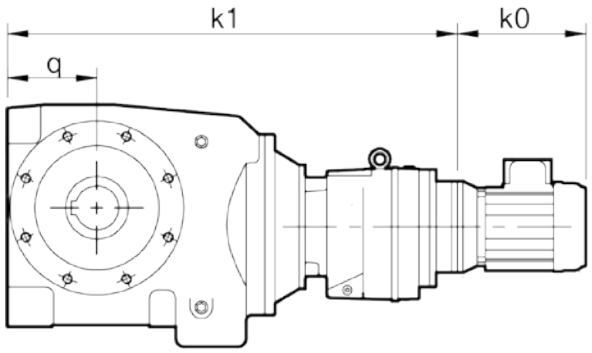
C0331 - C0631



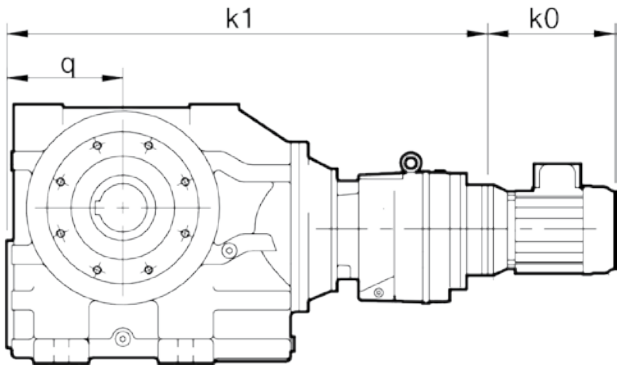
C0731 - C0831

Size		C0331			C0431			C0531			C0631			C0731		
	g	k1	k0	q	k1	k0	q	k1	k0	q	k1	k0	q	k1	k0	q
0.33 HP	5.51	8.62	9.06	2.13	9.41	9.06	2.52	10.16	9.06	2.68	12.80	9.06	3.54	-	-	-
0.50 HP	5.51	8.62	9.06	2.13	9.41	9.06	2.52	10.16	9.06	2.68	12.80	9.06	3.54	-	-	-
0.75 HP	6.22	8.62	11.42	2.13	9.41	11.02	2.52	10.16	11.02	2.68	12.80	11.02	3.54	17.68	10.43	5.63
1.0 HP	6.22	8.62	11.81	2.13	9.41	11.81	2.52	10.16	11.81	2.68	12.80	11.81	3.54	17.68	11.22	5.63
1.5 HP	7.09	8.62	12.99	2.13	9.41	12.99	2.52	10.16	12.99	2.68	12.80	12.99	3.54	17.68	12.40	5.63
2.0 HP	7.09	8.62	14.37	2.13	9.41	14.37	2.52	10.16	14.37	2.68	12.80	14.37	3.54	17.68	13.78	5.63
3.0 HP	7.80	-	-	-	-	-	-	-	-	-	-	-	-	17.68	13.98	5.63
4.0 HP	7.80	-	-	-	-	-	-	-	-	-	-	-	-	17.68	14.37	5.63
5.5 HP	8.74	-	-	-	-	-	-	-	-	-	-	-	-	17.68	16.69	5.63
7.5 HP	10.31	-	-	-	-	-	-	-	-	-	-	-	-	17.68	19.49	5.63

Quadruple Reduction Units



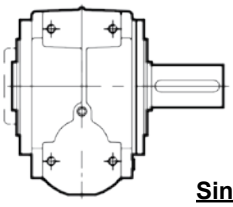
C0341 - C0641



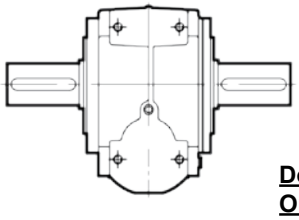
C0741 - C0841

Size		C0341			C0441			C0541			C0641			C0741		
	g	k1	k0	q	k1	k0	q	k1	k0	q	k1	k0	q	k1	k0	q
0.33 HP	5.51	13.74	9.06	2.13	14.53	9.06	2.52	15.28	9.06	2.68	18.15	9.06	3.54	22.28	9.06	5.63
0.50 HP	5.51	13.74	9.06	2.13	14.53	9.06	2.52	15.28	9.06	2.68	18.15	9.06	3.54	22.28	9.06	5.63
0.75 HP	6.22	13.74	11.02	2.13	14.53	11.02	2.52	15.28	11.02	2.68	18.15	11.02	3.54	22.28	11.02	5.63
1.0 HP	6.22	13.74	11.81	2.13	14.53	11.81	2.52	15.28	11.81	2.68	18.15	11.81	3.54	22.28	11.81	5.63

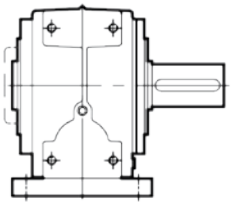
Size		C0841			C0941			C1041		
	g	k1	k0	q	k1	k0	q	k1	k0	q
0.75 HP	6.22	26.30	10.43	6.61	29.57	10.43	7.68	-	-	-
1.0 HP	6.22	26.30	11.22	6.61	29.57	11.22	7.68	-	-	-
1.5 HP	7.09	26.30	12.40	6.61	29.57	12.40	7.68	34.72	11.81	9.25
2.0 HP	7.09	26.30	13.78	6.61	29.57	13.78	7.68	34.72	13.19	9.25
3.0 HP	7.80	26.30	13.98	6.61	29.57	13.98	7.68	34.72	13.39	9.25
4.0 HP	7.80	26.30	14.37	6.61	29.57	14.37	7.68	34.72	13.78	9.25
5.5 HP	8.74	26.30	16.69	6.61	29.57	16.69	7.68	34.72	16.14	9.25
7.5 HP	10.31	26.30	19.49	6.61	29.57	19.49	7.68	34.72	18.90	9.25
10 HP	10.31	-	-	-	-	-	-	34.72	18.90	9.25



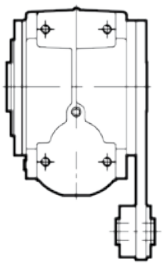
Single Extended Outputshaft



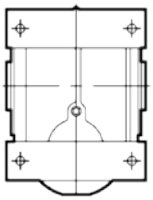
Double Extended Outputshaft



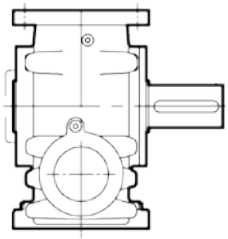
Base Mounted Feet



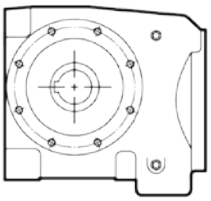
Torque Bracket



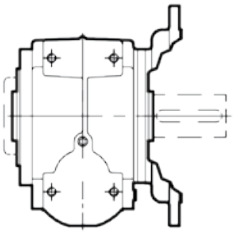
End Mounted Feet



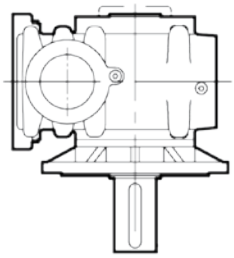
Top Mounted Feet



B14 (C) Flange Mounting



B5 (D) Flange Mounting



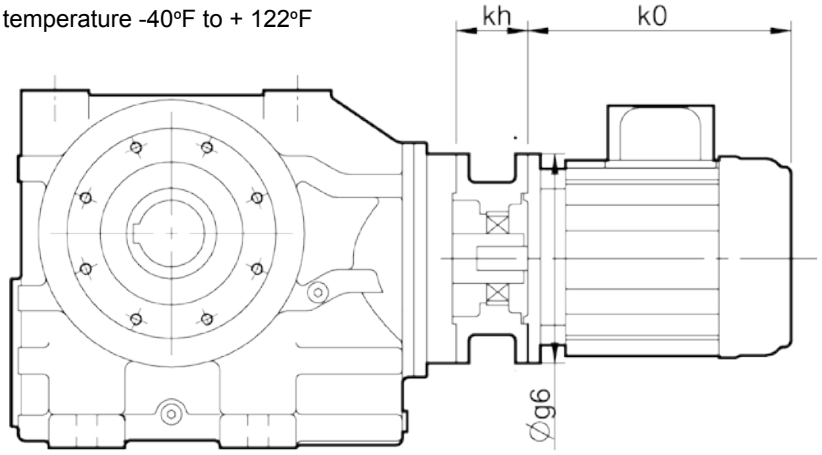
Agitator Units Non-Standard Special Build

C

MOTORIZED BACKSTOP MODULE

Motorized backstop modules can be fitted between the gear unit and motor. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (rev/min).
To ensure correct operation motor speed must exceed lift off speed.

Suitable for ambient temperature -40ºF to + 122ºF



Warning

Removal of motor or backstop will release the drive. Ensure all driven machinery is secure prior to any maintenance work

NEMA C FLANGE

Motor Frame Size	Lift off Speed (rev/min)	Rated Locking Torque ('T max') at motor (lb-in)	øg6	kh
182TC / 184TC	670	2650	9.0	3.75
213TC / 215TC	670	2650	9.0	3.75
254TC / 256TC	620	8300	9.0	4.75
284TC / 286TC	620	8300	11.0	5.37
324TC / 326TC	550	11100	13.0	6.00

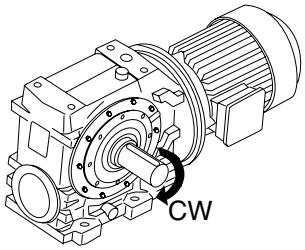
IEC B5 FLANGE

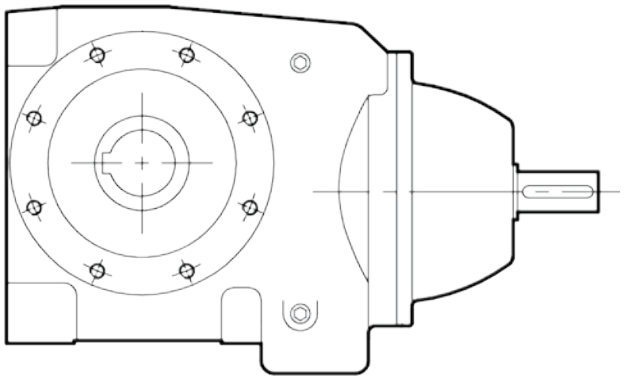
Motor Frame Size	Lift off Speed (rev/min)	Rated Locking Torque ('T max') at motor (lb-in)	øg6	kh
100	670	1500	9.84	2.76
112	670	1500	9.84	2.76
132	620	8300	11.81	3.74
160	620	8300	13.77	5.12
180	620	8300	13.77	5.12
200	550	11100	15.74	5.12

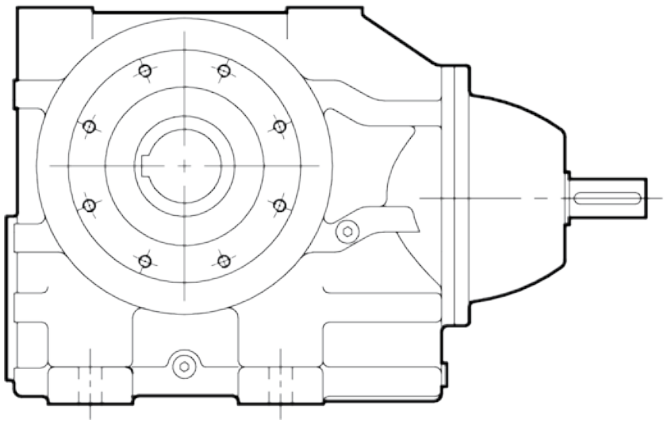
When a backstop module is fitted dimension kh should be added to the overall length of the geared motor assembly.

Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise







C

REDUCER

SERIES C

OVERHUNG & AXIAL LOADS (NEWTONS) ON SHAFTS

Maximum permissible overhung loads

When a sprocket, gear etc. is mounted on the shaft a calculation, as below, must be made to determine the overhung load on the shaft, and the results compared to the maximum permissible overhung loads tabulated. Overhung loads can be reduced by increasing the diameter of the sprocket, gear, etc. If the maximum permissible overhung load is exceeded, the sprocket, gear, etc. should be mounted on a separate shaft, flexibly coupled and supported in its own bearings, or the gear unit shaft should be extended to run in an outboard bearing. Alternatively, a larger gear is often a less expensive solution.

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavourable direction with the unit transmitting full rated power and the load P applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to our Application Engineers for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life. All units will accept 100% momentary overload on stated capacities.

Overhung load (lbs)

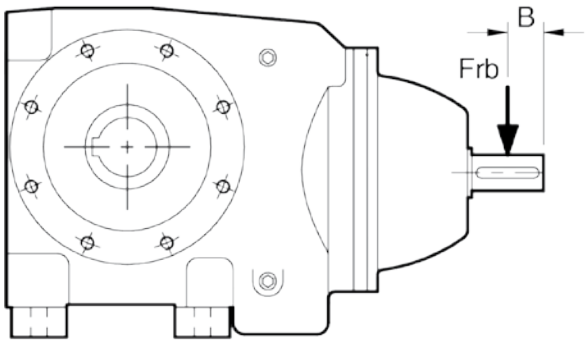
$$P = \frac{HP \times 63{,}000 \times K}{N \times R}$$

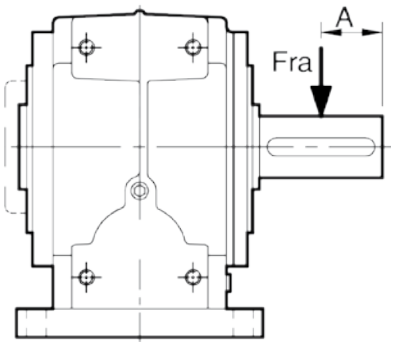
where

P = equivalent overhung load (lbs)
HP = power transmitted by the shaft (HP)
N = speed of shaft (rpm)
R = pitch radius of sprocket, etc. (in)
K = factor

Overhung load	K (factor)
Chain sprocket*	1.00
Spur or helical pinion	1.25
Vee belt sheave	1.50
Flat belt pulley	2.00

* If multistrand chain drives are equally loaded and the outer strand is further than dimension A output or B input, refer to our Application Engineers.





Distance midway along the shaft extension

Size of unit	No. of Reductions	Dimension A	Dimension B
C03	2 - 3	0.69	0.79
C04	2 - 3	0.91	0.79
C05	2 - 3	1.18	0.79
C06	2 - 5	1.24	0.79
C07	2	1.50	0.98
C07	3 - 5	1.50	0.79
C08	2	2.36	1.18
C08	4 - 5	2.36	0.79
C09	2	2.66	1.57
C09	4 - 5	2.66	0.79
C10	2	3.35	2.17
C10	4	3.35	0.98
C10	5	3.35	0.79

Inputshaft Overhung Loads, Frb (lbs) 1750 rpm - Two Three and Four Stage Units

	C03	C04	C05	C06	C07	C08	C09	C10
2 Stage	300	300	280	280	400	620	700	800
4 Stage	300	300	300	300	300	300	300	490

For output overhung load Fra consult ratings tables.

Axial Thrust Capacities (lbs) No check or calculation is required for axial loads (FA) towards or away from the unit up to 50% of the permissible overhung load. If the axial thrust considerably exceeds these values or if there is a combination of axial thrust loads and overhung loads please contact our Application Engineers.

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lb's)

			n1 = 1750					*n1* = 1160					*n1* = 860				
	in	*i*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*
C0321	8.0	8.591	204	685	84	2.64	625	135	750	84	1.91	625	100	809	84	1.53	625
	11.	11.61	151	744	83	2.14	625	100	818	83	1.56	625	74	874	83	1.24	625
	12.	13.20	133	767	83	1.94	625	88	843	83	1.42	625	65	903	83	1.12	625
	14.	14.95	117	794	82	1.80	625	78	872	82	1.31	625	58	929	82	1.03	625
	16.	16.36	107	736	73	1.71	625	71	813	73	1.25	625	53	874	73	1.00	625
	18.	19.12	92	845	82	1.50	625	61	920	82	1.08	625	45	982	82	0.85	625
	20.	20.61	85	861	81	1.43	625	56	938	81	1.03	625	42	1000	81	0.82	625
	22.	22.11	79	801	72	1.40	625	52	882	72	1.02	625	39	947	72	0.81	625
	25.	25.14	70	828	71	1.29	625	46	912	71	0.94	625	34	974	71	0.74	625
	28.	28.48	61	857	70	1.19	625	41	938	70	0.87	625	30	1000	70	0.68	625
	32.	33.71	52	965	79	1.01	625	34	1050	79	0.73	625	26	1150	79	0.59	625
	36.	36.43	48	913	69	1.01	625	32	1000	69	0.73	625	24	1060	69	0.58	625
	40.	39.26	45	931	68	0.97	625	30	1020	68	0.70	625	22	1090	68	0.56	625
	45.	45.50	38	1040	79	0.80	625	25	1150	79	0.59	625	19	1270	79	0.48	625
	50.	53.31	33	1070	78	0.71	625	22	1210	78	0.54	625	16	1340	78	0.44	625
	56.	56.19	31	1020	68	0.74	625	21	1110	68	0.53	625	15	1190	68	0.42	625
	63.	64.21	27	1050	67	0.68	625	18	1150	67	0.49	625	13	1230	67	0.39	625
	71.	74.55	23	1220	76	0.60	625	16	1350	76	0.44	625	12	1360	76	0.33	625
	80.	82.83	21	1250	76	0.55	625	14	1350	76	0.39	625	10	1360	76	0.29	625
	90.	86.67	20	1180	66	0.57	625	13	1280	66	0.41	625	10	1360	66	0.32	625
	100	101.5	17	1220	65	0.51	625	11	1330	65	0.37	625	8.5	1360	65	0.28	625
	112	114.3	15	1360	75	0.44	625	10	1120	75	0.24	625	7.5	1360	75	0.22	625
	125	129.0	14	1290	75	0.37	625	9.0	1120	75	0.21	625	6.7	1360	75	0.19	625
	140	142.0	12	1310	63	0.41	625	8.2	1360	63	0.28	625	6.1	1360	63	0.21	625
	160	157.8	11	1340	63	0.37	625	7.4	1360	63	0.25	625	5.4	1360	63	0.19	625
	212	217.8	8.0	1360	62	0.28	625	5.3	1360	62	0.19	625	3.9	1360	62	0.14	625
	250	247.5	7.1	1360	61	0.25	625	4.7	1360	61	0.17	625	3.5	1360	61	0.12	625
C0331	100	105.4	17	1329	74	0.47	625	11	1329	74	0.31	625	8.2	1329	74	0.23	625
	118	120.4	15	1360	74	0.42	625	10	1360	74	0.28	625	7.1	1360	74	0.21	625
	132	130.1	13	1230	63	0.42	625	8.9	1230	63	0.28	625	6.6	1230	63	0.20	625
	150	140.2	12	1260	63	0.40	625	8.3	1260	63	0.26	625	6.1	1260	63	0.19	625
	160	162.5	11	1260	73	0.29	625	7.1	1260	73	0.20	625	5.3	1260	73	0.14	625
	180	190.4	9.2	1360	73	0.27	625	6.1	1360	73	0.18	625	4.5	1360	73	0.13	625
	200	200.7	8.7	1360	61	0.31	625	5.8	1360	61	0.20	625	4.3	1360	61	0.15	625
	225	229.3	7.6	1360	61	0.27	625	5.1	1360	61	0.18	625	3.8	1360	61	0.13	625
	265	266.2	6.6	1360	72	0.20	625	4.4	1360	72	0.13	625	3.2	1360	72	0.10	625
	280	295.8	5.9	1360	71	0.18	625	3.9	1360	71	0.12	625	2.9	1360	71	0.09	625
	315	309.5	5.7	1360	59	0.21	625	3.7	1360	59	0.14	625	2.8	1360	59	0.10	625
	360	362.6	4.8	1360	59	0.18	625	3.2	1360	59	0.12	625	2.4	1360	59	0.087	625
	400	408.3	4.3	1360	71	0.13	625	2.8	1360	71	0.086	625	2.1	1360	71	0.064	625
	450	464.1	3.8	1360	71	0.11	625	2.5	1360	71	0.076	625	1.9	1360	71	0.056	625
	500	507.1	3.5	1360	58	0.13	625	2.3	1360	58	0.085	625	1.7	1360	58	0.063	625
	560	563.5	3.1	1360	57	0.12	625	2.1	1360	57	0.078	625	1.5	1360	57	0.058	625
	800	777.8	2.2	1360	57	0.085	625	1.5	1360	57	0.056	625	1.1	1360	57	0.042	625
	900	883.9	2.0	1360	57	0.075	625	1.3	1360	57	0.050	625	1.0	1360	57	0.037	625
C0341	10C	960	1.8	1360	70	0.056	625	1.2	1360	70	0.037	625	0.90	1360	70	0.028	625
	11C	1097	1.6	1360	70	0.049	625	1.1	1360	70	0.033	625	0.78	1360	70	0.024	625
	12C	1220	1.4	1360	70	0.044	625	1.0	1360	70	0.029	625	0.70	1360	70	0.022	625
	14C	1345	1.3	1360	70	0.040	625	0.86	1360	70	0.027	625	0.64	1360	70	0.020	625
	16C	1635	1.1	1360	69	0.033	625	0.71	1360	69	0.022	625	0.53	1360	69	0.016	625
	18C	1735	1.0	1360	70	0.031	625	0.67	1360	70	0.021	625	0.50	1360	70	0.015	625
	20C	1916	0.91	1360	69	0.029	625	0.61	1360	69	0.019	625	0.45	1360	69	0.014	625
	22C	2081	0.84	1360	70	0.026	625	0.56	1360	70	0.017	625	0.41	1360	70	0.013	625
	25C	2426	0.72	1360	70	0.022	625	0.48	1360	70	0.015	625	0.35	1360	70	0.011	625
	28C	2679	0.65	1360	69	0.020	625	0.43	1360	69	0.014	625	0.32	1360	69	0.010	625
	32C	3246	0.54	1360	70	0.017	625	0.36	1360	70	0.011	625	0.26	1360	70	0.008	625
	36C	3585	0.49	1360	69	0.015	625	0.32	1360	69	0.010	625	0.24	1360	69	0.008	625
	40C	4109	0.43	1360	69	0.013	625	0.28	1360	69	0.009	625	0.21	1360	69	0.007	625
	45C	4670	0.37	1360	69	0.012	625	0.25	1360	69	0.008	625	0.18	1360	69	0.006	625
	50C	4978	0.35	1360	68	0.011	625	0.23	1360	68	0.007	625	0.17	1360	68	0.005	625
	56C	5658	0.31	1360	68	0.010	625	0.21	1360	68	0.007	625	0.15	1360	68	0.005	625
	63C	6485	0.27	1360	68	0.009	625	0.18	1360	68	0.006	625	0.13	1360	68	0.004	625
	71C	7370	0.24	1360	68	0.008	625	0.16	1360	68	0.005	625	0.12	1360	68	0.004	625
	80C	7874	0.22	1360	53	0.009	625	0.15	1360	53	0.006	625	0.11	1360	53	0.004	625
	90C	8949	0.20	1360	53	0.008	625	0.13	1360	53	0.005	625	0.10	1360	53	0.004	625
	10K	9482	0.18	1360	53	0.008	625	0.12	1360	53	0.005	625	0.09	1360	53	0.004	625
	11K	10869	0.16	1360	53	0.007	625	0.11	1360	53	0.004	625	0.08	1360	53	0.003	625
	12K	12352	0.14	1360	53	0.006	625	0.09	1360	53	0.004	625	0.07	1360	53	0.003	625
	14K	14038	0.12	1360	53	0.005	625	0.08	1360	53	0.003	625	0.06	1360	53	0.003	625

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lb's)

			n1 = 1750					*n1* = 1160					*n1* = 860				
	in	*i*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*
C0421	8.0	8.591	204	1160	85	4.41	1180	135	1270	85	3.20	1180	100	1360	85	2.54	1180
	11.	11.61	151	1260	84	3.59	1180	100	1380	84	2.60	1180	74	1470	84	2.06	1180
	12.	13.20	133	1300	84	3.26	1180	88	1420	84	2.36	1180	65	1510	84	1.86	1180
	14.	14.95	117	1350	83	3.02	1180	78	1470	83	2.18	1180	58	1570	83	1.73	1180
	16.	16.36	107	1210	75	2.74	1180	71	1340	75	2.01	1180	53	1430	75	1.59	1180
	18.	19.12	92	1430	82	2.53	1180	61	1560	82	1.83	1180	45	1660	82	1.44	1180
	20.	20.61	85	1460	82	2.40	1180	56	1590	82	1.73	1180	42	1640	82	1.32	1180
	22.	22.11	79	1320	74	2.24	1180	52	1450	74	1.63	1180	39	1540	74	1.28	1180
	25.	25.14	70	1360	73	2.06	1180	46	1490	73	1.49	1180	34	1580	73	1.17	1180
	28.	28.48	61	1410	72	1.91	1180	41	1540	72	1.38	1180	30	1640	72	1.09	1180
	32.	33.71	52	1640	80	1.69	1180	34	1780	80	1.21	1180	26	1850	80	0.94	1180
	36.	36.43	48	1500	71	1.61	1180	32	1630	71	1.16	1180	24	1730	71	0.91	1180
	40.	39.26	45	1530	71	1.52	1180	30	1660	71	1.10	1180	22	1770	71	0.87	1180
	45.	45.50	38	1760	79	1.36	1180	25	1850	79	0.95	1180	19	1820	79	0.69	1180
	50.	53.31	33	1820	79	1.20	1180	22	1830	79	0.80	1180	16	1810	79	0.59	1180
	56.	56.19	31	1670	69	1.20	1180	21	1810	69	0.86	1180	15	1930	69	0.68	1180
	63.	64.21	27	1720	68	1.09	1180	18	1880	68	0.79	1180	13	2000	68	0.63	1180
	71.	74.55	23	1840	77	0.89	1180	16	1810	77	0.58	1180	12	1800	77	0.43	1180
	80.	82.83	21	1710	77	0.74	1180	14	1670	77	0.48	1180	10	1660	77	0.36	1180
	90.	86.67	20	1930	67	0.92	1180	13	2110	67	0.67	1180	10	2240	67	0.53	1180
	100	101.5	17	1990	66	0.82	1180	11	2170	66	0.60	1180	8.5	2320	66	0.47	1180
	112	114.3	15	1500	76	0.48	1180	10	1140	76	0.24	1180	7.5	1130	76	0.18	1180
	125	129.0	14	1290	76	0.37	1180	9.0	1120	76	0.21	1180	6.7	1120	76	0.16	1180
	140	142.0	12	2140	65	0.64	1180	8.2	2820	65	0.56	1180	6.1	2600	65	0.38	1180
	160	157.8	11	2190	64	0.60	1180	7.4	2640	64	0.48	1180	5.4	2620	64	0.35	1180
	212	217.8	8.0	2370	63	0.48	1180	5.3	1800	63	0.24	1180	3.9	1770	63	0.18	1180
	250	247.5	7.1	2050	63	0.37	1180	4.7	1750	63	0.21	1180	3.5	1730	63	0.15	1180
C0431	100	105.4	17	1820	76	0.63	1180	11	1820	76	0.42	1180	8.2	1820	76	0.31	1180
	118	120.4	15	1810	75	0.56	1180	10	1810	75	0.37	1180	7.1	1810	75	0.27	1180
	132	130.1	13	1990	64	0.66	1180	8.9	1990	64	0.44	1180	6.6	1990	64	0.33	1180
	150	140.2	12	2040	64	0.63	1180	8.3	2040	64	0.42	1180	6.1	2040	64	0.31	1180
	160	162.5	11	1790	75	0.41	1180	7.1	1790	75	0.27	1180	5.3	1790	75	0.20	1180
	180	190.4	9.2	1780	74	0.35	1180	6.1	1780	74	0.23	1180	4.5	1780	74	0.17	1180
	200	200.7	8.7	2290	63	0.50	1180	5.8	2290	63	0.33	1180	4.3	2290	63	0.25	1180
	225	229.3	7.6	2400	62	0.47	1180	5.1	2400	62	0.31	1180	3.8	2400	62	0.23	1180
	265	266.2	6.6	1760	73	0.25	1180	4.4	1760	73	0.17	1180	3.2	1760	73	0.12	1180
	280	295.8	5.9	1750	73	0.23	1180	3.9	1750	73	0.15	1180	2.9	1750	73	0.11	1180
	315	309.5	5.7	2650	61	0.39	1180	3.7	2650	61	0.26	1180	2.8	2650	61	0.19	1180
	360	362.6	4.8	2790	61	0.35	1180	3.2	2790	61	0.23	1180	2.4	2790	61	0.17	1180
	400	408.3	4.3	1740	72	0.16	1180	2.8	1740	72	0.11	1180	2.1	1740	72	0.08	1180
	450	464.1	3.8	1730	72	0.14	1180	2.5	1730	72	0.10	1180	1.9	1730	72	0.07	1180
	500	507.1	3.5	2740	59	0.25	1180	2.3	2740	59	0.17	1180	1.7	2740	59	0.12	1180
	560	563.5	3.1	2730	59	0.23	1180	2.1	2730	59	0.15	1180	1.5	2730	59	0.11	1180
	800	777.8	2.2	2690	58	0.17	1180	1.5	2690	58	0.11	1180	1.1	2690	58	0.081	1180
	900	883.9	2.0	2670	58	0.14	1180	1.3	2670	58	0.10	1180	1.0	2670	58	0.071	1180
C0441	10C	960	1.8	1820	71	0.074	1180	1.2	1820	71	0.049	1180	0.90	1820	71	0.036	1180
	11C	1097	1.6	1820	71	0.065	1180	1.1	1820	71	0.043	1180	0.78	1820	71	0.032	1180
	12C	1220	1.4	1820	71	0.058	1180	1.0	1820	71	0.039	1180	0.70	1820	71	0.029	1180
	14C	1345	1.3	1820	70	0.054	1180	0.86	1820	70	0.036	1180	0.64	1820	70	0.026	1180
	16C	1635	1.1	1700	70	0.041	1180	0.71	1700	70	0.027	1180	0.53	1700	70	0.020	1180
	18C	1735	1.0	1820	70	0.042	1180	0.67	1820	70	0.028	1180	0.50	1820	70	0.020	1180
	20C	1916	0.91	1700	70	0.035	1180	0.61	1700	70	0.023	1180	0.45	1700	70	0.017	1180
	22C	2081	0.84	1820	70	0.035	1180	0.56	1820	70	0.023	1180	0.41	1820	70	0.017	1180
	25C	2426	0.72	1820	70	0.030	1180	0.48	1820	70	0.020	1180	0.35	1820	70	0.015	1180
	28C	2679	0.65	1700	70	0.025	1180	0.43	1700	70	0.017	1180	0.32	1700	70	0.012	1180
	32C	3246	0.54	1820	70	0.022	1180	0.36	1820	70	0.015	1180	0.26	1820	70	0.011	1180
	36C	3585	0.49	1700	70	0.019	1180	0.32	1700	70	0.012	1180	0.24	1700	70	0.009	1180
	40C	4109	0.43	1700	70	0.016	1180	0.28	1700	70	0.011	1180	0.21	1700	70	0.008	1180
	45C	4670	0.37	1700	70	0.014	1180	0.25	1700	70	0.010	1180	0.18	1700	70	0.007	1180
	50C	4978	0.35	2400	69	0.019	1180	0.23	2400	69	0.013	1180	0.17	2400	69	0.010	1180
	56C	5658	0.31	2400	69	0.017	1180	0.21	2400	69	0.011	1180	0.15	2400	69	0.008	1180
	63C	6485	0.27	2400	69	0.015	1180	0.18	2400	69	0.010	1180	0.13	2400	69	0.007	1180
	71C	7370	0.24	2400	69	0.013	1180	0.16	2400	69	0.009	1180	0.12	2400	69	0.006	1180
	80C	7874	0.22	2400	54	0.016	1180	0.15	2400	54	0.010	1180	0.11	2400	54	0.008	1180
	90C	8949	0.20	2400	54	0.014	1180	0.13	2400	54	0.009	1180	0.10	2400	54	0.007	1180
	10K	9482	0.18	1680	53	0.009	1180	0.12	1680	53	0.006	1180	0.09	1680	53	0.005	1180
	11K	10869	0.16	1680	53	0.008	1180	0.11	1680	53	0.005	1180	0.08	1680	53	0.004	1180
	12K	12352	0.14	1680	53	0.007	1180	0.09	1680	53	0.005	1180	0.07	1680	53	0.004	1180
	14K	14038	0.12	1620	53	0.006	1180	0.08	1620	53	0.004	1180	0.06	1620	53	0.003	1180

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lb's)

			n1 = 1750					*n1* = 1160					*n1* = 860				
	in	*i*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*
C0521	8.0	8.31	211	1710	88	6.49	1650	140	2020	88	5.08	1650	103	2260	88	4.22	1650
	11.	11.66	150	1960	86	5.43	1650	99	2290	86	4.20	1650	74	2550	86	3.47	1650
	12.	12.85	136	2040	85	5.19	1650	90	2370	85	3.99	1650	67	2640	85	3.30	1650
	14.	14.59	120	2140	85	4.79	1650	80	2490	85	3.70	1650	59	2750	85	3.03	1650
	16.	16.09	109	2710	78	6.00	1650	72	2970	78	4.36	1650	53	3410	78	3.71	1650
	18.	18.53	94	2340	84	4.17	1650	63	2700	84	3.19	1650	46	2980	84	2.61	1650
	20.	21.05	83	2450	84	3.85	1650	55	2810	84	2.92	1650	41	3110	84	2.40	1650
	22.	22.56	78	2960	77	4.73	1650	51	3200	77	3.39	1650	38	3360	77	2.64	1650
	25.	24.86	70	3030	76	4.45	1650	47	3250	76	3.17	1650	35	3430	76	2.48	1650
	28.	28.24	62	3110	75	4.08	1650	41	3320	75	2.89	1650	30	3520	75	2.27	1650
	32.	32.55	54	2810	82	2.92	1650	36	3240	82	2.23	1650	26	3530	82	1.80	1650
	36.	35.86	49	3280	74	3.43	1650	32	3490	74	2.42	1650	24	3690	74	1.90	1650
	40.	40.74	43	3350	73	3.13	1650	28	3580	73	2.22	1650	21	3800	73	1.74	1650
	45.	46.84	37	3050	81	2.23	1650	25	3600	81	1.75	1650	18	3530	81	1.27	1650
	50.	50.93	34	3100	81	2.09	1650	23	3610	81	1.61	1650	17	3580	81	1.18	1650
	56.	55.45	32	3570	72	2.48	1650	21	3830	72	1.77	1650	16	3530	72	1.21	1650
	63.	63.00	28	3670	71	2.28	1650	18	3940	71	1.62	1650	14	4170	71	1.27	1650
	71.	73.37	24	3190	79	1.53	1650	16	3570	79	1.13	1650	12	3570	79	0.84	1650
	80.	82.67	21	3220	79	1.37	1650	14	3370	79	0.95	1650	10	3440	79	0.72	1650
	90.	90.67	19	4110	70	1.80	1650	13	4420	70	1.28	1650	9.5	4670	70	1.00	1650
	100	98.57	18	4180	69	1.71	1650	12	4480	69	1.21	1650	8.7	4740	69	0.95	1650
	112	109.1	16	3050	78	1.00	1650	11	2600	78	0.56	1650	7.9	2660	78	0.43	1650
	125	124.0	14	2630	78	0.76	1650	9.4	2300	78	0.44	1650	6.9	2350	78	0.33	1650
	140	142.0	12	4270	67	1.25	1650	8.2	4270	67	0.83	1650	6.1	4270	67	0.61	1650
	160	160.0	11	4270	67	1.11	1650	7.3	4270	67	0.73	1650	5.4	4270	67	0.54	1650
	212	211.1	8.3	4270	66	0.85	1650	5.5	4200	66	0.55	1650	4.1	4260	66	0.42	1650
	250	240.0	7.3	4270	65	0.76	1650	4.8	3710	65	0.44	1650	3.6	3760	65	0.33	1650
C0531	100	103.9	17	3570	78	1.22	1650	11	3570	78	0.81	1650	8.3	3570	78	0.60	1650
	118	118.7	15	3560	77	1.08	1650	10	3560	77	0.72	1650	7.2	3560	77	0.53	1650
	132	130.4	13	4130	67	1.31	1650	8.9	4130	67	0.87	1650	6.6	4130	67	0.65	1650
	150	140.5	12	4220	66	1.26	1650	8.3	4220	66	0.84	1650	6.1	4220	66	0.62	1650
	160	160.3	11	3520	77	0.79	1650	7.2	3520	77	0.52	1650	5.4	3520	77	0.39	1650
	180	187.8	9.3	3500	76	0.68	1650	6.2	3500	76	0.45	1650	4.6	3500	76	0.33	1650
	200	201.1	8.7	4700	65	1.00	1650	5.8	4700	65	0.66	1650	4.3	4700	65	0.49	1650
	225	229.8	7.6	4900	65	0.91	1650	5.0	4900	65	0.60	1650	3.7	4900	65	0.45	1650
	265	262.6	6.7	3460	75	0.49	1650	4.4	3460	75	0.32	1650	3.3	3460	75	0.24	1650
	280	291.8	6.0	3450	75	0.44	1650	4.0	3450	75	0.29	1650	2.9	3450	75	0.22	1650
	315	310.2	5.6	5170	63	0.73	1650	3.7	5170	63	0.49	1650	2.8	5170	63	0.36	1650
	360	363.4	4.8	5260	63	0.64	1650	3.2	5260	63	0.42	1650	2.4	5260	63	0.31	1650
	400	402.7	4.3	3420	74	0.32	1650	2.9	3420	74	0.21	1650	2.1	3420	74	0.16	1650
	450	457.7	3.8	3410	74	0.28	1650	2.5	3410	74	0.19	1650	1.9	3410	74	0.14	1650
	500	508.2	3.4	4270	62	0.38	1650	2.3	4270	62	0.25	1650	1.7	4270	62	0.18	1650
	560	564.7	3.1	4270	61	0.34	1650	2.1	4270	61	0.23	1650	1.5	4270	61	0.17	1650
	800	779.4	2.2	4270	61	0.25	1650	1.5	4270	61	0.17	1650	1.1	4270	61	0.12	1650
	900	885.8	2.0	4270	60	0.22	1650	1.3	4270	60	0.15	1650	1.0	4270	60	0.11	1650
C0541	10C	945	1.9	3600	73	0.14	1650	1.2	3600	73	0.10	1650	0.91	3600	73	0.071	1650
	11C	1080	1.6	3600	73	0.13	1650	1.1	3600	73	0.084	1650	0.80	3600	73	0.062	1650
	12C	1201	1.5	3600	73	0.11	1650	1.0	3600	73	0.076	1650	0.72	3600	73	0.056	1650
	14C	1324	1.3	3600	73	0.10	1650	0.88	3600	73	0.069	1650	0.65	3600	73	0.051	1650
	16C	1642	1.1	3570	72	0.084	1650	0.71	3570	72	0.056	1650	0.52	3570	72	0.041	1650
	18C	1707	1.0	3600	73	0.080	1650	0.68	3600	73	0.053	1650	0.50	3600	73	0.039	1650
	20C	1924	0.91	3570	72	0.072	1650	0.60	3570	72	0.047	1650	0.45	3570	72	0.035	1650
	22C	2048	0.85	3600	73	0.067	1650	0.57	3600	73	0.044	1650	0.42	3600	73	0.033	1650
	25C	2387	0.73	3600	73	0.057	1650	0.49	3600	73	0.038	1650	0.36	3600	73	0.028	1650
	28C	2690	0.65	3570	72	0.051	1650	0.43	3570	72	0.034	1650	0.32	3570	72	0.025	1650
	32C	3195	0.55	3600	73	0.043	1650	0.36	3600	73	0.028	1650	0.27	3600	73	0.021	1650
	36C	3599	0.49	3570	72	0.038	1650	0.32	3570	72	0.025	1650	0.24	3570	72	0.019	1650
	40C	4126	0.42	3570	72	0.033	1650	0.28	3570	72	0.022	1650	0.21	3570	72	0.016	1650
	45C	4689	0.37	3570	72	0.029	1650	0.25	3570	72	0.019	1650	0.18	3570	72	0.014	1650
	50C	4778	0.37	3480	71	0.028	1650	0.24	3480	71	0.019	1650	0.18	3480	71	0.014	1650
	56C	5399	0.32	3410	71	0.025	1650	0.21	3410	71	0.016	1650	0.16	3410	71	0.012	1650
	63C	6189	0.28	3410	71	0.022	1650	0.19	3410	71	0.014	1650	0.14	3410	71	0.011	1650
	71C	7033	0.25	4270	71	0.024	1650	0.16	4270	71	0.016	1650	0.12	4270	71	0.012	1650
	80C	7985	0.22	4270	55	0.027	1650	0.15	4270	55	0.018	1650	0.11	4270	55	0.013	1650
	90C	9075	0.19	4270	55	0.024	1650	0.13	4270	55	0.016	1650	0.095	4270	55	0.012	1650
	10K	9192	0.19	4270	54	0.024	1650	0.13	4270	54	0.016	1650	0.094	4270	54	0.012	1650
	11K	10536	0.17	4270	54	0.021	1650	0.11	4270	54	0.014	1650	0.082	4270	54	0.010	1650
	12K	11974	0.15	4270	54	0.018	1650	0.10	4270	54	0.012	1650	0.072	4270	54	0.009	1650
	14K	13613	0.13	4270	54	0.016	1650	0.09	4270	54	0.011	1650	0.063	4270	54	0.008	1650

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lb's)

			n1 = 1750					*n1* = 1160					*n1* = 860				
	in	*i*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*
C0621	8.0	8.2	213	3040	90	11.39	2580	141	3600	90	8.94	2580	104	4040	90	7.44	2580
	11.	11.6	151	3510	89	9.46	2580	100	4120	89	7.36	2580	74	4580	89	6.07	2580
	12.	13.0	135	3670	89	8.83	2580	89	4290	89	6.84	2580	66	4770	89	5.64	2580
	14.	14.6	120	3840	89	8.23	2580	80	4470	89	6.35	2580	59	4920	89	5.18	2580
	16.	15.9	110	4260	82	9.06	2580	73	4960	82	6.99	2580	54	5280	82	5.52	2580
	18.	18.5	95	4200	88	7.17	2580	63	4870	88	5.51	2580	47	5390	88	4.52	2580
	20.	21.0	83	4400	88	6.62	2580	55	5080	88	5.07	2580	41	5610	88	4.15	2580
	22.	22.4	78	4850	81	7.42	2580	52	5360	81	5.44	2580	38	5610	81	4.22	2580
	25.	25.1	70	5060	80	6.99	2580	46	5480	80	5.02	2580	34	5750	80	3.91	2580
	28.	28.2	62	5200	80	6.40	2580	41	5580	80	4.56	2580	31	5890	80	3.57	2580
	32.	33.5	52	5180	87	4.94	2580	35	5920	87	3.74	2580	26	6480	87	3.04	2580
	36.	35.8	49	5490	78	5.46	2580	32	5860	78	3.86	2580	24	6200	78	3.03	2580
	40.	40.6	43	5610	78	4.92	2580	29	6020	78	3.50	2580	21	6360	78	2.74	2580
	45.	47.3	37	5810	86	3.96	2580	25	6570	86	2.97	2580	18	6780	86	2.27	2580
	50.	50.5	35	5930	86	3.79	2580	23	6690	86	2.83	2580	17	6780	86	2.13	2580
	56.	55.7	31	5960	76	3.91	2580	21	6440	76	2.80	2580	15	6780	76	2.19	2580
	63.	64.8	27	6160	75	3.52	2580	18	6660	75	2.52	2580	13	6780	75	1.90	2580
	71.	73.9	24	6370	84	2.85	2580	16	6780	84	2.01	2580	12	6780	84	1.49	2580
	80.	80.9	22	6430	84	2.63	2580	14	6780	84	1.84	2580	11	6780	84	1.36	2580
	90.	91.6	19	6880	74	2.82	2580	13	6780	74	1.84	2580	9.4	6780	74	1.37	2580
	100	97.8	18	6970	73	2.71	2580	12	6780	73	1.75	2580	8.8	6780	73	1.30	2580
	112	110.6	16	6660	83	2.01	2580	10	6320	83	1.27	2580	7.8	6440	83	0.96	2580
	125	124.0	14	4270	82	1.17	2580	9.4	4660	82	0.84	2580	6.9	4610	82	0.62	2580
	140	143.1	12	6780	71	1.85	2580	8.1	6780	71	1.23	2580	6.0	6780	71	0.91	2580
	160	156.7	11	6780	71	1.69	2580	7.4	6780	71	1.12	2580	5.5	6780	71	0.83	2580
	212	214.0	8.2	6780	69	1.27	2580	5.4	6780	69	0.85	2580	4.0	6780	69	0.63	2580
	250	240.0	7.3	6780	69	1.14	2580	4.8	6780	69	0.75	2580	3.6	6780	69	0.56	2580
C0631	100	103.9	17	6780	82	2.21	2580	11	6780	82	1.46	2580	8.3	6780	82	1.09	2580
	118	118.0	15	6780	82	1.95	2580	10	6780	82	1.29	2580	7.3	6780	82	0.96	2580
	132	130.0	13	6780	71	2.04	2580	8.9	6780	71	1.35	2580	6.6	6780	71	1.00	2580
	150	147.7	12	6780	70	1.82	2580	7.9	6780	70	1.21	2580	5.8	6780	70	0.89	2580
	160	169.8	10	6780	81	1.37	2580	6.8	6780	81	0.91	2580	5.1	6780	81	0.67	2580
	180	184.6	9.5	6780	81	1.26	2580	6.3	6780	81	0.83	2580	4.7	6780	81	0.62	2580
	200	201.0	8.7	6780	69	1.36	2580	5.8	6780	69	0.90	2580	4.3	6780	69	0.67	2580
	225	228.4	7.7	6780	68	1.21	2580	5.1	6780	68	0.80	2580	3.8	6780	68	0.60	2580
	265	266.0	6.6	6780	80	0.88	2580	4.4	6780	80	0.59	2580	3.2	6780	80	0.43	2580
	280	299.7	5.8	6780	79	0.80	2580	3.9	6780	79	0.53	2580	2.9	6780	79	0.39	2580
	315	328.7	5.3	6780	67	0.85	2580	3.5	6780	67	0.57	2580	2.6	6780	67	0.42	2580
	360	357.3	4.9	6780	66	0.80	2580	3.2	6780	66	0.53	2580	2.4	6780	66	0.39	2580
	400	395.4	4.4	6780	79	0.60	2580	2.9	6780	79	0.40	2580	2.2	6780	79	0.30	2580
	450	449.5	3.9	6780	78	0.54	2580	2.6	6780	78	0.36	2580	1.9	6780	78	0.26	2580
	500	514.8	3.4	6780	65	0.56	2580	2.3	6780	65	0.37	2580	1.7	6780	65	0.28	2580
	560	580.0	3.0	6780	64	0.51	2580	2.0	6780	64	0.34	2580	1.5	6780	64	0.25	2580
	800	765.3	2.3	6780	64	0.38	2580	1.5	6780	64	0.25	2580	1.1	6780	64	0.19	2580
	900	870.0	2.0	6780	63	0.34	2580	1.3	6780	63	0.23	2580	1.0	6780	63	0.17	2580
C0641	10C	1022	1.71	6780	77	0.24	2580	1.1	6780	77	0.16	2580	0.84	6780	77	0.12	2580
	11C	1111	1.58	6780	77	0.22	2580	1.0	6780	77	0.15	2580	0.77	6780	77	0.11	2580
	12C	1300	1.35	6780	77	0.19	2580	0.89	6780	77	0.12	2580	0.66	6780	77	0.092	2580
	14C	1495	1.17	6780	77	0.16	2580	0.78	6780	77	0.11	2580	0.58	6780	77	0.080	2580
	16C	1625	1.08	6780	77	0.15	2580	0.71	6780	77	0.10	2580	0.53	6780	77	0.074	2580
	18C	1780	0.98	6780	76	0.14	2580	0.65	6780	76	0.09	2580	0.48	6780	76	0.068	2580
	20C	1951	0.90	6780	77	0.13	2580	0.59	6780	77	0.08	2580	0.44	6780	77	0.062	2580
	22C	2342	0.75	6780	77	0.10	2580	0.50	6780	77	0.07	2580	0.37	6780	77	0.051	2580
	25C	2638	0.66	6780	77	0.093	2580	0.44	6780	77	0.06	2580	0.33	6780	77	0.046	2580
	28C	2889	0.61	6780	76	0.086	2580	0.40	6780	76	0.06	2580	0.30	6780	76	0.042	2580
	32C	3067	0.57	6780	77	0.080	2580	0.38	6780	77	0.05	2580	0.28	6780	77	0.039	2580
	36C	3359	0.52	6780	76	0.074	2580	0.35	6780	76	0.05	2580	0.26	6780	76	0.036	2580
	40C	3812	0.46	6780	76	0.065	2580	0.30	6780	76	0.04	2580	0.23	6780	76	0.032	2580
	45C	4334	0.40	6780	76	0.057	2580	0.27	6780	76	0.04	2580	0.20	6780	76	0.028	2580
	50C	5145	0.34	6780	76	0.048	2580	0.23	6780	76	0.03	2580	0.17	6780	76	0.024	2580
	56C	5920	0.30	6780	76	0.042	2580	0.20	6780	76	0.03	2580	0.15	6780	76	0.021	2580
	63C	6639	0.26	6780	76	0.037	2580	0.17	6780	76	0.02	2580	0.13	6780	76	0.018	2580
	71C	7378	0.24	6780	58	0.044	2580	0.16	6780	58	0.03	2580	0.12	6780	58	0.022	2580
	80C	8388	0.21	6780	58	0.039	2580	0.14	6780	58	0.03	2580	0.10	6780	58	0.019	2580
	90C	8879	0.20	6780	57	0.037	2580	0.13	6780	57	0.02	2580	0.10	6780	57	0.018	2580
	10K	10078	0.17	6780	57	0.033	2580	0.12	6780	57	0.02	2580	0.085	6780	57	0.016	2580
	11K	11458	0.15	6780	57	0.029	2580	0.10	6780	57	0.02	2580	0.075	6780	57	0.014	2580
	12K	12849	0.14	6780	56	0.026	2580	0.090	6780	56	0.02	2580	0.067	6780	56	0.013	2580

C

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lb's)

			n1 = 1750					*n1* = 1160					*n1* = 860				
	in	*i*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*
C0721	8.0	7.901	221	5420	92	20.70	4650	147	5430	92	13.75	6050	109	5460	92	10.25	6050
	11.	10.94	160	6020	92	16.61	4970	106	7500	92	13.72	6050	79	7080	92	9.60	6050
	12.	12.29	142	6310	92	15.50	5110	94	8250	92	13.43	6050	70	7400	92	8.93	6050
	14.	13.52	129	6550	92	14.62	5265	86	8530	92	12.62	6050	64	7660	92	8.40	6050
	16.	15.80	111	6020	88	12.02	5740	73	7250	88	9.60	6050	54	6730	88	6.60	6050
	18.	17.66	99	7260	91	12.54	6050	66	9380	91	10.74	6050	49	8430	91	7.16	6050
	20.	20.07	87	7620	91	11.58	6050	58	9740	91	9.82	6050	43	8820	91	6.59	6050
	22.	21.89	80	6580	88	9.48	6050	53	7750	88	7.40	6050	39	7290	88	5.16	6050
	25.	24.59	71	6760	87	8.77	6050	47	7970	87	6.86	6050	35	7490	87	4.78	6050
	28.	27.03	65	6950	87	8.21	6050	43	8130	87	6.36	6050	32	7650	87	4.44	6050
	32.	30.81	57	6880	90	6.89	6050	38	11200	90	7.43	6050	28	10200	90	5.02	6050
	36.	35.31	50	7410	86	6.78	6050	33	8530	86	5.17	6050	24	8070	86	3.63	6050
	40.	40.15	44	7620	86	6.13	6050	29	8730	86	4.65	6050	21	8280	86	3.27	6050
	45.	44.13	40	7280	89	5.15	6050	26	11800	89	5.53	6050	19	11400	89	3.96	6050
	50.	49.90	35	7350	88	4.65	6050	23	7250	88	3.04	6050	17	6690	88	2.08	6050
	56.	53.62	33	8090	85	4.93	6050	22	6820	85	2.75	6050	16	6440	85	1.93	6050
	63.	61.62	28	8300	84	4.45	6050	19	7050	84	2.51	6050	14	6660	84	1.76	6050
	71.	69.00	25	7750	87	3.58	6050	17	7760	87	2.38	6050	12	7400	87	1.68	6050
	80.	75.56	23	7820	87	3.30	6050	15	7740	87	2.17	6050	11	7560	87	1.57	6050
	90.	88.26	20	8840	83	3.35	6050	13	7820	83	1.96	6050	10	7430	83	1.38	6050
	100	99.79	18	9010	82	3.06	6050	12	7970	82	1.79	6050	8.6	7530	82	1.26	6050
	112	104.3	17	8110	86	2.51	6050	11	6440	86	1.32	6050	8.2	6320	86	0.96	6050
	125	115.9	15	8080	85	2.28	6050	10	4610	85	0.86	6050	7.4	4660	85	0.65	6050
	140	138.0	13	9550	81	2.37	6050	8.4	8570	81	1.41	6050	6.2	8090	81	0.99	6050
	160	151.1	12	9720	81	2.21	6050	7.7	8570	81	1.29	6050	5.7	8230	81	0.92	6050
	212	208.6	8.4	10300	79	1.74	6050	5.6	8570	79	0.96	6050	4.1	8570	79	0.71	6050
	250	231.8	7.5	10500	79	1.59	6050	5.0	7490	79	0.75	6050	3.7	7490	79	0.56	6050
C0731	100	97.33	18	11860	86	3.93	6050	12	11860	86	2.61	6050	8.8	11860	86	1.93	6050
	118	113.2	15	11860	85	3.42	6050	10	11860	85	2.27	6050	7.6	11860	85	1.68	6050
	132	125.0	14	9370	80	2.60	6050	9.3	9370	80	1.72	6050	6.9	9370	80	1.28	6050
	150	141.7	12	9600	79	2.38	6050	8.2	9600	79	1.58	6050	6.1	9600	79	1.17	6050
	160	160.0	11	11860	84	2.45	6050	7.3	11860	84	1.62	6050	5.4	11860	84	1.20	6050
	180	170.8	10	10200	84	1.97	6050	6.8	10200	84	1.31	6050	5.0	10200	84	0.97	6050
	200	194.7	9.0	10400	79	1.88	6050	6.0	10400	79	1.24	6050	4.4	10400	79	0.92	6050
	225	226.4	7.7	11860	79	1.84	6050	5.1	11860	79	1.22	6050	3.8	11860	79	0.90	6050
	265	249.9	7.0	11860	83	1.59	6050	4.6	11860	83	1.05	6050	3.4	11860	83	0.78	6050
	280	273.7	6.4	11860	83	1.45	6050	4.2	11860	83	0.96	6050	3.1	11860	83	0.71	6050
	315	320.0	5.5	11860	77	1.34	6050	3.6	11860	77	0.89	6050	2.7	11860	77	0.66	6050
	360	341.6	5.1	11860	77	1.25	6050	3.4	11860	77	0.83	6050	2.5	11860	77	0.62	6050
	400	373.8	4.7	11860	82	1.07	6050	3.1	11860	82	0.71	6050	2.3	11860	82	0.53	6050
	450	419.2	4.2	11860	82	0.96	6050	2.8	11860	82	0.64	6050	2.1	11860	82	0.47	6050
	500	499.9	3.5	11200	76	0.82	6050	2.3	11200	76	0.54	6050	1.7	11200	76	0.40	6050
	560	547.4	3.2	11200	76	0.75	6050	2.1	11200	76	0.50	6050	1.6	11200	76	0.37	6050
	800	747.7	2.3	11200	75	0.55	6050	1.6	11200	75	0.37	6050	1.2	11200	75	0.27	6050
	900	838.5	2.1	11300	75	0.50	6050	1.4	11300	75	0.33	6050	1.0	11300	75	0.25	6050
C0741	10C	1009	1.7	11860	81	0.40	6050	1.1	11860	81	0.27	6050	0.85	11860	81	0.20	6050
	11C	1097	1.6	11860	81	0.37	6050	1.1	11860	81	0.25	6050	0.78	11860	81	0.18	6050
	12C	1213	1.4	11860	80	0.34	6050	1.0	11860	80	0.22	6050	0.71	11860	80	0.17	6050
	14C	1396	1.3	11860	80	0.29	6050	0.83	11860	80	0.20	6050	0.62	11860	80	0.14	6050
	16C	1517	1.2	11860	80	0.27	6050	0.76	11860	80	0.18	6050	0.57	11860	80	0.13	6050
	18C	1662	1.1	11860	80	0.25	6050	0.70	11860	80	0.16	6050	0.52	11860	80	0.12	6050
	20C	1995	0.88	11860	80	0.21	6050	0.58	11860	80	0.14	6050	0.43	11860	80	0.10	6050
	22C	2186	0.80	11860	80	0.19	6050	0.53	11860	80	0.12	6050	0.39	11860	80	0.093	6050
	25C	2463	0.71	11860	80	0.17	6050	0.47	11860	80	0.11	6050	0.35	11860	80	0.082	6050
	28C	2863	0.61	11860	80	0.14	6050	0.41	11860	80	0.10	6050	0.30	11860	80	0.071	6050
	32C	3135	0.56	11860	80	0.13	6050	0.37	11860	80	0.087	6050	0.27	11860	80	0.065	6050
	36C	3559	0.49	11860	80	0.12	6050	0.33	11860	80	0.077	6050	0.24	11860	80	0.057	6050
	40C	4046	0.43	11860	80	0.10	6050	0.29	11860	80	0.067	6050	0.21	11860	80	0.050	6050
	45C	4329	0.40	11860	80	0.10	6050	0.27	11860	80	0.063	6050	0.20	11860	80	0.047	6050
	50C	4913	0.36	11860	78	0.086	6050	0.24	11860	78	0.057	6050	0.18	11860	78	0.042	6050
	56C	5585	0.31	11860	78	0.076	6050	0.21	11860	78	0.050	6050	0.15	11860	78	0.037	6050
	63C	6206	0.28	11860	78	0.068	6050	0.19	11860	78	0.045	6050	0.14	11860	78	0.033	6050
	71C	7117	0.25	11860	72	0.064	6050	0.16	11860	72	0.043	6050	0.12	11860	72	0.032	6050
	80C	8091	0.22	11860	72	0.057	6050	0.14	11860	72	0.037	6050	0.11	11860	72	0.028	6050
	90C	8657	0.20	11860	71	0.054	6050	0.13	11860	71	0.036	6050	0.10	11860	71	0.026	6050
	10K	9626	0.18	11860	71	0.048	6050	0.12	11860	71	0.032	6050	0.09	11860	71	0.024	6050
	11K	11171	0.16	11860	71	0.042	6050	0.10	11860	71	0.028	6050	0.08	11860	71	0.020	6050
	12K	12412	0.14	11860	71	0.037	6050	0.09	11860	71	0.025	6050	0.07	11860	71	0.018	6050

C

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lb's)

			n1 = 1750					*n1* = 1160					*n1* = 860				
	in	*i*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*
C0821	8.0	7.770	225	9300	92	36.12	7200	149	8640	92	22.25	9100	111	8600	92	16.42	9380
	11.	11.01	159	10800	92	29.61	7300	105	12200	92	22.17	9380	78	12200	92	16.44	9380
	12.	12.24	143	11300	93	27.56	7450	95	13300	93	21.50	9380	70	13500	93	16.18	9380
	14.	13.61	129	11800	92	26.17	7650	85	13800	92	20.29	9380	63	14800	92	16.13	9380
	16.	15.54	113	11400	89	22.89	8000	75	13400	89	17.83	9380	55	14300	89	14.11	9380
	18.	17.60	99	13000	91	22.54	8100	66	15100	91	17.35	9380	49	16200	91	13.80	9380
	20.	19.76	89	13600	92	20.77	9380	59	15800	92	16.00	9380	44	16900	92	12.69	9380
	22.	22.03	79	13120	89	18.58	9380	53	15000	89	14.08	9380	39	15800	89	11.00	9380
	25.	24.47	72	13600	88	17.54	9380	47	15400	88	13.16	9380	35	16200	88	10.27	9380
	28.	27.22	64	14100	88	16.34	9380	43	15700	88	12.06	9380	32	16500	88	9.40	9380
	32.	31.78	55	16200	90	15.73	9380	37	18600	90	11.97	9380	27	19700	90	9.40	9380
	36.	35.20	50	15300	87	13.87	9380	33	16600	87	9.98	9380	24	17300	87	7.71	9380
	40.	39.51	44	15700	87	12.68	9380	29	17000	87	9.10	9380	22	17600	87	6.99	9380
	45.	43.64	40	18000	90	12.73	9380	27	20500	90	9.61	9380	20	21800	90	7.57	9380
	50.	49.26	36	18800	89	11.91	9380	24	21300	89	8.94	9380	17	22500	89	7.00	9380
	56.	54.60	32	16700	86	9.88	9380	21	18000	86	7.06	9380	16	18600	86	5.41	9380
	63.	63.56	28	17200	85	8.84	9380	18	18500	85	6.30	9380	14	19000	85	4.80	9380
	71.	69.64	25	20900	88	9.47	9380	17	23000	88	6.91	9380	12	23000	88	5.12	9380
	80.	76.50	23	21500	88	8.87	9380	15	23000	88	6.29	9380	11	23000	88	4.66	9380
	90.	87.29	20	18200	84	6.89	9380	13	19600	84	4.92	9380	10	20300	84	3.78	9380
	100	98.53	18	18600	83	6.32	9380	12	20000	83	4.50	9380	8.7	20700	83	3.45	9380
	112	102.4	17	23000	87	7.17	9380	11	23000	87	4.75	9380	8.4	23000	87	3.52	9380
	125	117.9	15	21700	86	5.94	9380	10	23000	86	4.18	9380	7.3	23000	86	3.10	9380
	140	139.3	13	19800	82	4.81	9380	8.3	21300	82	3.43	9380	6.2	21900	82	2.62	9380
	160	153.0	11	20100	82	4.45	9380	7.6	21600	82	3.17	9380	5.6	22300	82	2.43	9380
	212	204.8	8.5	21200	81	3.55	9380	5.7	22600	81	2.51	9380	4.2	23000	81	1.89	9380
	250	235.8	7.4	21700	80	3.19	9380	4.9	23000	80	2.24	9380	3.6	23000	80	1.66	9380
C0841	160	156	11	23000	81	5.05	9380	7.4	23000	81	3.35	9380	5.5	23000	81	2.48	9380
	180	177	10	23000	81	4.45	9380	6.6	23000	81	2.95	9380	4.9	23000	81	2.19	9380
	212	220	8.0	23000	81	3.58	9380	5.3	23000	81	2.38	9380	3.9	23000	81	1.76	9380
	250	248	7.1	23000	81	3.18	9380	4.7	23000	81	2.11	9380	3.5	23000	81	1.56	9380
	280	277	6.3	23000	81	2.85	9380	4.2	23000	81	1.89	9380	3.1	23000	81	1.40	9380
	320	312	5.6	23000	81	2.53	9380	3.7	23000	81	1.68	9380	2.8	23000	81	1.24	9380
	360	351	5.0	23000	81	2.25	9380	3.3	23000	81	1.49	9380	2.5	23000	81	1.10	9380
	400	398	4.4	23000	81	1.98	9380	2.9	23000	81	1.31	9380	2.2	23000	81	0.97	9380
	450	450	3.9	23000	81	1.75	9380	2.6	23000	81	1.16	9380	1.9	23000	81	0.86	9380
	500	475	3.7	23000	81	1.66	9380	2.4	23000	81	1.10	9380	1.8	23000	81	0.82	9380
	560	547	3.2	23000	81	1.44	9380	2.1	23000	81	0.96	9380	1.6	23000	81	0.71	9380
	630	636	2.8	23000	81	1.24	9380	1.8	23000	81	0.82	9380	1.4	23000	81	0.61	9380
	710	712	2.5	23000	81	1.11	9380	1.6	23000	81	0.73	9380	1.2	23000	81	0.54	9380
	800	759	2.3	23000	81	1.04	9380	1.5	23000	81	0.69	9380	1.1	23000	81	0.51	9380
	900	899	1.9	23000	81	0.88	9380	1.3	23000	81	0.58	9380	0.96	23000	81	0.43	9380
	10C	960	1.8	23000	81	0.82	9380	1.2	23000	81	0.54	9380	0.90	23000	81	0.40	9380
	11C	1084	1.6	23000	81	0.73	9380	1.1	23000	81	0.48	9380	0.79	23000	81	0.36	9380
	12C	1191	1.5	23000	81	0.66	9380	1.0	23000	81	0.44	9380	0.72	23000	81	0.33	9380
	14C	1405	1.2	23000	81	0.56	9380	0.83	23000	81	0.37	9380	0.61	23000	81	0.28	9380
	16C	1532	1.1	23000	80	0.52	9380	0.76	23000	80	0.35	9380	0.56	23000	80	0.26	9380
	18C	1901	0.92	23000	80	0.42	9380	0.61	23000	80	0.28	9380	0.45	23000	80	0.21	9380
	20C	2068	0.85	23000	79	0.39	9380	0.56	23000	79	0.26	9380	0.42	23000	79	0.19	9380
	22C	2242	0.78	23000	80	0.36	9380	0.52	23000	80	0.24	9380	0.38	23000	80	0.17	9380
	25C	2463	0.71	23000	79	0.33	9380	0.47	23000	79	0.22	9380	0.35	23000	79	0.16	9380
	28C	2697	0.65	23000	79	0.30	9380	0.43	23000	79	0.20	9380	0.32	23000	79	0.15	9380
	32C	3305	0.53	23000	79	0.24	9380	0.35	23000	79	0.16	9380	0.26	23000	79	0.12	9380
	36C	3761	0.47	23000	80	0.21	9380	0.31	23000	80	0.14	9380	0.23	23000	80	0.10	9380
	40C	4131	0.42	23000	79	0.20	9380	0.28	23000	79	0.13	9380	0.21	23000	79	0.096	9380
	45C	4423	0.40	23000	79	0.18	9380	0.26	23000	79	0.12	9380	0.19	23000	79	0.090	9380
	50C	4929	0.36	23000	78	0.17	9380	0.24	23000	78	0.11	9380	0.17	23000	78	0.082	9380
	56C	5528	0.32	23000	78	0.15	9380	0.21	23000	78	0.098	9380	0.16	23000	78	0.073	9380
	63C	6366	0.27	23000	78	0.13	9380	0.18	23000	78	0.085	9380	0.14	23000	78	0.063	9380
	71C	6707	0.26	23000	73	0.13	9380	0.17	23000	73	0.086	9380	0.13	23000	73	0.064	9380
	80C	8262	0.21	23000	73	0.11	9380	0.14	23000	73	0.070	9380	0.10	23000	73	0.052	9380
	90C	8845	0.20	23000	72	0.10	9380	0.13	23000	72	0.066	9380	0.10	23000	72	0.049	9380
	10K	9859	0.18	23000	72	0.090	9380	0.12	23000	72	0.060	9380	0.09	23000	72	0.044	9380
	11K	11057	0.16	23000	72	0.080	9380	0.10	23000	72	0.053	9380	0.08	23000	72	0.039	9380
	12K	12712	0.14	23000	72	0.070	9380	0.09	23000	72	0.046	9380	0.07	23000	72	0.034	9380

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lb's)

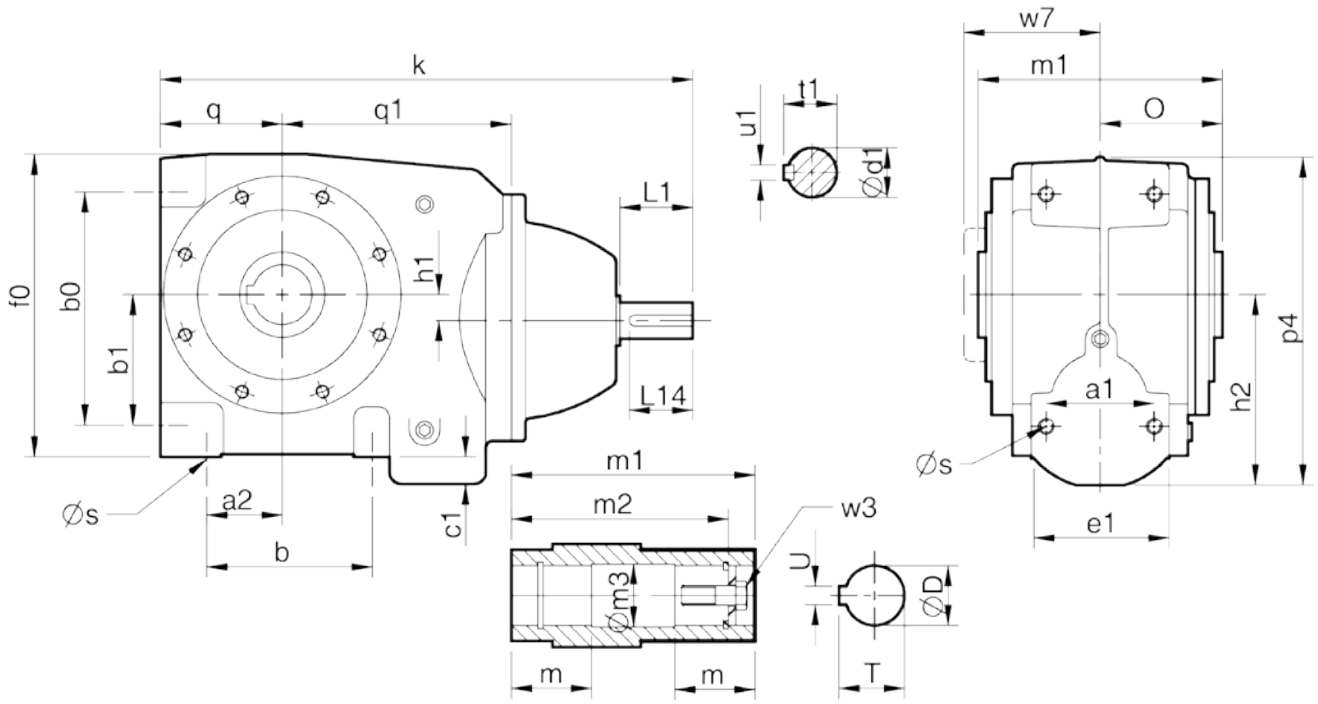
			n1 = 1750					*n1* = 1160					*n1* = 860				
	in	*i*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*
C0921	8.0	7.973	219	17300	93	64.78	8600	145	20600	93	51.13	10000	108	23300	93	42.88	10800
	11.	10.98	159	19800	93	53.84	9400	106	23500	93	42.36	10000	78	26200	93	35.01	10800
	12.	12.30	142	20800	93	50.49	9400	94	24400	93	39.26	10000	70	27300	93	32.57	10800
	14.	13.81	127	21800	93	47.13	9700	84	25600	93	36.69	10400	62	28600	93	30.39	10800
	16.	16.68	105	21400	89	40.03	10800	70	25000	89	31.00	11100	52	27900	89	25.65	11900
	18.	17.79	98	24100	93	40.45	10400	65	28100	93	31.26	11100	48	31200	93	25.73	11900
	20.	19.88	88	25100	92	38.11	10800	58	29200	92	29.38	11500	43	32500	92	24.25	11500
	22.	22.96	76	24300	89	33.02	11700	51	28100	89	25.31	11900	37	31300	89	20.90	11900
	25.	25.73	68	25400	89	30.80	11900	45	29300	89	23.55	11900	33	32700	89	19.49	11900
	28.	28.89	61	26600	88	29.05	11900	40	30600	88	22.15	11900	30	34000	88	18.25	11900
	32.	31.43	56	29700	91	28.83	11900	37	34300	91	22.07	11900	27	36500	91	17.41	11900
	36.	37.22	47	29200	87	25.04	11900	31	33500	87	19.04	11900	23	37000	87	15.59	11900
	40.	41.59	42	30400	87	23.33	11900	28	34800	87	17.70	11900	21	38300	87	14.44	11900
	45.	44.55	39	33600	90	23.27	11900	26	36700	90	16.85	11900	19	38000	90	12.93	11900
	50.	49.49	35	34800	90	21.69	11900	23	37200	90	15.37	11900	17	38400	90	11.76	11900
	56.	57.66	30	34200	86	19.15	11900	20	38600	86	14.33	11900	15	42100	86	11.58	11900
	63.	65.74	27	35700	86	17.53	11900	18	40200	86	13.09	11900	13	43700	86	10.55	11900
	71.	69.91	25	36900	89	16.47	11900	17	38600	89	11.42	11900	12	39700	89	8.71	11900
	80.	77.18	23	37300	89	15.08	11900	15	38900	89	10.42	11900	11	40100	89	7.97	11900
	90.	93.18	19	39900	84	14.15	11900	12	44300	84	10.42	11900	9.2	47600	84	8.30	11900
	100	103.5	17	42100	84	13.45	11900	11	45500	84	9.63	11900	8.3	48900	84	7.67	11900
	112	106.2	16	38600	88	11.47	11900	11	40100	88	7.90	11900	8.1	41200	88	6.02	11900
	125	119.4	15	39000	87	10.42	11900	10	40500	87	7.18	11900	7.2	41500	87	5.45	11900
	140	146.2	12	45200	82	10.47	11900	7.9	49300	82	7.57	11900	5.9	49400	82	5.62	11900
	160	161.4	11	46400	82	9.73	11900	7.2	49400	82	6.87	11900	5.3	49400	82	5.09	11900
	212	222.1	7.9	49400	80	7.72	11900	5.2	49400	80	5.12	11900	3.9	39600	80	3.04	11900
	250	249.7	7.0	49400	80	6.87	11900	4.6	49400	80	4.55	11900	3.4	49400	80	3.37	11900
C0941	160	160	11	42500	82	8.99	11900	7.3	42500	82	5.96	11900	5.4	42500	82	4.42	11900
	180	177	10	42500	82	8.13	11900	6.6	42500	82	5.39	11900	4.9	42500	82	4.00	11900
	212	225	7.8	42500	82	6.40	11900	5.2	42500	82	4.24	11900	3.8	42500	82	3.14	11900
	250	249	7.0	42500	82	5.78	11900	4.7	42500	82	3.83	11900	3.5	42500	82	2.84	11900
	280	282	6.2	42500	82	5.10	11900	4.1	42500	82	3.38	11900	3.0	42500	82	2.51	11900
	320	314	5.6	42500	82	4.58	11900	3.7	42500	82	3.04	11900	2.7	42500	82	2.25	11900
	360	359	4.9	42500	82	4.01	11900	3.2	42500	82	2.66	11900	2.4	42500	82	1.97	11900
	400	407	4.3	42500	82	3.54	11900	2.9	42500	82	2.34	11900	2.1	42500	82	1.74	11900
	450	452	3.9	42500	82	3.18	11900	2.6	42500	82	2.11	11900	1.9	42500	82	1.56	11900
	500	485	3.6	42500	82	2.97	11900	2.4	42500	82	1.97	11900	1.8	42500	82	1.46	11900
	560	558	3.1	42500	82	2.58	11900	2.1	42500	82	1.71	11900	1.5	42500	82	1.27	11900
	630	649	2.7	42500	82	2.22	11900	1.8	42500	82	1.47	11900	1.3	42500	82	1.09	11900
	710	727	2.4	42500	82	1.98	11900	1.6	42500	82	1.31	11900	1.2	42500	82	0.97	11900
	800	774	2.3	42500	82	1.86	11900	1.5	42500	82	1.23	11900	1.1	42500	82	0.91	11900
	900	918	1.9	42500	82	1.57	11900	1.3	42500	82	1.04	11900	0.94	42500	82	0.77	11900
	10C	980	1.8	42500	82	1.47	11900	1.2	42500	82	0.97	11900	0.88	42500	82	0.72	11900
	11C	1089	1.6	42500	80	1.35	11900	1.1	42500	80	0.90	11900	0.79	42500	80	0.67	11900
	12C	1216	1.4	42500	82	1.18	11900	0.95	42500	82	0.78	11900	0.71	42500	82	0.58	11900
	14C	1434	1.2	42500	82	1.00	11900	0.81	42500	82	0.67	11900	0.60	42500	82	0.49	11900
	16C	1538	1.1	44200	81	0.99	11900	0.75	44200	81	0.65	11900	0.56	44200	81	0.48	11900
	18C	1908	0.92	44200	81	0.79	11900	0.61	44200	81	0.53	11900	0.45	44200	81	0.39	11900
	20C	2107	0.83	44200	81	0.72	11900	0.55	44200	81	0.48	11900	0.41	44200	81	0.35	11900
	22C	2250	0.78	44200	81	0.67	11900	0.52	44200	81	0.45	11900	0.38	44200	81	0.33	11900
	25C	2484	0.70	44200	81	0.61	11900	0.47	44200	81	0.40	11900	0.35	44200	81	0.30	11900
	28C	2720	0.64	44200	81	0.56	11900	0.43	44200	81	0.37	11900	0.32	44200	81	0.27	11900
	32C	3334	0.52	44200	81	0.45	11900	0.35	44200	81	0.30	11900	0.26	44200	81	0.22	11900
	36C	3775	0.46	44200	81	0.40	11900	0.31	44200	81	0.27	11900	0.23	44200	81	0.20	11900
	40C	4167	0.42	44200	81	0.36	11900	0.28	44200	81	0.24	11900	0.21	44200	81	0.18	11900
	45C	4586	0.38	44200	80	0.33	11900	0.25	44200	80	0.22	11900	0.19	44200	80	0.16	11900
	50C	5112	0.34	44200	80	0.30	11900	0.23	44200	80	0.20	11900	0.17	44200	80	0.15	11900
	56C	5733	0.31	44200	80	0.27	11900	0.20	44200	80	0.18	11900	0.15	44200	80	0.13	11900
	63C	6447	0.27	44200	79	0.24	11900	0.18	44200	79	0.16	11900	0.13	44200	79	0.12	11900
	71C	7041	0.25	49400	75	0.26	11900	0.16	49400	75	0.17	11900	0.12	49400	75	0.13	11900
	80C	7897	0.22	49400	75	0.23	11900	0.15	49400	75	0.15	11900	0.11	49400	75	0.11	11900
	90C	8718	0.20	49400	75	0.21	11900	0.13	49400	75	0.14	11900	0.10	49400	75	0.10	11900
	10K	9594	0.18	49400	73	0.20	11900	0.12	49400	73	0.13	11900	0.09	49400	73	0.096	11900
	11K	10693	0.16	49400	73	0.18	11900	0.11	49400	73	0.12	11900	0.08	49400	73	0.086	11900
	12K	11993	0.15	49400	73	0.16	11900	0.10	49400	73	0.10	11900	0.07	49400	73	0.077	11900
	14K	13485	0.13	49400	73	0.14	11900	0.09	49400	73	0.092	11900	0.06	49400	73	0.068	11900

C

Key: Pm= Input Power (HP) M2= Output Torque (lb.in) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (lb's)

			n1 = 1750					*n1* = 1160					*n1* = 860				
	in	*i*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*	*n2*	*M2*	*η (%)*	*Pm*	*Fra*
C1021	8.0	7.951	220	30400	94	112.9	7700	146	34000	94	83.73	10000	108	34000	94	62.07	10500
	11.	11.11	158	35200	94	93.59	9800	104	41200	94	72.61	10300	77	44800	94	58.54	10700
	12.	12.08	145	36500	94	89.25	9900	96	43000	94	69.70	10500	71	46200	94	55.52	11100
	14.	13.72	128	38400	94	82.68	10300	85	45100	94	64.36	10500	63	48500	94	51.32	12000
	16.	16.63	105	38800	91	71.19	11400	70	44800	91	54.49	10900	52	48900	91	44.09	12600
	18.	17.87	98	42700	93	71.34	11100	65	49800	93	55.15	12200	48	53400	93	43.84	12400
	20.	19.29	91	43900	93	67.95	11400	60	51200	93	52.53	11600	45	54900	93	41.76	13000
	22.	23.23	75	44400	90	58.97	12400	50	50600	90	44.55	12000	37	52800	90	34.46	14900
	25.	25.27	69	45800	90	55.92	12600	46	51700	90	41.84	13500	34	53800	90	32.28	15600
	28.	28.70	61	48100	90	51.71	12800	40	53100	90	37.84	13900	30	55200	90	29.16	15800
	32.	31.85	55	53000	92	50.22	12200	36	61500	92	38.63	14300	27	65200	92	30.36	15300
	36.	37.38	47	51400	90	42.42	13700	31	56100	90	30.69	13500	23	58100	90	23.57	16200
	40.	40.36	43	52300	89	40.43	14100	29	56100	89	28.75	15600	21	58900	89	22.37	16600
	45.	43.65	40	59300	91	41.45	13300	27	67700	91	31.37	16000	20	72000	91	24.73	16600
	50.	48.51	36	60100	91	37.80	13500	24	70200	91	29.27	15400	18	73600	91	22.75	17500
	56.	58.85	30	56600	88	30.35	15800	20	60900	88	21.64	16600	15	62700	88	16.52	19600
	63.	66.62	26	57900	88	27.42	16600	17	62100	88	19.50	17200	13	64000	88	14.90	19600
	71.	69.18	25	62800	90	28.01	15300	17	74900	90	22.14	17500	12	76400	90	16.74	19600
	80.	79.71	22	63500	90	24.58	16000	15	76000	90	19.50	18400	11	76700	90	14.59	19600
	90.	91.32	19	61200	86	21.64	16600	13	65700	86	15.40	19600	9.4	68000	86	11.81	19600
	100	101.5	17	62200	86	19.79	17000	11	67000	86	14.13	19600	8.5	69000	86	10.79	19600
	112	107.8	16	71700	89	20.75	17500	11	76700	89	14.71	19600	8.0	76700	89	10.91	19600
	125	115.8	15	68200	89	18.37	18000	10	70300	89	12.55	19600	7.4	69900	89	9.25	19600
	140	144.7	12	68300	85	15.42	19600	8.0	71500	85	10.70	19600	5.9	73700	85	8.18	19600
	160	166.7	10	68100	84	13.50	19600	7.0	73200	84	9.62	19600	5.2	75400	84	7.35	19600
	212	225.5	7.8	71900	83	10.67	19600	5.1	76600	83	7.53	19600	3.8	76700	83	5.59	19600
	250	242.3	7.2	72700	83	10.04	19600	4.8	76700	83	7.02	19600	3.5	76700	83	5.20	19600
C1041	160	160	11	73700	83	15.41	19600	7.3	73700	83	10.21	19600	5.4	73700	83	7.57	19600
	180	177	10	72100	83	13.63	19600	6.6	72100	83	9.03	19600	4.9	72100	83	6.70	19600
	212	225	7.8	73700	83	10.96	19600	5.2	73700	83	7.26	19600	3.8	73700	83	5.39	19600
	250	249	7.0	72100	83	9.69	19600	4.7	72100	83	6.42	19600	3.5	72100	83	4.76	19600
	280	282	6.2	73700	83	8.74	19600	4.1	73700	83	5.80	19600	3.0	73700	83	4.30	19600
	320	314	5.6	72100	83	7.68	19600	3.7	72100	83	5.09	19600	2.7	72100	83	3.77	19600
	360	359	4.9	73700	83	6.87	19600	3.2	73700	83	4.55	19600	2.4	73700	83	3.38	19600
	400	407	4.3	73700	83	6.06	19600	2.9	73700	83	4.02	19600	2.1	73700	83	2.98	19600
	450	452	3.9	72100	83	5.34	19600	2.6	72100	83	3.54	19600	1.9	72100	83	2.62	19600
	500	485	3.6	73700	83	5.08	19600	2.4	73700	83	3.37	19600	1.8	73700	83	2.50	19600
	560	558	3.1	73700	83	4.42	19600	2.1	73700	83	2.93	19600	1.5	73700	83	2.17	19600
	630	649	2.7	73700	83	3.80	19600	1.8	73700	83	2.52	19600	1.3	73700	83	1.87	19600
	710	727	2.4	73700	83	3.39	19600	1.6	73700	83	2.25	19600	1.2	73700	83	1.67	19600
	800	774	2.3	73700	83	3.19	19600	1.5	73700	83	2.11	19600	1.1	73700	83	1.57	19600
	900	918	1.9	73700	83	2.69	19600	1.3	73700	83	1.78	19600	0.94	73700	83	1.32	19600
	10C	980	1.8	73700	83	2.52	19600	1.2	73700	83	1.67	19600	0.88	73700	83	1.24	19600
	11C	1089	1.6	72100	83	2.21	19600	1.1	72100	83	1.47	19600	0.79	72100	83	1.09	19600
	12C	1216	1.4	73700	83	2.03	19600	0.95	73700	83	1.34	19600	0.71	73700	83	1.00	19600
	14C	1434	1.2	73700	83	1.72	19600	0.81	73700	83	1.14	19600	0.60	73700	83	0.84	19600
	16C	1538	1.1	74500	82	1.64	19600	0.75	74500	82	1.09	19600	0.56	74500	82	0.81	19600
	18C	1908	0.92	74500	82	1.32	19600	0.61	74500	82	0.88	19600	0.45	74500	82	0.65	19600
	20C	2107	0.83	74500	82	1.20	19600	0.55	74500	82	0.79	19600	0.41	74500	82	0.59	19600
	22C	2250	0.78	74500	82	1.12	19600	0.52	74500	82	0.74	19600	0.38	74500	82	0.55	19600
	25C	2484	0.70	74700	82	1.02	19600	0.47	74700	82	0.67	19600	0.35	74700	82	0.50	19600
	28C	2720	0.64	74700	82	0.93	19600	0.43	74700	82	0.62	19600	0.32	74700	82	0.46	19600
	32C	3334	0.52	74700	82	0.76	19600	0.35	74700	82	0.50	19600	0.26	74700	82	0.37	19600
	36C	3775	0.46	74700	82	0.67	19600	0.31	74700	82	0.44	19600	0.23	74700	82	0.33	19600
	40C	4167	0.42	74700	82	0.61	19600	0.28	74700	82	0.40	19600	0.21	74700	82	0.30	19600
	45C	4586	0.38	76500	81	0.57	19600	0.25	76500	81	0.38	19600	0.19	76500	81	0.28	19600
	50C	5112	0.34	76500	81	0.51	19600	0.23	76500	81	0.34	19600	0.17	76500	81	0.25	19600
	56C	5733	0.31	76500	81	0.46	19600	0.20	76500	81	0.30	19600	0.15	76500	81	0.22	19600
	63C	6447	0.27	70600	81	0.38	19600	0.18	70600	81	0.25	19600	0.13	70600	81	0.18	19600
	71C	7041	0.25	76700	77	0.39	19600	0.16	76700	77	0.26	19600	0.12	76700	77	0.19	19600
	80C	7897	0.22	76700	77	0.35	19600	0.15	76700	77	0.23	19600	0.11	76700	77	0.17	19600
	90C	8718	0.20	76700	76	0.32	19600	0.13	76700	76	0.21	19600	0.099	76700	76	0.16	19600
	10K	9594	0.18	76700	76	0.29	19600	0.12	76700	76	0.19	19600	0.090	76700	76	0.14	19600
	11K	10693	0.16	76700	76	0.26	19600	0.11	76700	76	0.17	19600	0.080	76700	76	0.13	19600
	12K	11993	0.15	76700	76	0.23	19600	0.097	76700	76	0.15	19600	0.072	76700	76	0.11	19600
	14K	13485	0.13	76700	76	0.21	19600	0.086	76700	76	0.14	19600	0.064	76700	76	0.10	19600

C



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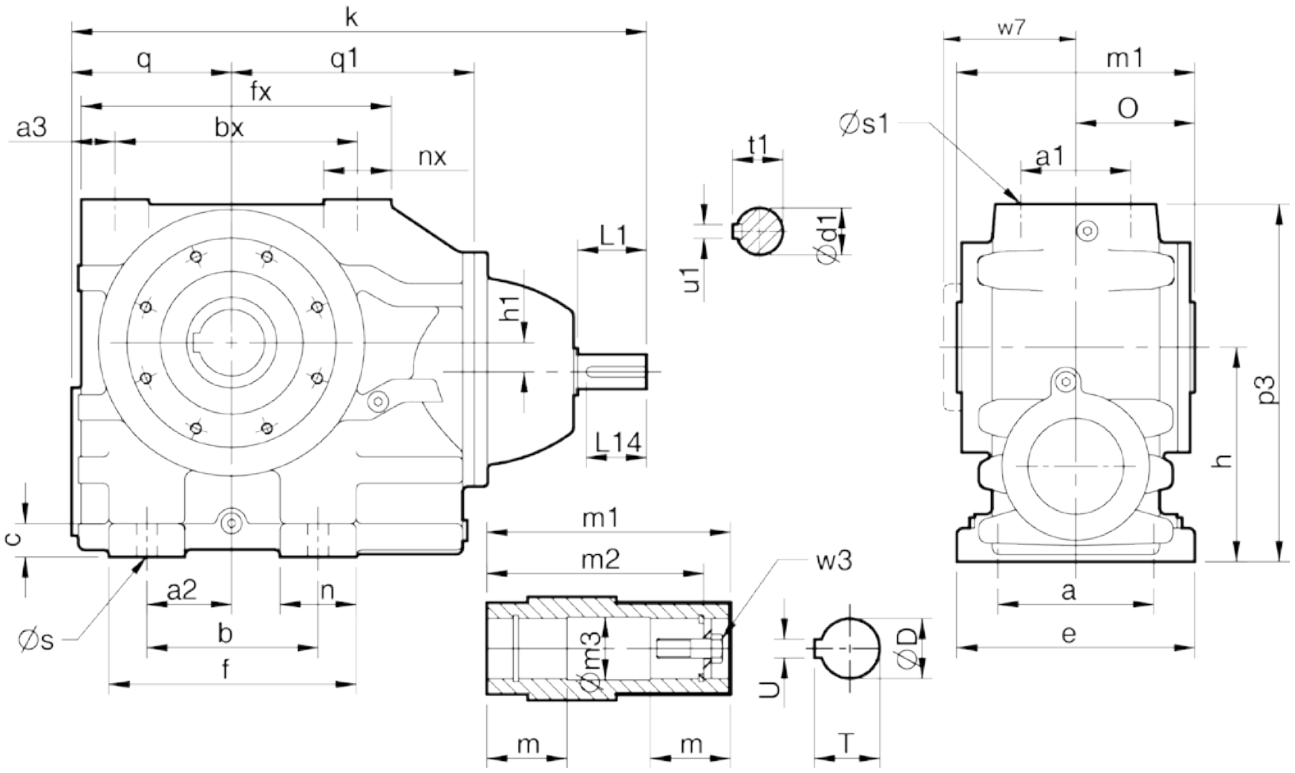
Size	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o
C0321	2.13	1.38	2.48	3.15	1.57	0.35	2.76	5.47	0.21	3.13	2.44
C0421	2.20	1.38	3.15	4.65	2.56	0.28	3.15	6.22	0.59	3.66	2.56
C0521	2.68	1.77	3.94	5.59	3.03	0.63	3.39	6.97	0.51	4.41	2.76
C0621	3.15	2.20	4.80	6.77	3.78	0.79	4.02	8.58	0.67	5.49	3.54

Size	p4	q	q1	s	w7	T2	g6	k
C0321	5.83	2.13	4.29	M8, 0.59 deep	2.76	4.37	5.51	10.79
C0421	6.61	2.52	4.69	M10, 0.79 deep	2.93	4.37	5.51	11.57
C0521	7.87	2.68	5.28	M10, 0.71 deep	3.11	4.37	5.51	12.32
C0621	9.57	3.54	6.65	M12, 0.79 deep	3.98	4.37	7.09	14.57

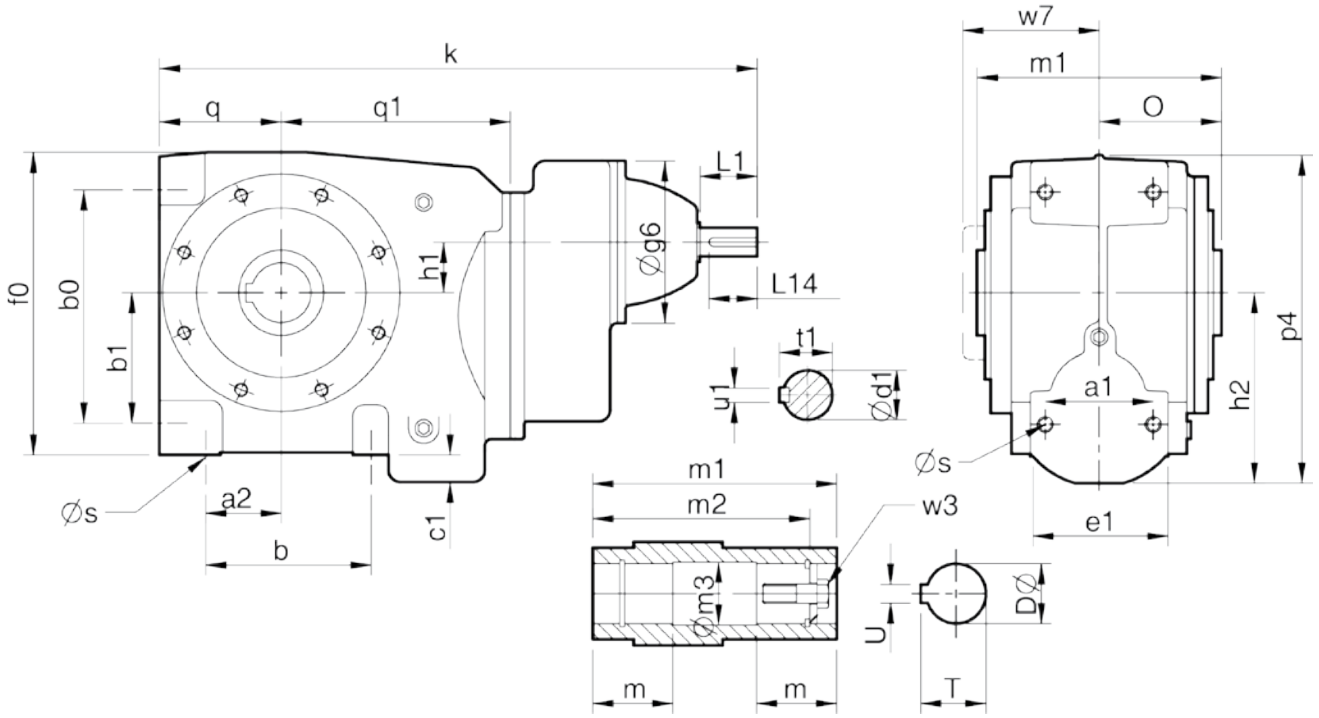
Size	Input Shaft						Hollow Output Bore							
	d1	L1	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0321	0.625	1.57	1.28	0.70	0.188	1/4" UNF	0.75	2.05	4.88	4.09	0.80	0.84	0.188	1/4" UNF x 1.50
C0421	0.625	1.57	1.28	0.70	0.188	1/4" UNF	1.25	2.13	5.12	4.80	1.19	1.37	0.25	3/8" UNF x 2.00
C0521	0.625	1.57	1.28	0.70	0.188	1/4" UNF	1.375	2.20	5.51	5.00	1.39	1.53	0.313	1/2" UNF x 2.00
C0621	0.75	1.57	1.28	0.83	0.188	1/4" UNF	1.50	2.76	7.09	6.14	1.78	1.67	0.375	5/8" UNF x 2.75



Size	a	a1	a	a3	b2	bx	c	e	f	fx	h	h1	n	nx	o
C0721	5.91	3.94	2.95	1.40	5.31	8.46	1.10	7.28	7.95	11.02	7.09	1.02	2.64	2.48	4.29
C0821	7.87	4.72	3.62	1.69	7.09	9.84	1.38	9.84	10.24	12.83	8.86	1.10	3.15	2.80	4.92
C0921	9.84	5.31	4.53	1.97	9.25	11.42	1.57	12.00	12.60	14.96	11.02	1.57	3.35	3.35	5.91
C1021	11.81	5.91	6.69	2.46	12.20	13.58	1.77	14.17	16.54	18.11	13.19	2.56	4.33	4.21	6.89

Size	p3	q	q1	s	s1	w7	T2	g6	k
C0721	11.89	5.63	8.66	0.71	M20, 1.34 deep	4.92	4.53	8.35	18.82
C0821	14.76	6.61	10.04	0.87	M20, 1.34 deep	5.63	6.30	9.84	22.95
C0921	17.99	7.68	11.81	1.02	M24, 1.77 deep	6.65	7.68	11.81	27.16
C1021	22.24	9.25	13.98	1.02	M24, 1.77 deep	7.80	9.17	14.17	32.40

Size	Input Shaft						Hollow Output Bore							
	d1	L1	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0721	0.875	1.97	1.28	0.96	0.375	$^5/_8$" UNF	2.00	3.11	8.58	7.40	2.38	2.23	0.50	$^5/_8$" UNF x 3.00
C0821	1.125	2.36	2.00	1.23	0.625	$^3/_4$" UNF	2.375	3.54	9.84	8.66	2.78	2.66	0.625	$^3/_4$" UNF x 3.00
C0921	1.375	3.15	2.40	1.51	0.635	$^3/_4$" UNF	2.75	4.23	11.81	10.43	3.56	3.04	0.625	$^3/_4$" UNF x 4.25
C1021	1.625	4.33	3.69	1.79	0.875	1" UNF	3.25	5.22	13.78	12.32	3.96	3.59	0.75	1" UNF x 4.25

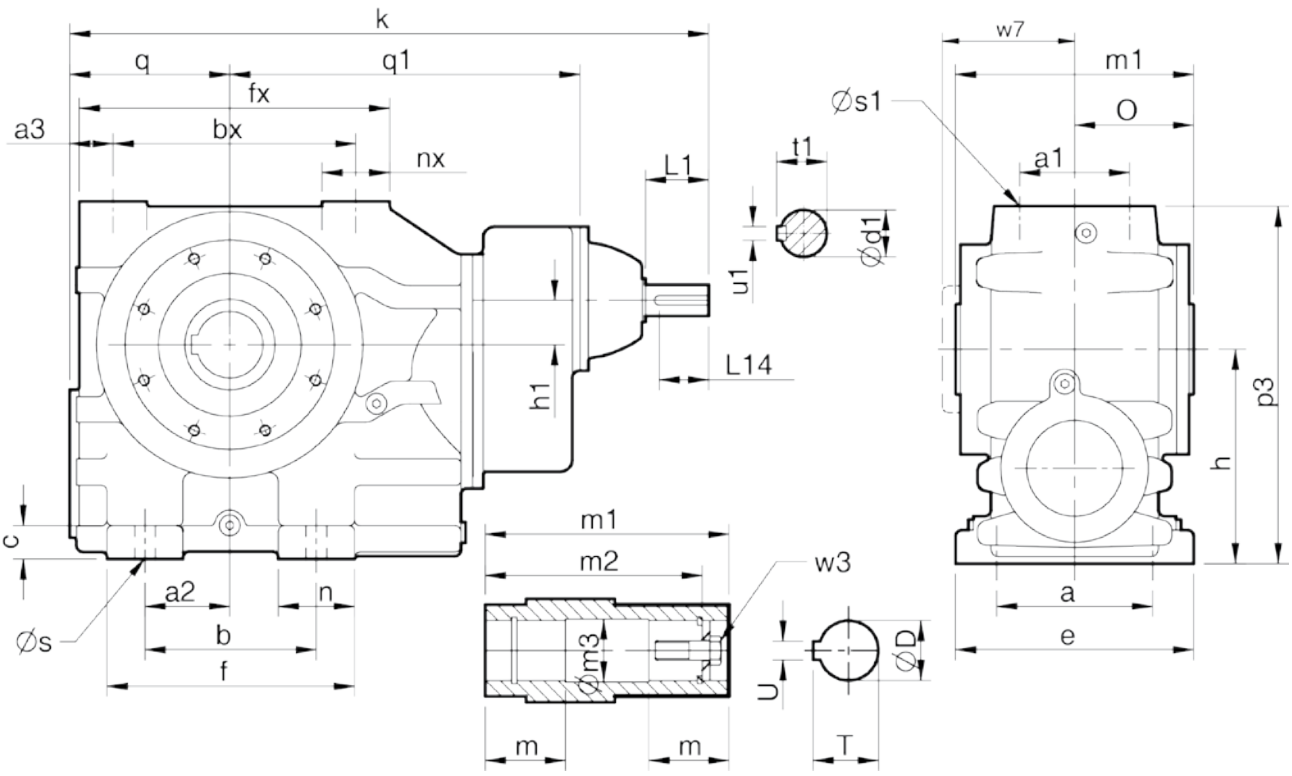


C

Size	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	k	o
C0331	2.13	1.38	2.48	3.15	1.57	0.35	2.76	5.47	1.21	3.13	12.99	2.44
C0431	2.20	1.38	3.15	4.65	2.56	0.28	3.15	6.22	0.83	3.66	13.74	2.56
C0531	2.68	1.77	3.94	5.59	3.03	0.63	3.39	6.97	0.91	4.41	14.50	2.76
C0631	3.15	2.20	4.80	6.77	3.78	0.79	4.02	8.58	1.18	5.49	17.17	3.54

Size	p4	q	q1	s	T2	w7	g6
C0331	5.83	2.13	4.29	M8, 0.59 deep	4.37	2.76	5.51
C0431	6.61	2.52	4.69	M10, 0.79 deep	4.37	2.93	5.51
C0531	7.87	2.68	5.28	M10, 0.71 deep	4.37	3.11	5.51
C0631	9.57	3.54	6.65	M12, 0.79 deep	4.37	3.98	7.09

Size	Input Shaft						Hollow Output Bore							
	d1	L1	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0721	0.625	1.57	1.28	0.70	0.188	1/4" UNF	0.75	2.05	4.88	4.09	0.80	0.84	0.188	1/4" UNF x 1.50
C0821	0.625	1.57	1.28	0.70	0.188	1/4" UNF	1.25	2.13	5.12	4.80	1.19	1.37	0.25	3/8" UNF x 2.00
C0921	0.625	1.57	1.28	0.70	0.188	1/4" UNF	1.375	2.20	5.51	5.00	1.39	1.53	0.313	1/2" UNF x 2.00
C1021	0.75	1.57	1.28	0.83	0.188	1/4" UNF	1.50	2.76	7.09	6.14	1.78	1.67	0.375	5/8" UNF x 2.75



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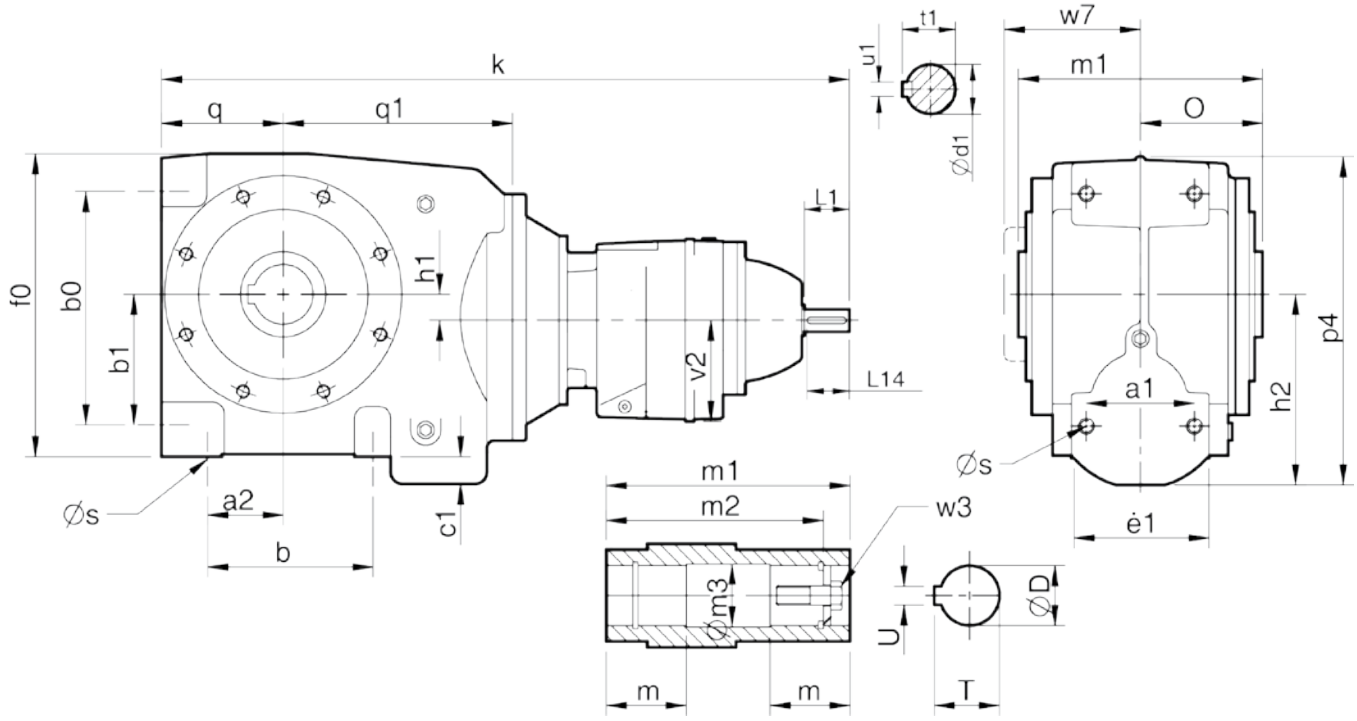
Size	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	k	n	nx	o
C0731	5.91	3.94	2.95	1.40	5.31	8.46	1.10	7.28	7.95	11.02	7.09	1.34	22.05	2.64	2.48	4.29

Size	p3	q	q1	s	s1	T2	w7	g6
C0731	11.89	5.63	8.66	0.71	M20, 1.34 deep	4.37	4.92	8.35

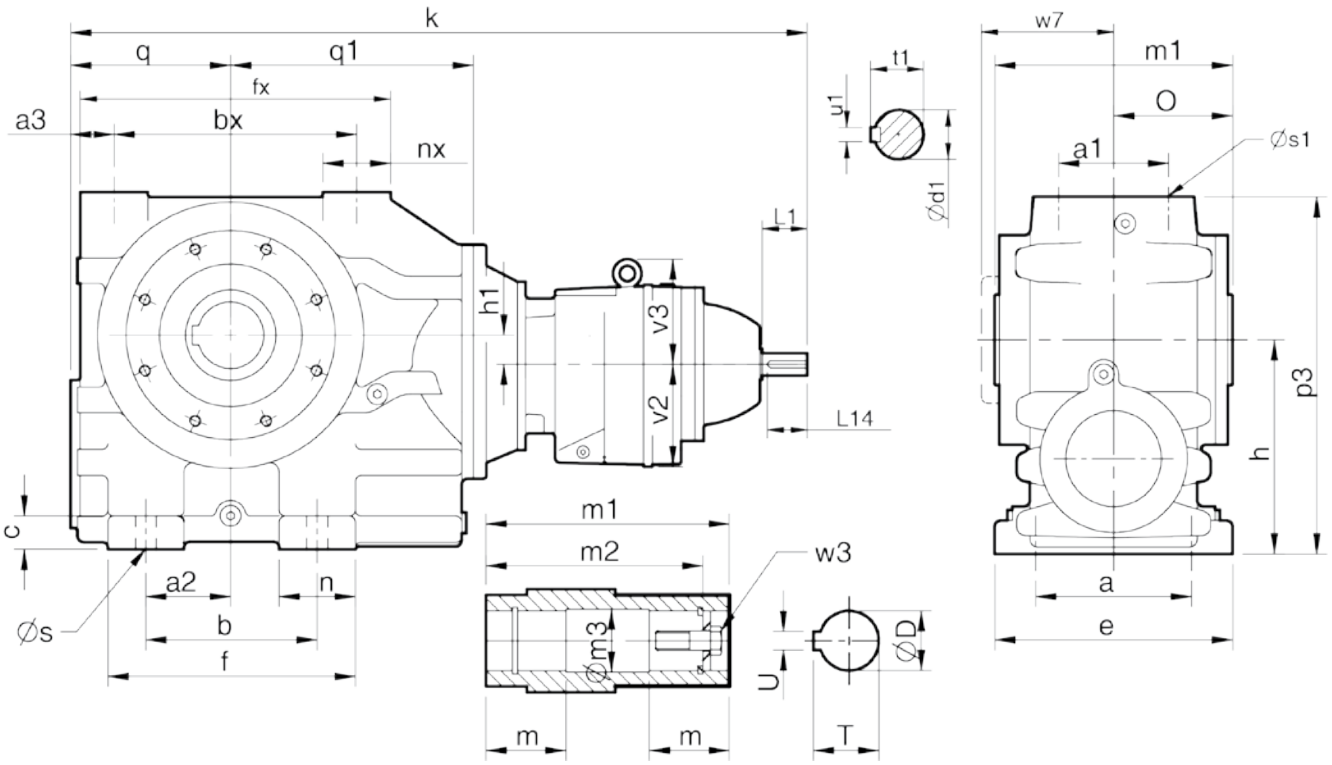
SIZE	Input Shaft						Hollow Output Bore							
	d1	L1	L14	t	u1	w1	D	m	m1	m2	m3	T	U	w3
C0731	0.75	1.57	1.28	0.83	0.188	$^{5}/_{8}$" UNF	2.00	3.11	8.58	7.40	2.38	2.23	0.50	$^{5}/_{8}$" UNF x 3.00



Size	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o
C0341	2.13	1.38	2.48	3.15	1.57	0.35	2.76	5.47	0.21	3.13	2.44
C0441	2.20	1.38	3.15	4.65	2.56	0.28	3.15	6.22	0.59	3.66	2.56
C0541	2.68	1.77	3.94	5.59	3.03	0.63	3.39	6.97	0.51	4.41	2.76
C0641	3.15	2.20	4.80	6.77	3.78	0.79	4.02	8.58	0.67	5.49	3.54

Size	p4	q	q1	s	v2	w7	y	T2	g6	k
C0341	5.83	2.13	4.29	M8, 0.59 deep	2.99	2.76	5.51	4.37	5.51	18.11
C0441	6.61	2.52	4.69	M10, 0.79 deep	2.99	2.93	5.51	4.37	5.51	18.90
C0541	7.87	2.68	5.28	M10, 0.71 deep	2.99	3.11	5.51	4.37	5.51	19.65
C0641	9.57	3.54	6.65	M12, 0.79 deep	3.58	3.98	7.09	4.37	5.51	22.52

Size	Input Shaft						Hollow Output Bore							
	d1	L1	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0341	0.625	1.57	1.26	0.70	0.19	1/4" UNF	0.75	2.05	4.88	4.09	0.80	0.84	0.188	1/4" UNF x 1.50
C0441	0.625	1.57	1.26	0.70	0.19	1/4" UNF	1.25	2.13	5.12	4.80	1.19	1.37	0.25	3/8" UNF x 2.00
C0541	0.625	1.57	1.26	0.70	0.19	1/4" UNF	1.375	2.20	5.51	5.00	1.39	1.53	0.313	1/2" UNF x 2.00
C0641	0.625	1.57	1.26	0.70	0.19	1/4" UNF	1.50	2.76	7.09	6.14	1.78	1.67	0.375	5/8" UNF x 2.75



C

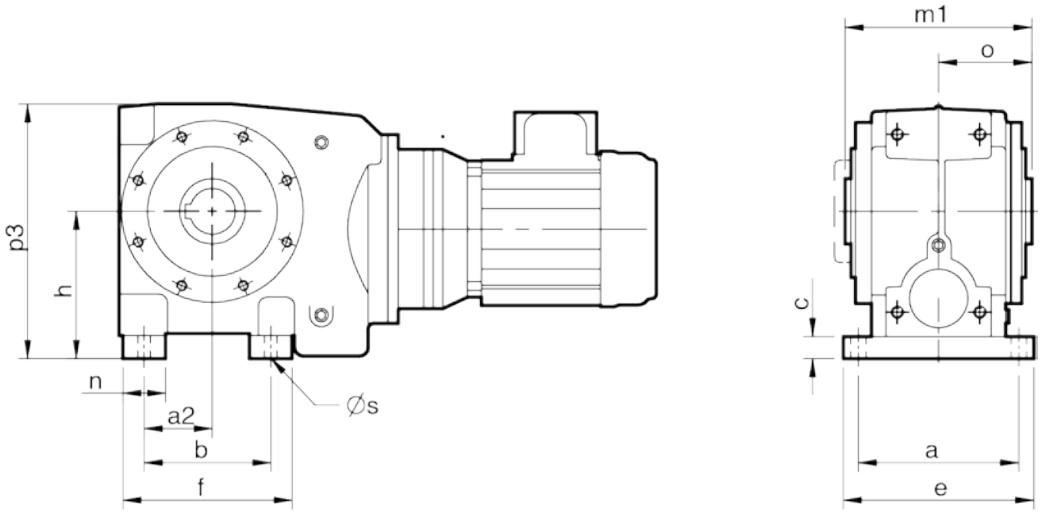
Size	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	n	nx	o
C0741	5.91	3.94	2.95	1.40	5.31	8.46	1.10	7.28	7.95	11.02	7.09	1.02	2.64	2.48	4.29
C0841	7.87	4.72	3.62	1.69	7.09	9.84	1.38	9.84	10.24	12.83	8.86	1.10	3.15	2.80	4.92
C0941	9.84	5.31	4.53	1.97	9.25	11.42	1.57	12.00	12.60	14.96	11.02	1.57	3.35	3.35	5.91
C1041	11.81	5.91	6.69	2.46	12.20	13.58	1.77	14.17	16.54	18.11	13.19	2.56	4.33	4.21	6.89

Size	p3	q	q1	s	s1	v2	v3	w7	y	T2	g6	k
C0741	11.89	5.63	8.66	0.71	M20, 1.34 deep	3.58	-	4.92	8.35	4.37	5.51	26.65
C0841	14.76	6.61	10.04	0.87	M20, 1.34 deep	4.53	-	5.63	9.84	4.37	7.09	30.91
C0941	17.99	7.68	11.81	1.02	M24, 1.77 deep	4.53	-	6.65	11.81	4.37	7.09	34.17
C1041	22.24	9.25	13.98	1.02	M24, 1.77 deep	5.51	6.10	7.80	14.17	4.53	8.35	39.25

Size	Input Shaft						Hollow Output Bore							
	d1	L1	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0741	0.625	1.57	1.28	0.70	0.18	1/4" UNF	2.00	3.11	8.58	7.40	2.38	2.23	0.50	5/8" UNF x 3.00
C0841	0.75	1.57	1.28	0.83	0.18	5/8" UNF	2.375	3.54	9.84	8.66	2.78	2.66	0.625	3/4" UNF x 3.00
C0941	0.75	1.57	1.28	0.83	0.18	5/8" UNF	2.75	4.23	11.81	10.43	3.56	3.04	0.675	3/4" UNF x 4.25
C1041	0.875	1.97	1.57	0.96	0.375	3/4" UNF	3.25	5.22	13.78	12.32	3.96	3.59	0.75	1" UNF x 4.25

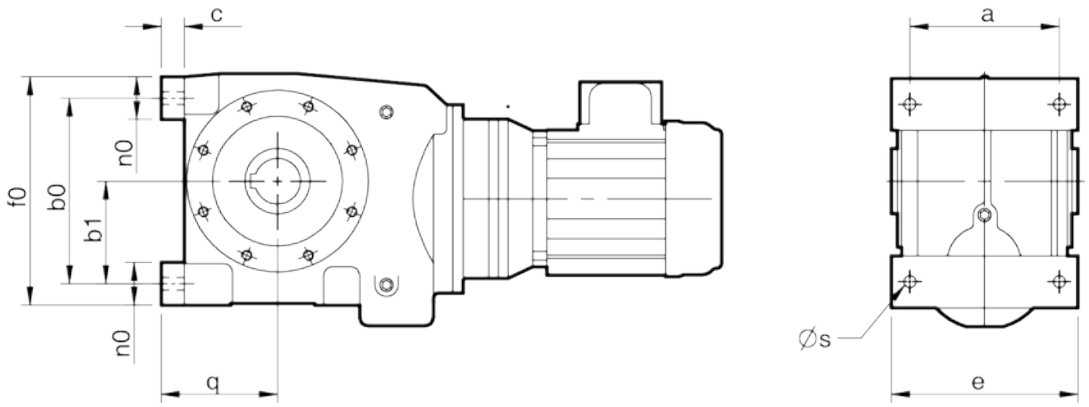
C	0			2				B	R

STANDARD UNIT WITH BASE MOUNTED FEET



C	0			2				E	R

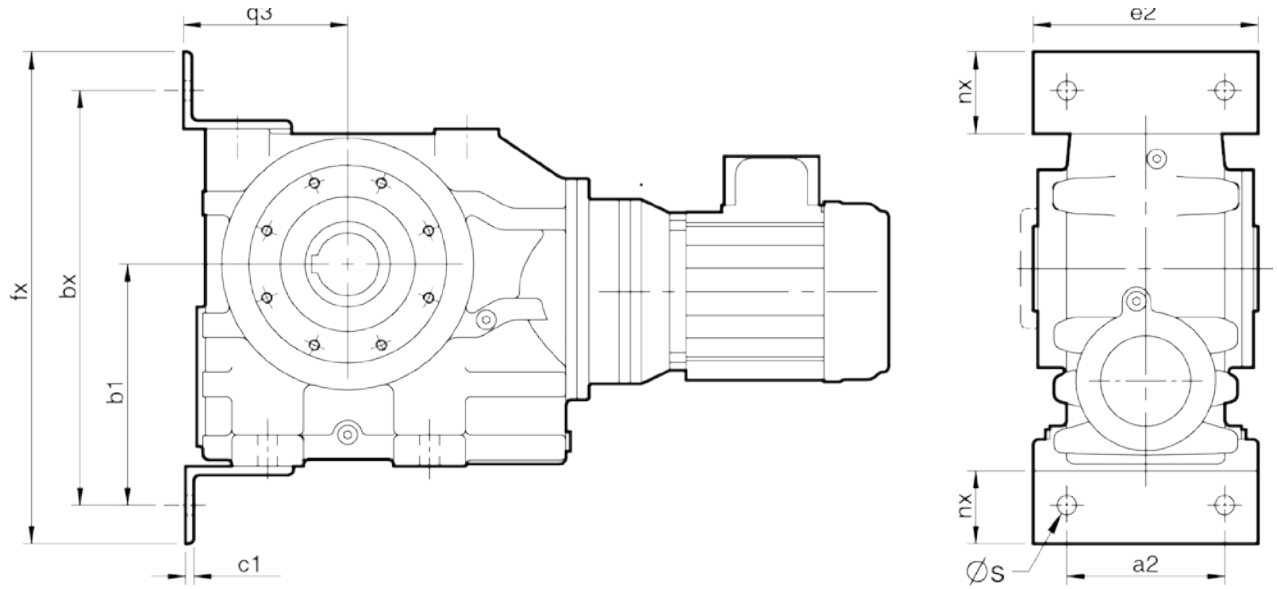
STANDARD UNIT WITH END MOUNTED FEET



Size	a	b	b0	b1	c	e	f	f0	h	n	n0	p3	q	q2	s
C03	3.54	2.48	3.15	1.57	0.35	4.33	3.46	4.13	3.15	0.98	0.98	5.83	2.48	1.38	0.35
C04	3.93	3.15	4.65	2.56	0.55	4.88	4.53	6.02	3.94	1.38	1.38	6.89	3.07	1.38	0.43
C05	4.33	3.94	5.59	3.03	0.63	5.35	5.51	7.17	4.41	1.57	1.57	7.87	3.31	1.77	0.43
C06	5.12	5.12	7.09	3.94	0.79	6.30	6.77	8.74	5.51	1.97	1.97	9.57	4.33	2.36	0.55

C								E	R

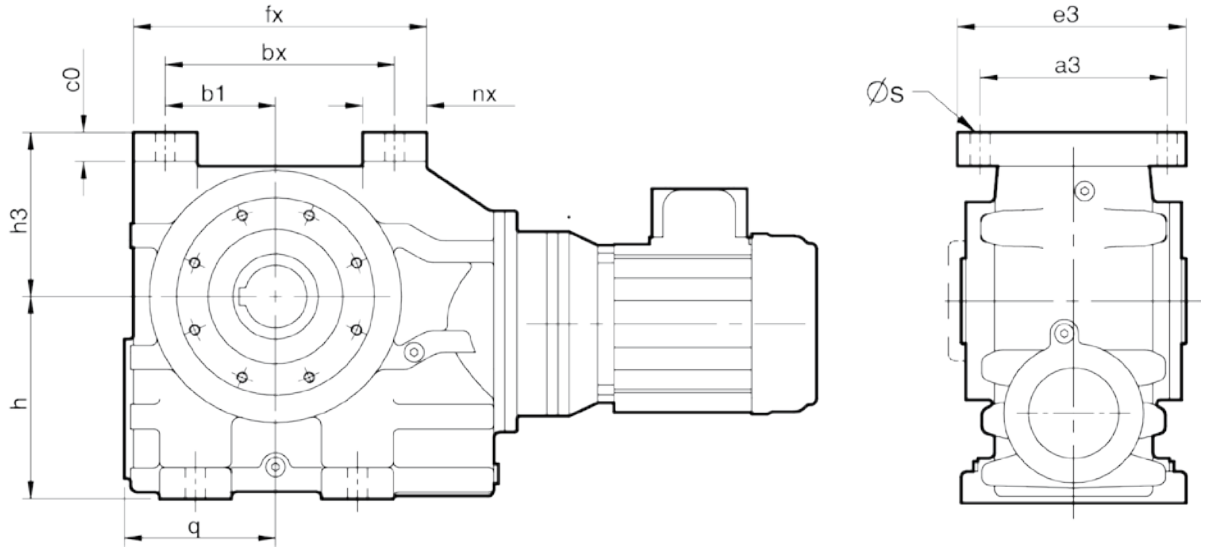
STANDARD UNIT WITH END MOUNTED FEET



Size	a2	bx	b1	c1	e2	fx	nx	q3	s
C07	6.69	15.43	8.86	0.47	8.66	17.80	2.95	6.38	0.87
C08	7.87	18.30	10.63	0.47	9.84	20.67	2.95	7.36	0.87
C09	9.84	21.93	12.99	0.59	12.01	25.08	3.54	8.66	1.02
C10	11.81	26.18	15.16	0.59	14.17	29.33	3.54	10.24	1.02

C								R	R

STANDARD UNIT WITH TOP MOUNTED FEET



SIZE	a3	b1	bx	co	e3	fx	h	h3	nx	q	s
C07	8.07	4.23	8.46	1.10	10.08	10.94	7.09	5.91	2.48	5.63	0.94
C08	8.86	4.92	9.84	1.18	11.02	12.60	8.86	7.09	2.76	6.61	0.94
C09	9.45	5.71	11.42	1.38	11.81	14.57	11.02	8.35	3.15	7.68	1.10
C10	10.43	6.79	13.58	1.38	12.99	17.52	13.19	10.43	3.94	9.25	1.10

Thermal Ratings HP

Thermal ratings are a measure of the units ability to dissipate heat, if they are exceeded the lubricant may break down resulting in premature gear failure.

The ratings listed below are true for horizontal mounting position 1 running continuously with an ambient temperature equal to 68ºF. For other mounting positions, ambients and units operating intermittently multiply thermal power ratings by factors Ft, Fp and Fd as appropriate.

TABLE 1 Thermal Power (HP)

Overall Ratios	Input Rev/min	Unit Size							
		C03	C04	C05	C06	C07	C08	C09	C10
8 to 14	2900	3.75	5.16	6.29	6.84	Consult our Application Engineers			
	1750	2.66	4.37	6.50	7.07				
	1450	2.32	3.82	5.91	5.98	7.66	12.78	24.41	43.58
	1160	1.94	3.22	5.22	5.24	7.66	12.78	15.42	37.15
	960	1.66	2.82	4.63	4.69	7.66	12.78	15.02	32.99
	725	1.43	2.27	3.62	3.74	7.12	12.10	13.41	27.62
	480	0.99	1.64	2.59	2.67	5.51	9.55	13.21	19.58
	250	0.63	0.84	1.46	1.50	3.16	5.62	7.62	11.05
16 to 28	2900	2.28	3.70	4.12	5.00	Consult our Application Engineers			
	1750	1.72	2.72	4.67	4.73	6.72	10.45	18.24	30.17
	1450	1.46	2.17	4.26	4.29	6.64	9.94	17.30	26.02
	1160	1.23	1.84	3.73	3.75	6.45	9.75	15.82	22.80
	960	1.11	1.69	3.29	3.34	6.01	9.27	13.41	19.98
	725	0.90	1.29	2.64	2.71	5.31	9.27	11.68	16.63
	480	0.63	0.86	2.20	2.23	3.89	6.53	8.72	11.77
	250	0.38	0.47	1.19	1.23	2.33	3.96	5.35	6.61
32 to 71	2900	1.64	2.88	4.29	5.91	9.74	12.93	24.94	48.41
	1750	1.13	1.93	3.15	4.96	7.30	9.86	17.43	31.25
	1450	0.93	1.54	2.75	4.37	6.54	9.82	15.56	26.95
	1160	0.76	1.27	2.31	3.74	5.95	9.47	14.62	22.26
	960	0.68	1.14	2.08	3.26	5.32	8.68	11.75	18.91
	725	0.54	0.89	1.58	2.39	4.73	6.91	9.72	14.75
	480	0.44	0.60	1.17	1.72	3.35	4.96	7.20	10.10
	250	0.24	0.40	0.72	0.94	1.78	3.02	3.98	5.46

Table 2. Thermal service factor Ft

Thermal service factor for ambient temperature

Ambient temperature ºF	-22	-4	14	32	50	68	86	104	122
Factor	1.68	1.55	1.41	1.27	1.14	1.0	0.84	0.68	0.50

Table 3. Thermal service factor Fp

Thermal service factor for mounting positions

Unit Output Speed (Rev / min)			Mounting Position				
			1	2 & 3	4	5	6
0	to	25	1.00	0.997	0.996	0.995	0.993
>25	to	50	1.00	0.993	0.990	0.986	0.982
>50	to	75	1.00	0.987	0.981	0.974	0.968
>75	to	100	1.00	0.980	0.970	0.960	0.950
>100	to	200	1.00	0.943	0.914	0.886	0.858
>200	to	300	1.00	0.896	0.844	0.792	0.840
>300	to	400	1.00	0.840	0.760	0.680	0.600
>400			1.00	0.809	0.724	0.618	0.533

TABLE 4. Thermal service factor Fd

Thermal service factor for duration of running

Unit Output Speed (Rev / min)			% Running time per hour				
			100	80	60	40	20
0	to	10	1.00	1.18	1.45	1.72	2.38
>10	to	25	1.00	1.16	1.39	1.64	2.22
>25	to	50	1.00	1.14	1.31	1.54	2.00
>50	to	100	1.00	1.08	1.19	1.33	1.64
>100	to	150	1.00	1.04	1.08	1.19	1.41
>150	to	200	1.00	1.00	1.00	1.06	1.23
>200			1.00	1.00	1.00	1.00	1.00

TABLE 5. THERMAL POWER (HP) WITH COOLING FAN

Overall Ratios	Input Rev/min	Unit Size							
		C03	C04	C05	C06	C07	C08	C09	C10
8 to 14	2900	-	-	-	-	Consult our Application Engineers			
	1750	-	-	-	-				
	1450	-	-	-	-	15.29	25.61	48.81	87.16
	1160	-	-	-	-	14.21	23.60	30.17	70.00
	960	-	-	-	-	13.41	22.39	26.28	57.66
	725	-	-	-	-	10.73	18.10	20.11	41.44
16 to 28	2900	-	-	-	-	Consult our Application Engineers			
	1750	-	-	-	-	15.15	23.74	41.44	68.65
	1450	-	-	-	-	15.02	23.46	41.03	67.85
	1160	-	-	-	-	13.28	19.85	34.60	49.35
	960	-	-	-	-	11.93	17.97	29.23	42.24
	725	-	-	-	-	10.51	16.23	25.08	35.00

C

Note: When checking thermal capacities use actual load required to be transmitted, not rating of prime mover.

Column 10 Entry

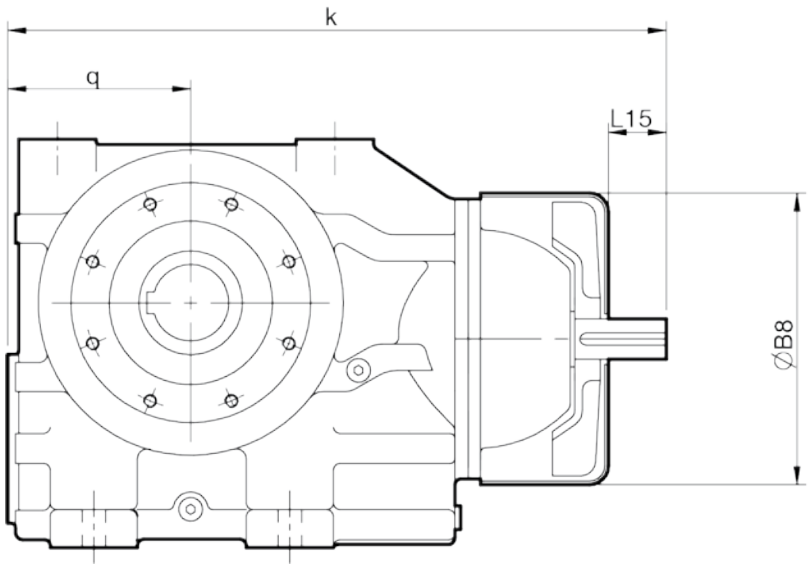
For reducer fan kit modules enter [S] in column 10

or if used in conjunction with a reducer backstop module kit

[Y] CW rotation

[Z] CCW rotation

Dimensions of Fan Cooled Units



Shaft End Detail
as Standard Unit

Unit Size	øB8	k	L15	q
C0721	8.86	18.81	1.38	5.63
C0821	10.43	22.95	1.77	6.61
C0921	12.60	27.16	2.56	7.68
C1021	14.96	32.40	3.74	9.25

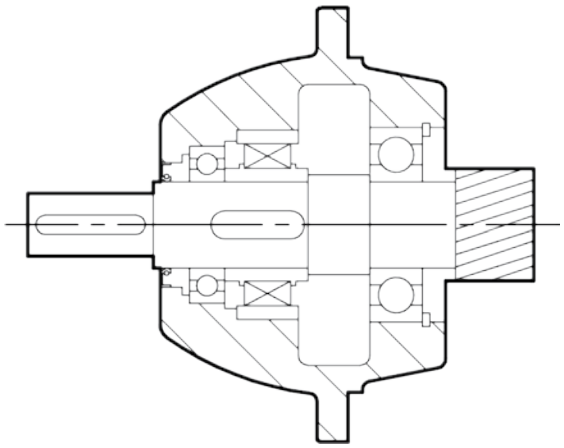
REDUCER BACKSTOP MODULE

The reducer units listed below can be fitted with an internal backstop, this has no effect of the external unit size. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (rev/min). To ensure correct operation input speed must exceed lift off speed.

Suitable for ambient temperature -40ºF to + 122ºF

Column 10 Entry

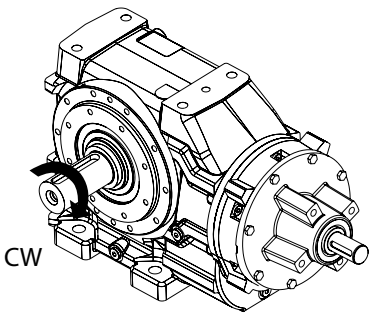
For reducer fan kit modules enter [W] for CCW rotation (or [Z] if used in conjunction with a fan kit)
[X] for CW rotation (or [Y] if used in conjunction with a fan kit)



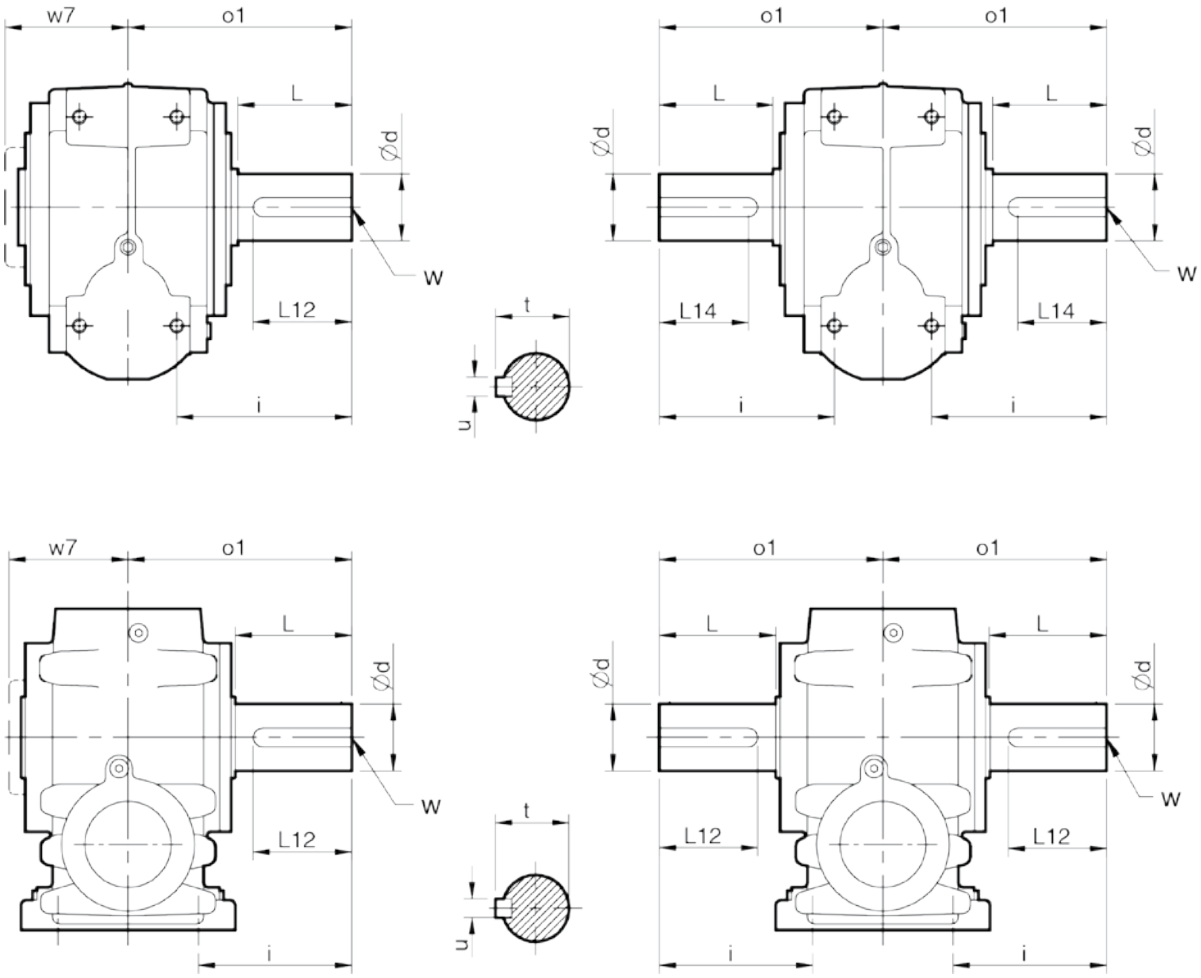
Unit Size	Lift off Speed at inputshaft (rev/min)	Rated Locking Torque ('T max') at inputshaft (lb-in)
C0622/C0842/C0941	800	885
C0722/C1041	670	1500
C0822	670	2650
C0921	620	8300
C1021	550	11000

Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise

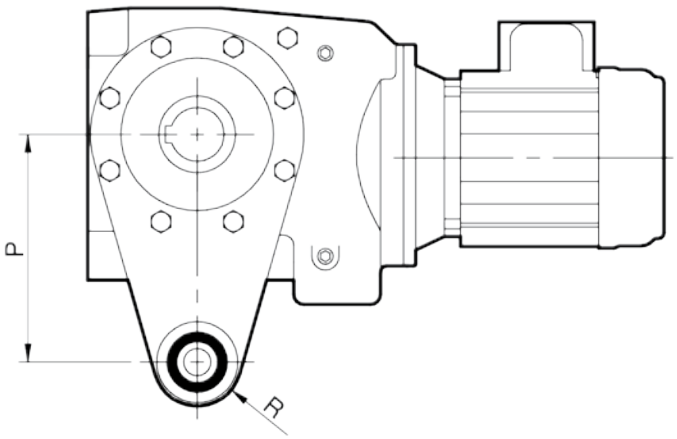


STANDARD DOUBLE EXTENDED OUTPUTSHAFT OPTION



Size	ød	i	L	L12	o1	t	u	w	w7
C03	0.750/0.749	2.87	1.38	1.28	3.94	0.83	.19	1/4” UNF	2.75
C04	1.000/0.999	3.43	1.81	1.69	4.53	1.10	.25	1/4” UNF	2.95
C05	1.250/1.249	3.94	2.36	2.12	5.27	1.36	.25	3/8” UNF	3.10
C06	1.375/1.374	4.72	2.48	2.34	6.30	1.51	.32	1/2” UNF	4.00
C06 Heavy Duty	1.750/1.749	6.10	3.86	3.75	3.68	1.92	.37	5/8” UNF	4.00
C07	1.750/1.749	4.72	2.99	2.62	7.68	1.92	.37	5/8” UNF	5.00
C08	2.375/2.374	6.10	4.72	4.12	10.04	2.64	.63	3/4” UNF	5.62
C08 Double ext	2.312/2.311	6.10	4.72	4.12	10.04	2.58	.63	3/4” UNF	5.62
C09	2.875/2.874	6.69	5.12	4.50	11.61	3.20	.75	3/4” UNF	6.70
C09 Double ext	2.687/2.686	6.69	5.12	4.50	11.61	2.96	.63	3/4” UNF	6.70
C10	3.625/3.624	8.50	6.69	5.87	14.41	4.00	.87	1” UNF	7.80
C10 Double ext	3.187/3.186	8.50	6.69	5.87	14.41	3.52	.75	1” UNF	7.80

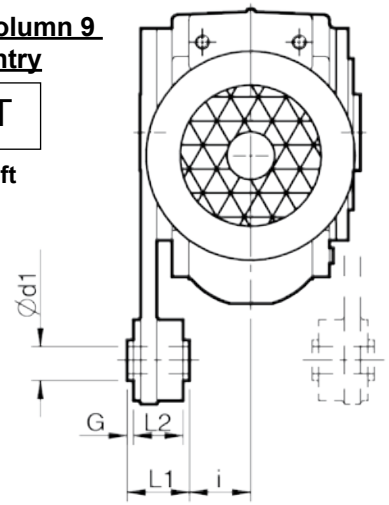
It is recommended that the torque arm is positioned such that the it is fitted on the side of the unit adjacent to the driven machine.



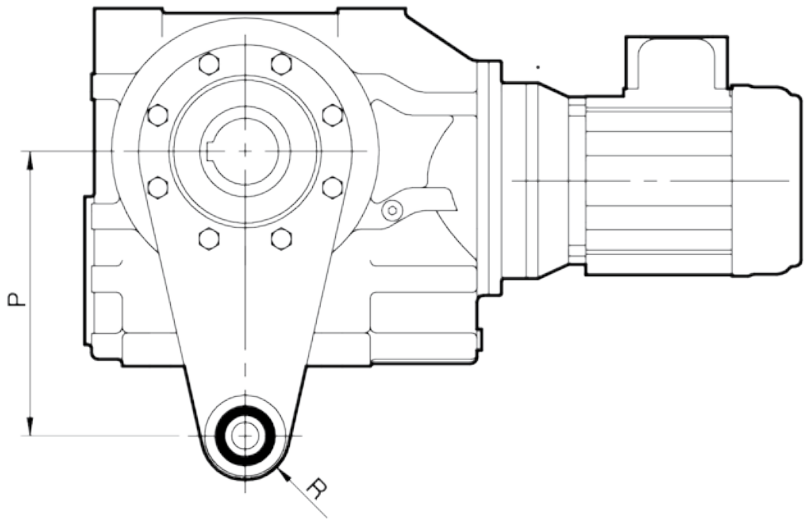
Column 9 Entry

T
Left

Q
Right



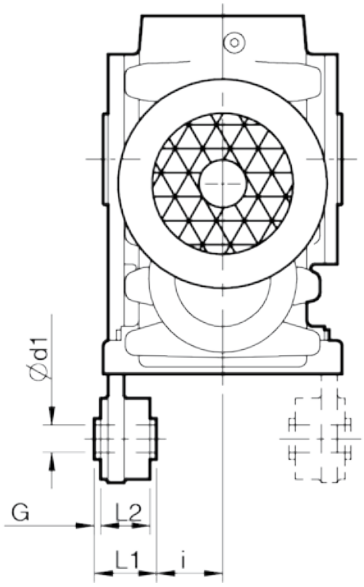
Size	d1	G	i	L1	L2	P	R
C03	0.41	0.08	1.85	1.42	1.26	4.33	0.91
C04	0.41	0.08	2.05	1.42	1.26	5.12	0.91
C05	0.41	0.08	2.05	1.42	1.26	6.30	0.91
C06	0.64	0.08	2.81	1.73	1.26	7.87	1.50



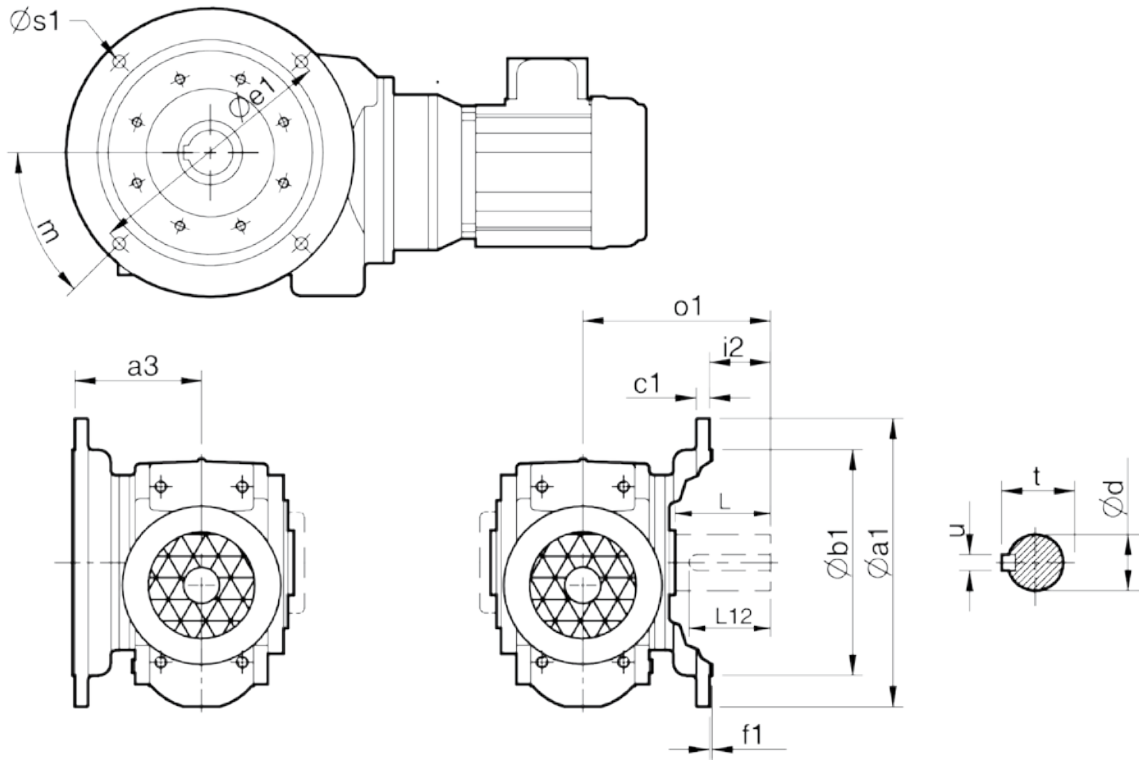
Column 9 Entry

T
Left

Q
Right



Size	ød1	G	i	L1	L2	P	R
C07	0.64	0.08	3.05	2.36	2.20	9.84	1.50
C08	0.64	0.08	3.37	2.36	2.20	12.20	1.50
C09	0.98	0.08	3.85	3.15	2.76	14.96	1.79
C10	0.98	0.08	5.39	3.15	2.76	16.93	1.79



Column 9 Entry

F B5 (D) Output Flange on Left

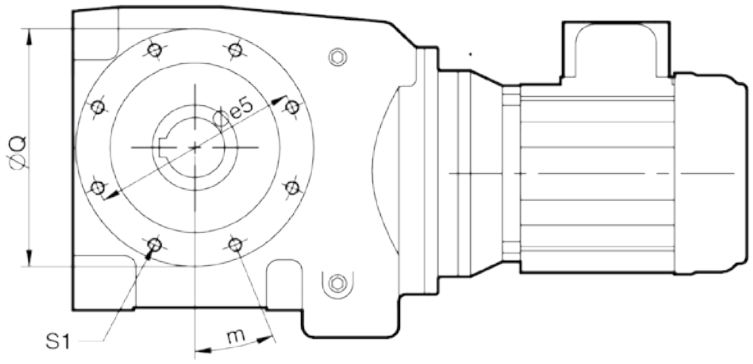
Column 9 Entry

H B5 (D) Output Flange on Right

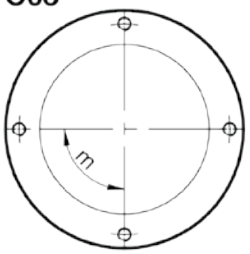
Size	øa1	a3	øb1	c1	øe1	f1	m	øs1
C03 Red Dia	4.72	2.95	3.15 j6	0.31	3.94	0.12	45°	0.26
C03	6.30	2.95	4.33 j6	0.40	5.12	0.16	45°	0.35
C04	6.30	3.39	4.33 j6	0.40	5.12	0.14	45°	0.35
C05	7.87	4.21	5.12 j6	0.47	6.50	0.14	45°	0.43
C06	7.87	4.72	5.12 j6	0.47	6.50	0.14	45°	0.43
C07	9.84	5.71	7.09 j6	0.47	8.46	0.16	45°	0.55
C08	13.78	6.69	9.84 h6	0.71	11.81	0.20	45°	0.71
C09	17.72	7.87	13.78 h6	0.79	15.75	0.20	22.5°	0.71
C10	17.72	9.13	13.78 h6	0.87	15.75	0.20	22.5°	0.71

Size	ød	i 2	L	L12	o	t	u	v
C03	0.750/0.749	0.98	1.38	1.28	3.94	0.83	0.19	1/4” UNF
C04	1.000/0.999	1.14	1.81	1.69	4.53	1.1	0.25	1/4” UNF
C05	1.250/1.249	1.06	2.36	2.12	5.27	1.36	0.25	3/8” UNF
C06	1.375/1.374	1.57	2.48	2.34	6.30	1.51	0.32	1/2” UNF
C06 Heavy Duty	1.750/1.749	2.95	3.86	3.75	7.68	1.92	0.37	5/8” UNF
C07	1.750/1.749	1.97	2.99	2.62	7.68	1.92	0.37	5/8” UNF
C08	2.375/2.374	3.35	4.72	4.12	10.04	2.64	0.63	3/4” UNF
C09	2.875/2.874	3.74	5.12	4.50	11.61	3.20	0.75	3/4” UNF
C10	3.625/3.624	5.28	6.69	5.87	14.41	4.00	0.87	1” UNF

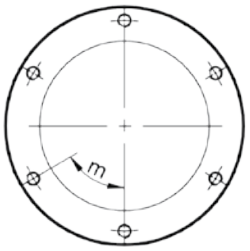
C04, C05, C06, C08



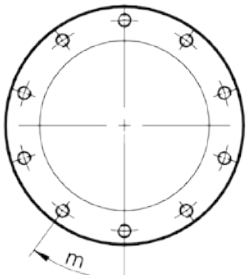
C03

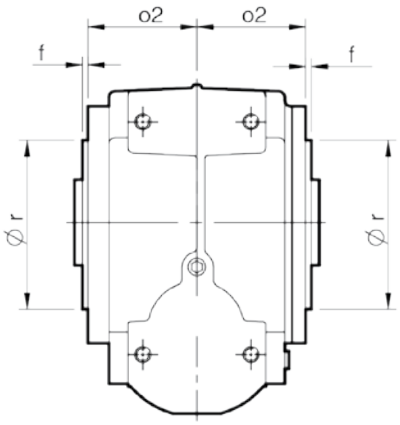


C07, C09

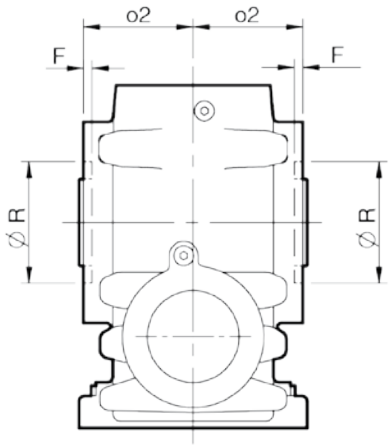


C10





C03 - C06
Male spigot

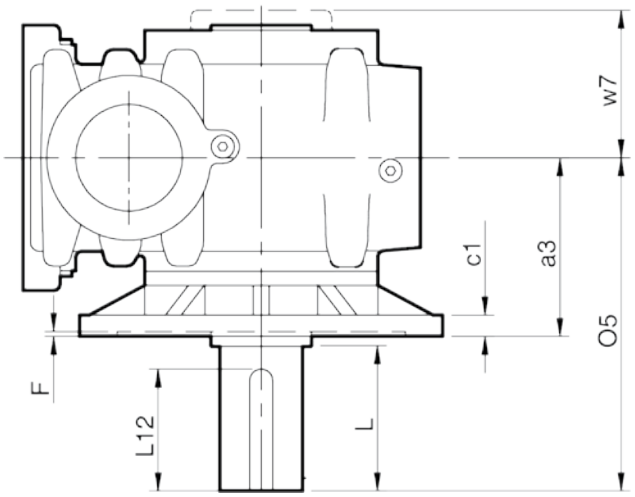


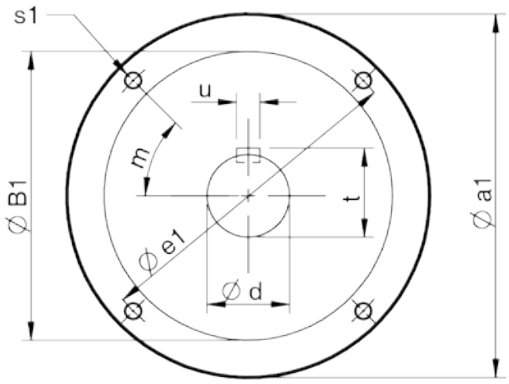
C07 - C10
Female recess

SIZE	øe5	f	F	m	o2	Q	ør (h7)	øR (H7)	S1	F
C03	3.54 pcd	0.16	-	90º	2.24	4.17	2.76	-	4 Holes M8 0.87 Deep	-
C04	4.21 pcd	0.16	-	22.5º	2.24	4.80	3.35	-	8 Holes M8 0.87 Deep	-
C05	5.12 pcd	0.16	-	22.5º	2.44	5.75	4.13	-	8 Holes M8 0.87 Deep	-
C06	6.10 pcd	0.20	-	22.5º	3.19	6.89	4.92	-	8 Holes M8 1.00 Deep	-
C07	5.91 pcd	-	0.18	60º	4.09	7.09	-	5.12	6 Holes M8 0.87 Deep	0.18
C08	7.68 pcd	-	0.20	22.5º	4.72	8.66	-	5.91	8 Holes M8 0.87 Deep	0.20
C09	9.06 pcd	-	0.20	60º	5.67	11.02	-	7.09	6 Holes M8 1.00 Deep	0.20
C10	11.02 pcd	-	0.28	36º	6.57	14.17	-	8.27	10 Holes M8 1.00 Deep	0.28

AGITATOR - Non Standard Special Build.

Please consult our Application Engineers

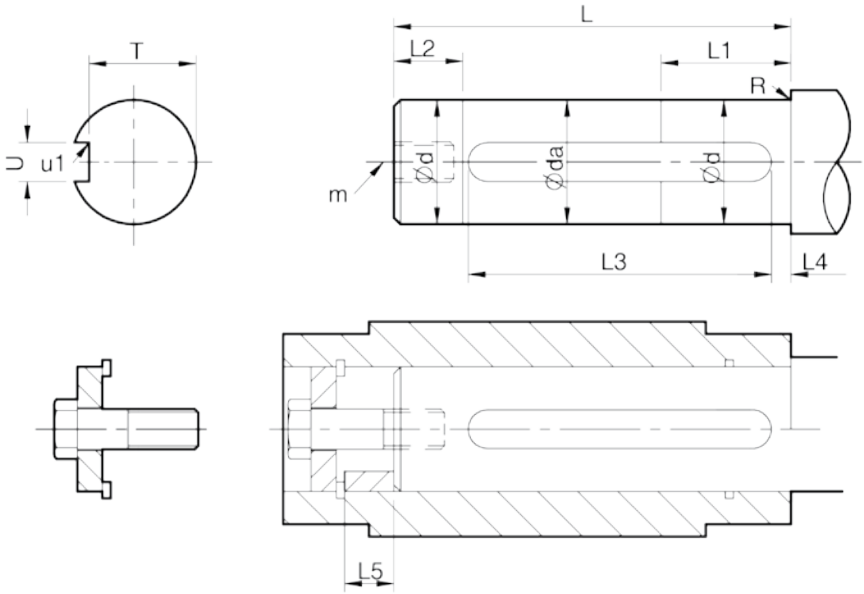




C

Size	a1	a3	B1 (H7)	c1	d (m6)	e1	F	L	L12	m	O5	S	t	u	w7
C07	11.81	6.30	9.06	0.63	2.50	10.43	0.24	4.92	4.53	45°	11.42	(4) ø 0.60	2.77	0.625	4.92
C08	13.78	7.09	9.84	0.67	3.00	11.81	0.28	5.51	5.12	45°	12.80	(4) ø 0.75	3.33	0.75	5.63
C09	15.75	7.87	11.81	0.79	3.50	13.78	0.28	6.10	5.71	45°	14.17	(4) ø 0.75	3.88	0.875	6.65
C10	17.72	8.35	13.78	0.87	4.00	15.75	0.28	6.89	6.50	22.5°	15.43	(8) ø 0.75	4.44	1.00	7.80

ASSEMBLY ONTO SHAFT - CUSTOMERS SHAFT DETAIL



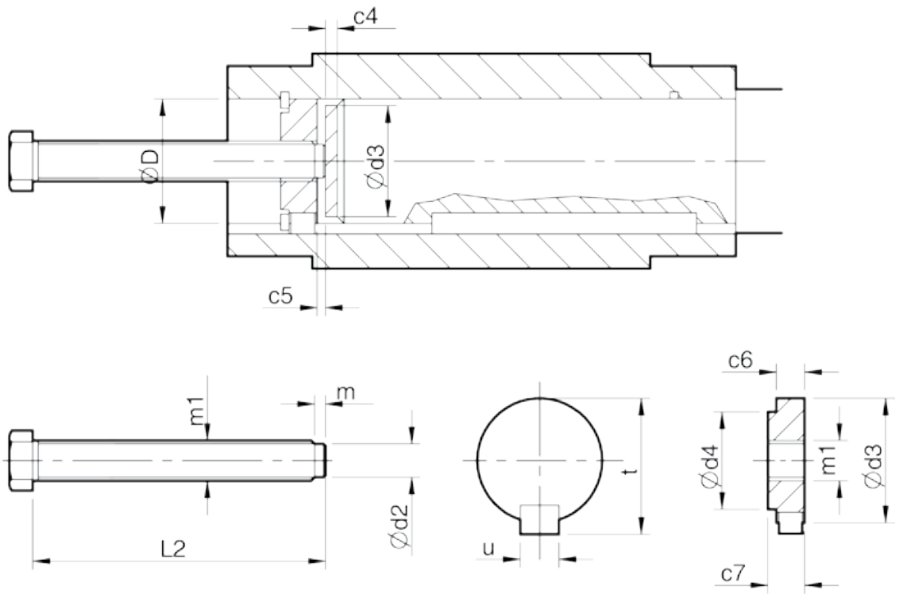
Size	d	da	L	L1	L2	L3	L4	L5	m	N	R	T	u	u1
C03	0.7497 0.7492	0.73	3.73	1.18	0.40	2.75	0.13	0.87	1/4 UNF	70lb.in	0.03R	0.644 0.638	0.188 0.187	0.03R
C04	1.2486 1.2480	1.23	3.90	1.77	0.60	3.13	0.13	1.02	3/8 UNF	130lb.in	0.03R	1.11 1.10	0.250 0.249	0.03R
C05	1.3746 1.3740	1.36	4.09	2.09	0.71	3.50	0.13	0.91	1/2 UNF	170lb.in	0.03R	1.20 1.19	0.312 0.311	0.03R
C06	1.4996 1.4990	1.48	4.92	2.68	0.91	4.00	0.13	1.22	5/8 UNF	400lb.in	0.03R	1.29 1.28	0.375 0.374	0.03R
C07	2.0000 1.9968	1.98	6.02	3.53	1.18	5.63	0.13	1.50	5/8 UNF	400lb.in	0.05R	1.72 1.71	0.500 0.499	0.05R
C08	2.3750 2.3741	2.35	7.20	4.13	1.38	6.88	0.13	1.46	3/4 UNF	750lb.in	0.05R	2.02 2.01	0.625 0.624	0.05R
C09	2.7500 2.7491	2.73	8.94	5.31	1.77	8.63	0.13	1.28	3/4 UNF	750lb.in	0.05R	2.40 2.39	0.625 0.624	0.05R
C10	3.2500 3.2488	3.23	12.81	5.91	1.77	12.00	0.40	1.81	1 UNF	1700lb.in	0.05R	2.83 2.82	0.750 0.749	0.05R

For Dimensions for Metric Bore Units - consult Application Engineering

Assembly Instructions

1. Spray the hollow shaft bore and mating diameter of the output shaft with Rocol DFSM or equivalent anti scuffing spray.
2. Fit key into shaft.
3. Fit the circlip into the output sleeve.
4. Fit the spacer tube only if the output shaft has no shoulder, then fit the output shaft into the output sleeve.
5. Secure in place with the washer and bolt. Torque tighten to the values stated in column N of the above table.
6. Fit protective cover.

DISASSEMBLY METHOD FROM SHAFT



*PARTS SUPPLIED BY CUSTOMER

Size	c4	c6	c7	D (H7)	d2	d3	d4	l2	m	m1	t	u
C03	0.20	0.40	0.50	0.75	0.3	0.745	0.45	4.75	0.12	3/8" UNF	0.63	0.187
C04	0.20	0.60	0.65	1.25	0.5	1.245	0.88	6.50	0.12	5/8" UNF	1.10	0.25
C05	0.20	0.60	0.65	1.375	0.5	1.370	1.00	6.50	0.12	5/8" UNF	1.19	0.312
C06	0.20	0.80	0.90	1.50	0.85	1.495	1.13	8.75	0.12	1" UNF	1.28	0.375
C07	0.31	1.00	1.10	2.00	1.05	1.995	1.59	10.00	0.20	1 1/4" UNF	1.71	0.500
C08	0.31	1.00	1.10	2.375	1.05	2.370	1.90	12.25	0.20	1 1/4" UNF	2.01	0.625
C09	0.31	1.00	1.10	2.75	1.05	2.745	2.18	14.50	0.20	1 1/4" UNF	2.39	0.625
C10	0.31	1.20	1.30	3.25	1.30	3.245	2.65	17.00	0.20	1 1/2" UNF	2.82	0.700

BASE MOUNT UNITS WITH STANDARD HOLLOW SHAFT

WEIGHT'S (LB's) FOR STANDARD UNITS WITH HOLLOW SHAFT.

For units with Solid Output Shaft - Add the Weight of Shaft

UNIT SIZE AND TYPE			C0321	C0331	C0341	C0421	C0431	C0441	C0521	C0531	C0541	C0621	C0631	C0641	C0721	C0731	C0741	C0821	C0841	C0921	C0941	C1021	C1041
Reducer Version			25	33	45	34	42	52	42	50	62	76	88	101	163	179	185	260	310	400	460	635	720
Output Shaft			1			2.2			3.3			7			15			26		41		66	
MOTORIZED UNITS	56C	Without Motor	27	34	44	33	41	53	38	46	64	70	83	97	157	178	183	266	315	-	450	-	820
		Including Motor	52	59	69	58	66	78	63	71	89	95	108	122	182	203	208	291	340	-	475	-	845
	143TC	Without Motor	27	34	44	33	41	53	38	46	64	70	83	97	157	178	183	266	315	-	450	-	820
		Including Motor	57	64	74	63	71	83	68	76	94	100	113	127	187	208	213	296	345	-	480	-	850
	145TC	Without Motor	27	34	44	33	41	53	38	46	64	70	83	97	157	178	183	266	315	-	450	-	820
		Including Motor	67	74	84	73	81	93	78	86	104	110	123	137	197	218	223	306	355	-	490	-	860
	182TC	Without Motor	29	37	-	36	44	-	41	49	-	85	86	-	170	193	-	266	320	396	460	612	825
		Including Motor	84	92	-	91	99	-	96	104	-	140	141	-	225	248	-	321	375	451	515	667	880
	184TC	Without Motor	29	37	-	36	44	-	41	49	-	85	86	-	170	193	-	266	320	396	460	612	825
		Including Motor	106	114	-	113	121	-	118	126	-	162	163	-	247	270	-	343	397	473	537	689	880
	213TC	Without Motor	-	-	-	-	-	-	-	-	-	85	-	-	170	193	-	266	320	396	460	612	825
		Including Motor	-	-	-	-	-	-	-	-	-	201	-	-	286	309	-	382	436	512	576	728	941
	215TC	Without Motor	-	-	-	-	-	-	-	-	-	85	-	-	170	193	-	266	320	396	460	612	825
		Including Motor	-	-	-	-	-	-	-	-	-	242	-	-	327	-	-	423	477	553	617	769	982
	254TC	Without Motor	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	266	-	412	-	631	-
		Including Motor	-	-	-	-	-	-	-	-	-	-	-	-	453	-	-	549	-	695	-	914	-
	256TC	Without Motor	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	266	-	412	-	631	-
		Including Motor	-	-	-	-	-	-	-	-	-	-	-	-	476	-	-	572	-	718	-	937	-
	284TC	Without Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	417	-	636	-
		Including Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	846	-	1065	-
	286TC	Without Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	417	-	636	-
		Including Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	863	-	1082	-
	324TC	Without Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	421	-	650	-
		Including Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	944	-	1173	-
	326TC	Without Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	421	-	650	-
		Including Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1071	-	1300	-

ALL WEIGHTS IN LB'S ALL WEIGHTS EXCLUDE LUBRICANT AND ARE FOR STANDARD SHAFT MOUNT UNITS, FOR BASE MOUNT UNITS ADD WEIGHT OF SHAFT (SHOWN AT TOP OF TABLE) TO THE FIGURES SHOWN ABOVE

C

IMPORTANT

Product Safety Information

General - The following information is important in ensuring safety. It **must** be brought to the attention of personnel involved in the selection of the equipment, those responsible for the design of the machinery in which it is to be incorporated and those involved in its installation, use and maintenance.

The equipment will operate safely provided it is selected, installed, used and maintained properly. As with any power transmission equipment **proper precautions must** be taken as indicated in the following paragraphs, to ensure safety.

Potential Hazards - these are **not** necessarily listed in any order of severity as the degree of danger varies in individual circumstances. It is important therefore that the list is studied in its entirety:-

1) Fire/Explosion
   (a) Oil mists and vapour are generated within gear units. It is therefore dangerous to use naked lights in the proximity of gearbox openings, due to the risk of fire or explosion.
   (b) In the event of fire or serious overheating (over 300 °C), certain materials (rubber, plastics, etc.) may decompose and produce fumes. Care should be taken to avoid exposure to the fumes, and the remains of burned or overheated plastic/rubber materials should be handled with rubber gloves.

2) Guards - Rotating shafts and couplings must be guarded to eliminate the possibility of physical contact or entanglement of clothing. It should be of rigid construction and firmly secured.

3) Noise - High speed gearboxes and gearbox driven machinery may produce noise levels which are damaging to the hearing with prolonged exposure. Ear defenders should be provided for personnel in these circumstances. Reference should be made to the Department of Employment Code of Practice for reducing exposure of employed persons to noise.

C

4) Lifting - Where provided (on larger units) only the lifting points or eyebolts must be used for lifting operations (see maintenance manual or general arrangement drawing for lifting point positions). Failure to use the lifting points provided may result in personal injury and/or damage to the product or surrounding equipment. Keep clear of raised equipment.

5) Lubricants and Lubrication
   (a) Prolonged contact with lubricants can be detrimental to the skin. The manufacturer's instruction must be followed when handling lubricants.
   (b) The lubrication status of the equipment must be checked before commissioning. Read and carry out all instructions on the lubricant plate and in the installation and maintenance literature. Heed all warning tags. Failure to do so could result in mechanical damage and in extreme cases risk of injury to personnel.

6) Electrical Equipment - Observe hazard warnings on electrical equipment and isolate power before working on the gearbox or associated equipment, in order to prevent the machinery being started.

7) Installation, Maintenance and Storage
   (a) In the event that equipment is to be held in storage, for a period exceeding 6 months, prior to installation or commissioning, application engineering must be consulted regarding special preservation requirements. Unless otherwise agreed, equipment must be stored in a building protected from extremes of temperature and humidity to prevent deterioration.

   The rotating components (gears and shafts) must be turned a few revolutions once a month (to prevent bearings brinelling).
   (b) External gearbox components may be supplied with preservative materials applied, in the form of a "waxed" tape overwrap or wax film preservative. Gloves should be worn when removing these materials. The former can be removed manually, the latter using white spirit as a solvent.

   Preservatives applied to the internal parts of the gear units do not require removal prior to operation.
   (c) Installation must be performed in accordance with the manufacturer's instructions and be undertaken by suitably qualified personnel.
   (d) Before working on a gearbox or associated equipment, ensure that the load has been removed from the system to eliminate the possibility of any movement of the machinery and isolate power supply. Where necessary, provide mechanical means to ensure the machinery cannot move or rotate. Ensure removal of such devices after work is complete.
   (e) Ensure the proper maintenance of gearboxes in operation. Use only the correct tools and approved spare parts for repair and maintenance. Consult the Maintenance Manual before dismantling or performing maintenance work.

8) Hot Surfaces and Lubricants
   (a) During operation, gear units may become sufficiently hot to cause skin burns. Care must be taken to avoid accidental contact.
   (b) After extended running the lubricant in gear units and lubrication systems may reach temperatures sufficient to cause burns. Allow equipment to cool before servicing or performing adjustments.

9) Selection and Design
   (a) Where gear units provide a backstop facility, ensure that back-up systems are provided if failure of the backstop device would endanger personnel or result in damage.
   (b) The driving and driven equipment must be correctly selected to ensure that the complete machinery installation will perform satisfactorily, avoiding system critical speeds, system torsional vibration, etc.
   (c) The equipment must not be operated in an environment or at speeds, powers, torques or with external loads beyond those for which it was designed.
   (d) As improvements in design are being made continually the contents of this catalogue are not to be regarded as binding in detail, and drawings and capacities are subject to alterations without notice.

The above guidance is based on the current state of knowledge and our best assessment of the potential hazards in the operation of the gear units.

Any further information or clarification required may be obtained by contacting an Application Engineer.

radicon

An Elecon Group Company

Series A Junior Worm Gear

AJ

SERIES AJ
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REDUCER

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INSTALLATION AND MAINTENANCE

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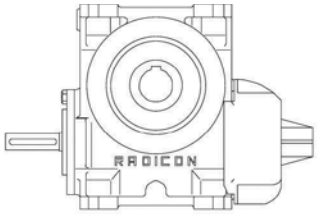
Single Reduction Units (worm)
Series A Junior is offered in unit sizes 280, 410, 510, 610, 730 and 860 based on a single universal case for each size, giving a high degree of common parts and interchangeability. Units can be mounted in the underdriven, over driven and vertical mounting positions and provide a choice of shaft arrangements for either motorised or reducer versions. Motors can be close coupled in frame sizes 56C to 215TC in powers from 0.25 HP to 10 HP.

All units are designed with hollow output bores, output shafts can be fitted allowing handing to be changed without dismantling the unit. Double extended output shafts are also available.

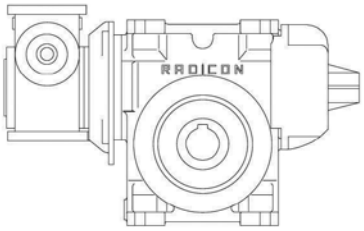
Series A Junior gives a choice of 12 standard ratios from 5/1 to 70/1 and important features include high efficiencies and load carrying capacities combined with long life and reliability.

All units are lubricated for life to reduce maintainance to a minimum.



Single Reduction Units (worm)

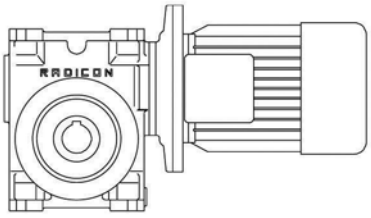
Double Reduction Units (worm/worm)
These units consist of a standard single reduction unit with a smaller shaft mounted Radicon fitted to the input shaft. The range extends the ratios available up to the maximum of 4200/1 making them ideal for fitting to slow moving machinery.



Double Reduction Units (worm/worm)

As with the single reduction units they are available in underdriven, over-driven and vertical types, foot mounting and shaft mounting. All lubricated for life.

Motorized Units
Units are designed to be close coupled with standard dimension NEMA motors. Units are also available to accept standard dimension IEC motors (consult application engineering).

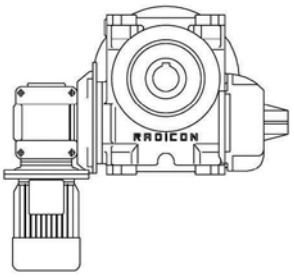


Motorized Single Reduction Units (worm)

Lubricated for life - fit and forget
Series A Junior units are factory filled with synthethic lubricant which means.

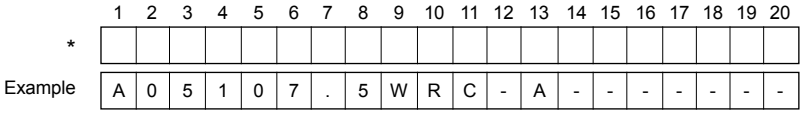
- no oil level checks, topping up, draining or re-filling
- no routine maintenance or danger of starting up without lubricant
- they will mount in any location, however inaccesible
- they are particularly suitable for locations where non contamination through leakage is essential.

For units running at input speeds below 500 rev/min with either the input or output shaft vertical, also for the second stage of all double reduction units irrespective of shaft disposition the lubricant level is simply increased - see lubrication instructions.



Motorized Double Reduction Units (worm/worm)

As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.



1 - SERIES A

Range [A]

2-4 - SIZE OF UNIT

eg [0][5][1]

5 - REVISION VERSION

[0] ETC

6,7,8 - NOMINAL OVERALL RATIO

eg [7][.][5]

[5][0][.]

SEE PAGE 10

9 - UNIT VERSION

- [W] - STANDARD UNIT
- [F] - STANDARD UNIT WITH OUTPUT FLANGE
- [T] - STANDARD UNIT WITH TORQUE ARM
- [G] - FEET SIDE MOUNTING
- [H] - FEET END MOUNTING

10 - TYPE OF UNIT

- [R] - REDUCER UNIT - SINGLE REDUCTION
- [D] - REDUCER UNIT - DOUBLE REDUCTION
- [M] - MOTORIZED - SINGLE REDUCTION
- [G] - UNIT TO ALLOW FITTING OF NON DB RADICON MOTOR - SINGLE REDUCTION
- [A] - UNIT TO ALLOW FITTING OF NEMA MOTOR - SINGLE REDUCTION
- [N] - MOTORIZED - DOUBLE REDUCTION
- [H] - UNIT TO ALLOW FITTING OF NON DB RADICON MOTOR - DOUBLE REDUCTION
- [B] - UNIT TO ALLOW FITTING OF NEMA MOTOR - DOUBLE REDUCTION

11 - OUTPUT SHAFT

- [N] - STANDARD INCH SINGLE EXTENSION
- [P] - STANDARD INCH DOUBLE EXTENSION
- [A] - STANDARD INCH SHAFT MOUNTED
- [C] - METRIC SINGLE EXTENSION
- [D] - METRIC DOUBLE EXTENSION
- [H] - METRIC SHAFT MOUNTED

SEE PAGE 13

12 - MOTOR ADAPTOR FOR G OR A TYPE UNIT

SEE PAGE 14

FOR ALL OTHER TYPES ENTER [-]

13, 14 - MOUNTING POSITION

eg [E][2] SEE PAGE 9-11

15, 16, 17 - GEARED MOTOR

MOTOR POWER REQUIRED

eg [.][7][5] SEE PAGE 18-26

FOR R OR G TYPE

ENTER [-][-][-]

18 - NO OF MOTOR POLES

[2][4] OR [6] SEE PAGE 18-26

FOR R OR G TYPE ENTER [-]

19 - MOTOR REQUIRED

eg [-][F]

FOR R OR G TYPES WITHOUT MOTOR ENTER [-]

FOR SLOW SPEED APPLICATIONS WHERE GREATER OIL QUANTITIES ARE REQUIRED

ENTER [D]

20 - ADDITIONAL FEATURES

PAINT, LUBRICANT, ETC

eg [-][F] SEE PAGE 14

AJ

* THIS PAGE MAY BE PHOTOCOPIED ALLOWING THE CUSTOMER TO ENTER THEIR ORDER

EXPLANATION & USE OF RATINGS & SERVICE FACTORS

Gear unit selection is made by comparing actual loads with catalogue ratings. Catalogue ratings are based on a standard set of loading conditions, whereas actual load conditions vary according to type of application. Service Factors are therefore used to calculate an equivalent load to compare with catalogue ratings. i.e. Equivalent Load = Actual Load x Service Factor

Two types of Service Factor must be considered:- Mechanical Service Factor Fm and Thermal Service Factors Ft, Fp and FD

Mechanical ratings and service factor FM

Mechanical ratings measure capacity in terms of life and/or strength, assuming 10 hr/day continuous running under uniform load conditions.

Catalogue ratings allow for an 100% overload at starting, braking or momentarily during operation on aggregate once per hour for each hour of operation.

The unit selected must therefore have a catalogue rating at least equal to half maximum overload.

Mechanical Service Factor Fm (Table 1) is used to modify the actual load according to daily operating time, and type of loading.

Load characteristics for a wide range of applications are detailed in Table 5 opposite, which are used in deciding the appropriate Service Factor Fm from Table 1.

If overloads can be calculated, or accurately assessed, actual loads should be used instead of Fm.

For units subject to frequent stop/start overloads in excess of 10 times per day, refer to application engineering.

For applications where high inertia loads are involved e.g. crane travel drives, slewing motion etc., unit selection should be referred to application engineering.

Table 1. Mechanical service factor Fm

Prime mover	Duration of service hrs per day	Load classification-driven machine		
		Uniform	Moderate Shock	Heavy Shock
Electric motor, steam turbine or hydraulic motor	Under 3	0.80	0.80	0.80
	3 to 10	1.00	1.00	1.00
	Over 10	1.25	1.25	1.25
Multi-cylinder internal combustion engine	Under 3	1.00	1.00	1.00
	3 to 10	1.25	1.25	1.25
	Over 10	1.50	1.50	1.50
Single cylinder internal combustion engine	Under 3	1.25	1.25	1.25
	3 to 10	1.50	1.50	1.50
	Over 10	1.75	1.75	1.75

Thermal ratings and service factors

The Thermal ratings are a measure of the gear units ability to dissipate heat. If they are exceeded the lubricant may overheat and breakdown, resulting in gear failure.

Thermal factors are for units with fans fitted, un-fanned units to be referred to DB Radicon Applications department.

Catalogue thermal limitations are based on the unit operating continuously in an environment with an ambient temperature equal to 68oF and in mounting position A, B or C. The thermal rating is affected by ambient temperature, duration of running per hour and mounting position. To account for these varying conditions, the service factors given in tables 2,3 and 4 should be applied to the catalogue thermal ratings as follows:-

Ptherm = (Pt x Ft x Fp x Fd x efficiency) / 100

Pt = Catalogue input power thermal rating (HP)
Ptherm = Allowable output power thermal rating (HP)
Ft = Service factor for ambient temperature (see Table 2)
Fp = Service factor for different mounting positions (see Table 3)
Fd = Thermal service factor for duration of running (see Table 4)

Table 2. Thermal service factor Ft

Ambient temperature °F	-20	0	20	40	60	68	80	100	120
Factor Ft	1.64	1.50	1.36	1.22	1.07	1.00	0.92	0.77	0.63

Table 3. Thermal service factor Fp (Single Reduction units)

Output Speed (Rev / min)	Mounting Position (See pages 9 and 10)			
	ABC	DEF	GHJ KMN	PST WXY
0 to 100	1.0	1.0	1.0	Refer to Application Engineering
>100 to 200	1.0	1.0	1.0	
>200 to 300	1.0	1.0	1.0	
>300 to 400	1.0	1.0	1.0	
>400 to 500	1.0	1.0	1.0	
>500 to 600	1.0	1.0	1.0	
>600 to 700	1.0	1.0	1.0	
>700	1.0	1.0	1.0	

Table 4. Thermal service factor Fd

Input shaft speed (Rev/min)	Unit Size	% Running time per hour					
		>60	>50-60	>40-50	>30-40	>20-30	>20
250	280-610	1.0	1.46	1.72	1.96	2.32	2.86
	730	1.0	1.44	1.52	1.92	2.26	2.75
	860	1.0	1.46	1.72	1.96	2.32	2.86
500	280-610	1.0	1.46	1.72	1.96	2.32	2.86
	730	1.0	1.38	1.56	1.75	2.02	2.38
	860	1.0	1.46	1.72	1.96	2.32	2.86
875	280-610	1.0	1.46	1.72	1.96	2.32	2.86
	730	1.0	1.34	1.47	1.64	1.84	2.16
	860	1.0	1.41	1.60	1.79	2.07	2.45
1160	280-610	1.0	1.46	1.72	1.96	2.32	2.86
	730	1.0	1.30	1.43	1.56	1.75	2.05
	860	1.0	1.37	1.54	1.72	1.96	2.32
1450	280-610	1.0	1.46	1.72	1.96	2.32	2.86
	730	1.0	1.28	1.39	1.52	1.69	1.97
	860	1.0	1.34	1.50	1.66	1.88	2.21
1750	280-610	1.0	1.46	1.72	1.96	2.32	2.86
	730	1.0	1.26	1.36	1.47	1.63	1.89
	860	1.0	1.32	1.46	1.61	1.81	2.14
2400	280-610	1.0	1.46	1.72	1.96	2.32	2.86
	730	1.0	1.22	1.30	1.39	1.53	1.75
	860	1.0	1.30	1.42	1.55	1.75	2.03
3500	280-610	1.0	1.46	1.72	1.96	2.32	2.86
	730	1.0	1.13	1.23	1.30	1.41	1.58
	860	1.0	1.24	1.34	1.45	1.61	1.85

Double Reduction Units

For double reduction units the factors given in tables 2 and 4 apply. The input shaft speed referred to in table 4 should now be the input speed of the primary unit. New factors should be applied for mounting position (Fp), which refer to the position of the primary unit.

i Inputshaft horizontal and wheel- line horizontal Fp = 1.0
ii Inputshaft horizontal and wheel-line vertical Fp = 0.88
iii Inputshaft vertical and wheel-line horizontal Fp = 0.68

General

When selecting units, use actual load required to be transmitted, not rating of prime mover. Wherever possible use required output torque (lb-in). Catalogue also gives input power rating (HP), being the power required from prime mover allowing for gear unit efficiency. When units transmit less than rated output torque, required input power may be reduced pro-rata to decide capacity of prime mover.

Table 3

U = Uniform load

M = Moderate shock load

H = Heavy shock load

† = Refer to Application Engineering

Driven Machine	type of load
Agitators	
pure liquids	U
liquids and solids	M
liquids-variable density	M
Blowers	
centrifugal	U
lobe	M
vane	U
Brewing and distilling	
bottling machinery	M
brew kettles-continuous duty	M
cookers-continuous duty	M
mash tubs-continuous duty	M
scale hopper-frequent starts	M
Can filling machines	M
Cane knifes	M
Car dumpers	H
Car pullers	M
Clarifiers	U
Classifiers	M
Clay working machinery	
brick press	H
briquette machine	H
clay working machinery	M
pug mill	M
Compressors	
centrifugal	U
lobe	M
reciprocating	
multi-cylinder	M
single cylinder	H
Conveyors-uniformly loaded or fed	
apron	U
assembly	U
belt	U
bucket	U
chain	U
flight	U
oven	U
screw	U
Conveyors-heavy duty not uniformly fed	
apron	M
assembly	M
belt	M
bucket	M
chain	M
flight	M
live roll	†
oven	M
reciprocating	H
screw	M
shaker	H

Driven Machine	type of load
Cranes	
main hoists	†
bridge travel	†
trolley travel	†
Crusher	
ore	H
stone	H
sugar	H
Dredges	
cable reels	M
conveyors	M
cutter head drives	H
jig drives	H
maneuvering winches	M
pumps	M
screen drive	H
stackers	M
utility winches	M
Dry dock cranes	
main hoist	†
auxiliary hoist	†
boom, luffing	†
rotating, swing or slew	†
tracking, drive wheels	†
Elevators	
bucket-uniform load	U
bucket-heavy load	M
bucket-continuous	U
centrifugal discharge	U
escalators	U
freight	M
gravity discharge	U
man lifts	†
passenger	†
Fans	
centrifugal	U
cooling towers	
induced draft	†
forced draft	†
induced draft	M
large, mine, etc	M
large, industrial	M
light, small diameter	U
Feeders	
apron	M
belt	M
disc	U
reciprocating	H
screw	M
Food industry	
beef slicer	M
cereal cooker	U
dough mixer	M
meat grinders	M
Generators-not welding	U
Hammer mills	H
Hoists	
heavy duty	H
medium duty	M
skip hoist	M
Laundry washers	
reversing	M
Laundry tumblers	M
Line shafts	
driving processing equipment	M
light	U
other line shafts	U
Lumber industry	
barkers-hydraulic-mechanical	M
burner conveyor	M
chain saw and drag saw	H
chain transfer	H
craneway transfer	H
de-barking drum	H
edger feed	M
gang feed	M
green chain	M
live rolls	H
log deck	H

Driven Machine	type of load
log haul-incline	H
log haul-well type	H
log turning device	H
main log conveyor	H
off bearing rolls	M
planer feed chains	M
planer floor chains	M
planer tilting hoist	M
re-saw merry-go-round conveyor	M
roll cases	H
slab conveyor	H
small waste conveyor-belt	U
small waste conveyor-chain	M
sorting table	M
tipple hoist conveyor	M
tipple hoist drive	M
transfer conveyors	M
transfer rolls	M
tray drive	M
trimmer feed	M
waste conveyor	M
Machine tools	
bending roll	M
punch press-gear driven	H
notching press- belt driven	†
plate planers	H
tapping machine	H
other machine tools	
main drives	M
auxiliary drives	U
Metal mills	
draw bench carriage and main drive	M
pinch, dryer and scrubber rolls-reversing	†
slitters	M
table conveyors	
non-reversing	
group drives	M
individual drives	H
reversing	
wire drawing and flattening machine	M
wire winding machine	M
Mill-rotary type	
ball	H
cement kilns	H
dryers and coolers	H
kilns, other than cement	H
pebble	H
rod	
plain	H
wedge bar	H
tumbling barrels	H
Mixers	
concrete mixers -continuous	M
concrete mixers -intermittent	M
constant density	U
variable density	M
Oil industry	
chillers	M
oil well pumping	†
paraffin filter press	M
rotary kilns	M
Paper mills	
agitators, (mixers)	M
barker-auxiliaries-hydraulic	M †
barker-mechanical	H
barking drum	H
beater and pulper	M
bleacher	U
calenders	M
calenders-super	H
converting machine, except cutters, platers	M
conveyors	U
couch	M
cutters-plates	H
cylinders	M
dryers	M
felt stretcher	M
felt whipper	H
jordans	M

Driven Machine	type of load
log haul	H
presses	M
pulp machine reel	M
stock chest	M
suction roll	M
washers and thickeners	M
winders	M
Printing presses	†
Pullers	
barge haul	H
Pumps	
centrifugal	U
proportioning	M
reciprocating	
single acting; 3 or more cylinders	M
double acting; 2 or more cylinders	M
single acting; 1 or 2 cylinders	†
double acting; single cylinder	†
rotary	
gear type	U
lobe, vane	U
Rubber and plastics industries	
crackers	H
laboratory equipment	M
mixed mills	H
refiners	M
rubber calenders	M
rubber mill-2 on line	M
rubber mill-3 on line	M
sheeter	M
tire building machines	†
tire and tube press openers	†
tubers and strainers	M
warming mills	M
Sand muller	M
Sewage disposal equipment	
bar screens	U
chemical feeders	U
collectors	U
dewatering screws	M
scum breakers	M
slow or rapid mixers	M
thickeners	M
vacuum filters	M
Screens	
air washing	U
rotary-stone or gravel	M
travelling water intake	U
Slab pushers	M
Steering gear	†
Stokers	U
Sugar industry	
cane knives	M
crushers	M
mills	M
Textile industry	
batchers	M
calenders	M
cards	M
dry cans	M
dryers	M
dyeing machinery	M
knitting machines	†
looms	M
mangles	M
nappers	M
pads	M
range drives	†
slashers	M
soapers	M
spinners	M
tenter frames	M
washers	M
winders	M
Windlass	†

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EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine = 0.505 HP
Output speed of gearbox or Input speed of machine = 58 rev/min
Application = Uniformly loaded belt conveyor
Duration of service (hours per day) = 24hrs
Mounting position = D
Ambient temperature = 68°F
Running time (%) = 100%

1 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application, table 5, page 4

Application = Uniformly loaded belt conveyor

Conveyors-uniformly loaded or fed	
apron	U
assembly	U
belt	U
bucket	U
chain	U

U = Uniform load

Refer to mechanical service factor (Fm), table 1, page 3

Duration of service (hours per day) = 24hrs

Prime mover	Duration of service hrs per day	Load classification-drive	
		Uniform	Moderate Shock
Electric motor, steam turbine or hydraulic motor	Under 3	0.80	0.80
	3 to 10	1.00	1.00
	Over 10	1.25	1.25

Therefore mechanical service factor (Fm) = 1.25

2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUTSHAFT

Absorbed output torque = $\frac{\text{Absorbed power x 63025}}{\text{Gearbox output speed}}$

$\frac{0.505 \times 63025}{58}$ = 548lb.in

3 SELECT GEARED MOTOR

Refer to selection table one motor size larger than absorbed power.
Absorbed power = 0.505 HP, therefore refer to 0.75 HP selection table, page 21

Required output speed of gearbox = 58 rev/min

0.75 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
329	5.25	127	2.96	390	A 0 4 1 0 5 . 0 _ M _ - _ _ . 7 5 4 A _	49.3	56C	6 1 1 0 1 -	1.50
235	7.33	172	2.63	389	7 . 5				
164	10.50	239	2.31	380	10 .				
138	12.50	278	2.40	377	13 .				
119	14.50	316	2.31	370	15 .				
88	19.50	406	1.31	329	20 .				
69	25.00	478	1.68	234	25 .				
58	30.00	548	1.42	338	30 .				
43	40.00	667	0.91	129	40 .				

Go to point 4

4 CHECK OUTPUT TORQUE

Output torque of selected unit must be equal or more than required output torque at gearbox outputshaft.

Required output torque at gearbox outputshaft = 548 lb.in

0.75 HP

	N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
4 POLE	329	5.25	127	2.96	390	A 0 4 1 0 5 . 0 _ M _ - _ _ . 7 5 4 A _	49.3	56C	6 1 1 0 1 -	1.50
	235	7.33	172	2.63	389	7 . 5				
	164	10.50	239	2.31	380	10 .				
	138	12.50	278	2.40	377	13 .				
	119	14.50	316	2.31	370	15 .				
	88	19.50	406	1.31	329	20 .				
	69	25.00	478	1.68	234	25 .				
	58	30.00	548	1.42	338	30 .				
	43	40.00	667	0.91	129	40 .				

5 CHECK SERVICE FACTOR

Service factor (Fm) of selected unit must be equal or more than required service factor.

Required service factor of gearbox = 1.25

0.75 HP

	N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
4 POLE	329	5.25	127	2.96	390	A 0 4 1 0 5 . 0 _ M _ - _ _ . 7 5 4 A _	49.3	56C	6 1 1 0 1 -	1.50
	235	7.33	172	2.63	389	7 . 5				
	164	10.50	239	2.31	380	10 .				
	138	12.50	278	2.40	377	13 .				
	119	14.50	316	2.31	370	15 .				
	88	19.50	406	1.31	329	20 .				
	69	25.00	478	1.68	234	25 .				
	58	30.00	548	1.42	338	30 .				
	43	40.00	667	0.91	129	40 .				

6 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the outputshaft then refer to Overhung Loads Procedure, page 35, and compare with allowable overhung load (N) of selected unit

Allowable overhung load (N) must be equal or more than calculated overhung load (P)

0.75 HP

	N2 R/MIN	i	lb in	Fm	N	UNIT DESIGNATION	lb		SERIES X	inches
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
4 POLE	329	5.25	127	2.96	390	A 0 4 1 0 5 . 0 _ M _ - _ _ . 7 5 4 A _	49.3	56C	6 1 1 0 1 -	1.50
	235	7.33	172	2.63	389	7 . 5				
	164	10.50	239	2.31	380	10 .				
	138	12.50	278	2.40	377	13 .				
	119	14.50	316	2.31	370	15 .				
	88	19.50	406	1.31	329	20 .				
	69	25.00	478	1.68	234	25 .				
	58	30.00	548	1.42	338	30 .				
	43	40.00	667	0.91	129	40 .				

NOTE: If any of the following conditions occur then consult application engineering:-

a) Inertia of the Driven Machine (Referred to motor speed) / Inertia of Gear Unit plus Motor >1.0 b) Ambient temperature is above 104°F or c) Sizes A0730 and A0860 are required without a fan

EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine = 0.375 HP
Output speed of gearbox or Input speed of machine = 25 rev/min
Application = Uniformly loaded belt conveyor
Duration of service (hours per day) = 24hrs
Mounting position = D
Ambient temperature = 68°F
Running time (%) = 100%

1 DETERMINE RATIO OF GEARBOX REQUIRED

$$\frac{\text{Motor speed}}{\text{Gearbox output speed}} \quad \frac{1750}{25} = 70$$

Refer to exact ratios (page 14) for nearest standard ratio = 70:1

2 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application, table 5, page 4

Application = Heavy duty, non uniformly fed, bucket conveyor

Conveyors-uniformly loaded or fed	
apron	U
assembly	U
belt	U
bucket	U
chain	U

U = Moderate shock loading

Refer to mechanical service factor (Fm), table 1, page 3

Duration of service (hours per day) = 24hrs

Prime mover	Duration of service hrs per day	Load classification-drive	
		Uniform	Moderate Shock
Electric motor, steam turbine or hydraulic motor	Under 3	0.80	0.80
	3 to 10	1.00	1.00
	Over 10	1.25	1.25

Therefore mechanical service factor (Fm) = 1.25

3 DETERMINE REQUIRED MECHANICAL OUTPUT TORQUE CAPACITY OF GEARBOX

$$\text{Absorbed output torque} = \frac{\text{Absorbed power x 63025}}{\text{Gearbox output speed}}$$

$$\frac{0.375 \times 63025}{25} = 945\text{lb.in}$$

$$\text{Required mechanical output torque} = \text{Absorbed output x Fm torque}$$

945 x 1.25 = 1181lb.in

4 DETERMINE SIZE OF GEAR BOX REQUIRED

Refer to ratings tables, Input speed = 1750rpm, therefore refer to page 43.

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV/MIN	CAPACITY	SIZE OF UNIT			
			A0510	A0610	A0730	A0860
70.0	25.00	Input Power HP (mechanical)	0.39	0.64	0.94	1.47
		Input Power HP (thermal)	0.81	1.08	2.24	2.69
		Output Power HP (mechanical)	0.20	0.34	0.57	0.92
		Output Torque lb-in (mech.)	497	848	1430	2320
		Efficiency %	50	53	60	63

Mechanical output torque capacity must be equal or more than required mechanical output torque capacity of gear box. Required mechanical output torque capacity = 1181 lb-in. At a 70:1 ratio, nominal output speed 25 an A0730 unit has a mechanical output torque capacity of 1430 lb-in. Therefore the unit is acceptable

5 DETERMINE EXACT RATIO OF GEARBOX

Refer to exact ratios table, page 12

Nominal Ratio Column Entry (6 7 8)	Size A0510	Size A0610	Size A0730	Size A0860
	Exact Ratio	Exact Ratio	Size Exact Ratio	Exact Ratio
7 0 .	70	70	70	70

Exact ratio = 70.0:1

6 CHECK THERMAL CAPACITY OF GEARBOX SELECTED DETERMINE THERMAL INPUT POWER CAPACITY (Pt)

Refer to ratings tables

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV/MIN	CAPACITY	SIZE OF UNIT			
			A0510	A0610	A0730	A0860
70.0	25.00	Input Power HP (mechanical)	0.39	0.64	0.94	1.47
		Input Power HP (thermal)	0.81	1.08	2.24	2.69
		Output Power HP (mechanical)	0.20	0.34	0.57	0.92
		Output Torque lb-in (mech.)	497	848	1430	2320
		Efficiency %	50	53	60	63

Pt = 2.24 HP

Go to point 7

7 DETERMINE THERMAL SERVICE FACTOR (Ft)

Refer to table 2, page 3
Ambient temperature = 68°F

Ambient temperature °F	-20	0	20	40	60	68
Factor Ft	1.64	1.50	1.36	1.22	1.07	1.0

Ft = 1.0

8 DETERMINE THERMAL SERVICE FACTOR (Fp)

Refer to table 3, page 3
Mounting position = D
Nominal output speed (rev/min) = 25

Unit Output Shaft Speed (Rev / min)	Mounting	
	ABC	DEF
0 to 100	1.0	1.0
> 100 to 200	1.0	1.0
> 200 to 300	1.0	1.0

Fp = 1.0

9 DETERMINE THERMAL SERVICE FACTOR (Fd)

Refer to table 4, page 3
% running time = 100

Input shaft speed (Rev / min)	% Running time per hour		
	Unit Size	>60	>50 - 60
1750	280 - 610	1.0	1.46
	730	1.0	1.26

Fd = 1.0

10 DETERMINE REQUIRED POWER OF ELECTRIC MOTOR

Refer to ratings tables to determine gear unit efficiency

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV/MIN	CAPACITY	SIZE OF UNIT			
			A0510	A0610	A0730	A0860
70.0	25.00	Input Power HP (mechanical)	0.39	0.64	0.94	1.47
		Input Power HP (thermal)	0.81	1.08	2.24	2.69
		Output Power HP (mechanical)	0.20	0.34	0.57	0.92
		Output Torque lb-in (mech.)	497	848	1430	2320
		Efficiency %	50	53	60	63

Efficiency % = 60 Required motor power = $\frac{\text{Absorbed power of driven machine x 100}}{\text{Efficiency}} = \frac{.375 \times 100}{60} = .625$ HP

The next largest standard motor power available is selected 0.75 HP

11 DETERMINE ALLOWABLE OUTPUT POWER THERMAL RATING (Ptherm)

$$\text{Ptherm} = \frac{\text{Pt x Ft x Fp x Fd x efficiency}}{100}$$

$$= \frac{2.24 \times 1.0 \times 1.0 \times 1.0 \times 60}{100}$$

= 1.344 HP

Thermal output power capacity (Ptherm) must be equal or more than absorbed output power to drive machine

Absorbed output power = 0.375 HP Ptherm = 1.344 HP

Therefore unit is acceptable

12 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the input or output shaft then refer to Overhung loads procedure, pages 35 and 36

NOTE: If any of the following conditions occur then consult application engineering:-

a) $\frac{\text{Inertia of the Driven Machine (Referred to motor speed)}}{\text{Inertia of Gear Unit plus Motor}}$ >1.0 b) Ambient temperature is above 120°F or c) The unit is required without a fan

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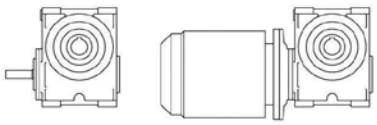
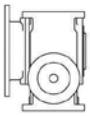
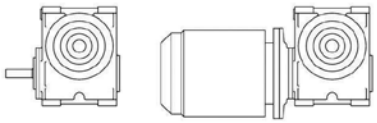
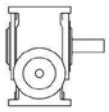
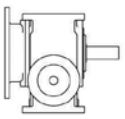
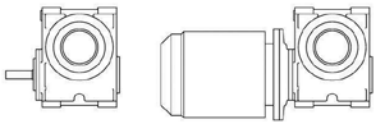
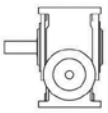
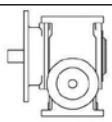
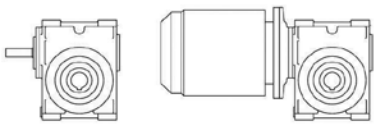
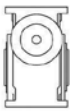
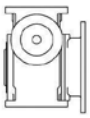
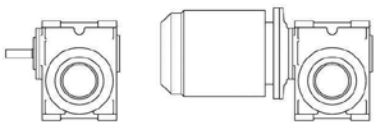
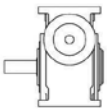
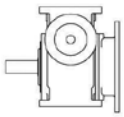
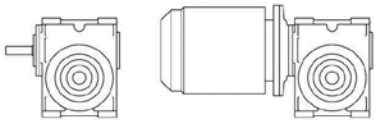
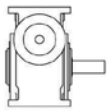
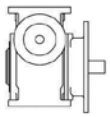
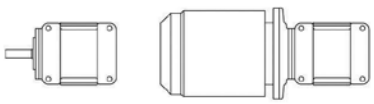
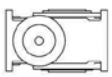
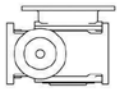
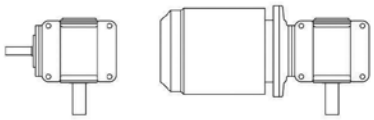
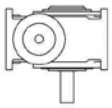
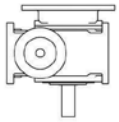
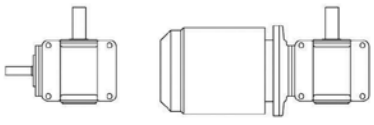
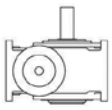
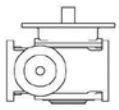
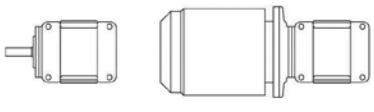
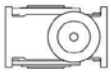
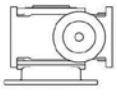
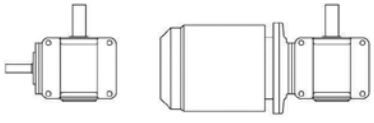
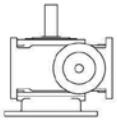
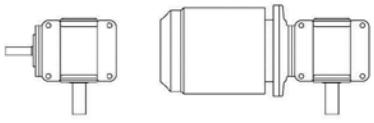
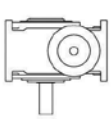
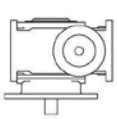
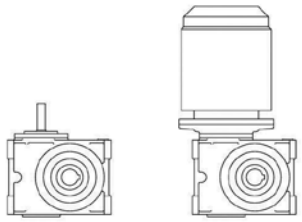
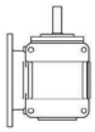
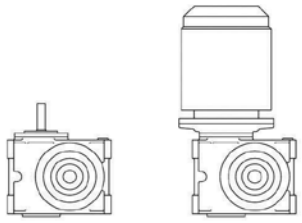
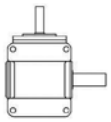
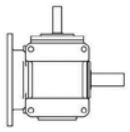
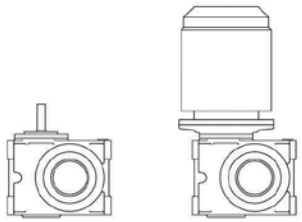
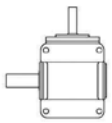
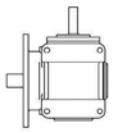
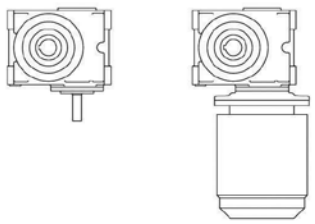
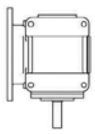
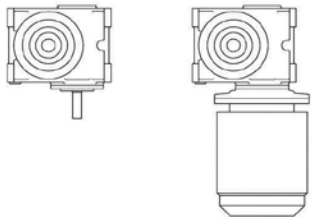
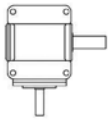
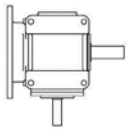
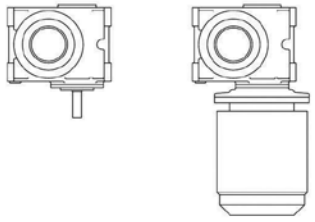
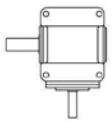
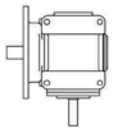
COLUMN 13 ENTRY	DOUBLE OUTPUT SHAFTS ARE AVAILABLE FOR ALL MOUNTING POSITIONS		
A			
B			
C			
D			
E			
F			
G			
H			
J			
K			
M			
N			

AJ

COLUMN 13 ENTRY	DOUBLE OUTPUT SHAFTS ARE AVAILABLE FOR ALL MOUNTING POSITIONS		
P			
S			
T			
W			
X			
Y			

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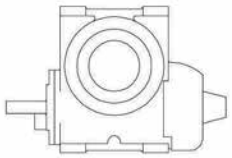
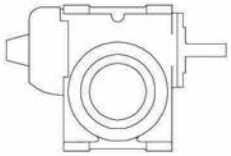
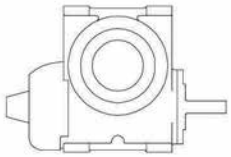
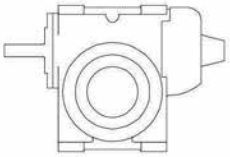
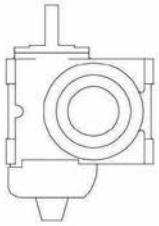
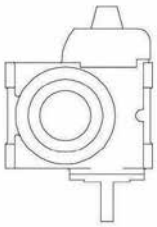
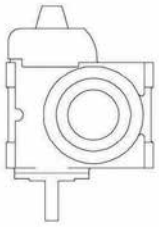
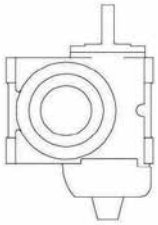
1	
3	
5	
7	

COLUMN 14 ENTRY	
3	
4	
6	
8	

PRIMARY UNIT POSITION RELATIVE TO THE SECONDARY UNIT

FOR SINGLE REDUCTION ENTER [-]

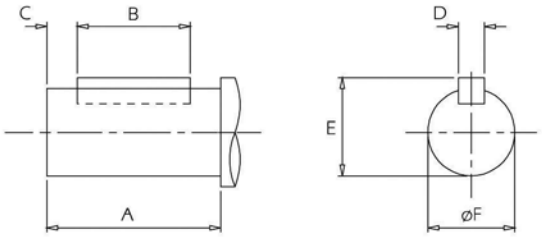
SINGLE REDUCTION

Nominal Ratio Column Entry (6 7 8)	A0280	A0410	A0510	A0610	A0730	A0860
5 . 0	5.250	5.250	4.800	5.000	5.200	4.833
7 . 5	7.333	7.333	7.333	7.333	7.250	7.250
1 0 .	10.50	10.50	10.50	9.667	10.33	9.667
1 2 .	12.50	12.50	12.50	12.50	12.50	12.67
1 5 .	14.50	14.50	14.50	15.00	14.50	14.50
2 0 .	20.00	19.50	20.00	20.00	19.50	19.50
2 5 .	25.00	25.00	25.00	25.00	25.00	25.00
3 0 .	30.00	30.00	30.00	30.00	30.00	30.00
4 0 .	40.00	40.00	40.00	40.00	40.00	40.00
5 0 .	50.00	50.00	50.00	50.00	50.00	50.00
6 0 .	60.00	60.00	60.00	60.00	60.00	60.00
7 0 .	70.00	70.00	70.00	70.00	70.00	70.00

DOUBLE REDUCTION

Nominal Ratio	Column Entry (6 7 8)	A0410	A0510	A0610	A0730	A0860
75.00	7 5 .	76.13	76.13	78.75	76.13	69.60
100.00	1 0 0	102.4	105.0	105.0	102.4	93.60
125.00	1 2 5	131.3	131.3	131.3	131.3	120.0
150.00	1 5 0	152.3	152.3	157.5	152.3	152.3
200.00	2 0 0	204.8	210.0	210.0	204.8	204.8
225.00	2 2 5	210.3	210.3	217.5	210.3	210.3
250.00	2 5 0	262.5	262.5	262.5	262.5	262.5
300.00	3 0 0	290.0	290.0	292.5	282.8	290.0
350.00	3 5 0	362.5	362.5	362.5	362.5	336.0
375.00	3 7 5	367.5	367.5	367.5	367.5	362.5
400.00	4 0 0	390.0	400.0	390.0	380.3	390.0
450.00	4 5 0	435.0	435.0	435.0	435.0	435.0
500.00	5 0 0	500.0	500.0	487.5	487.5	500.0
600.00	6 0 0	600.0	600.0	585.0	585.0	600.0
625.0	6 2 5	625.0	625.0	625.0	625.0	625.0
700.00	7 0 0	735.0	735.0	676.7	723.3	676.7
750.00	7 5 0	750.0	750.0	750.0	750.0	750.0
800.00	8 0 0	780.0	800.0	800.0	780.0	780.0
900.00	9 0 0	900.0	900.0	900.0	900.0	900.0
1000.00	1 0 C	1000.	1000.	1000.	1000.	1000.
1200.00	1 2 C	1200.	1200.	1200.	1200.	1200.
1250.00	1 3 C	1250.	1250.	1250.	1250.	1250.
1400.00	1 4 C	1365.	1400.	1400.	1365.	1365.
1500.00	1 5 C	1500.	1500.	1500.	1500.	1500.
1600.00	1 6 C	1600.	1600.	1600.	1600.	1600.
1750.00	1 7 C	1750.	1750.	1750.	1750.	1750.
1800.00	1 8 C	1800.	1800.	1800.	1800.	1800.
2000.00	2 0 C	2000.	2000.	2000.	2000.	2000.
2100.00	2 1 C	2100.	2100.	2100.	2100.	2100.
2400.00	2 4 C	2400.	2400.	2400.	2400.	2400.
2500.00	2 5 C	2500.	2500.	2500.	2500.	2500.
2800.00	2 8 C	2800.	2800.	2800.	2800.	2800.
3000.00	3 0 C	3000.	3000.	3000.	3000.	3000.
3500.00	3 5 C	3500.	3500.	3500.	3500.	3500.
3600.00	3 6 C	3600.	3600.	3600.	3600.	3600.
4200.00	4 2 C	4200.	4200.	4200.	4200.	4200.

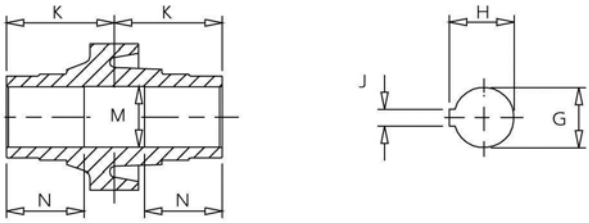
OUTPUTSHAFT OPTIONS, COLUMN 11 ENTRY



SIZE OF UNIT	TYPE OF OUTPUTSHAFT	COLUMN 11 ENTRY		DIMENSIONS IN INCHES (METRIC IN MM)					
		SINGLE EXT	DOUBLE EXT	A	B	C	D	E	ø F
A0280	Standard Inch	N	P	1.25"	0.9375"	0.16"	0.190" 0.188"	0.707" 0.699"	0.6250" 0.6245"
	Metric	C	D	35	23	5.5	5.000 4.970	18.00 17.87	16.012 16.001
A0410	Standard Inch	N	P	1.625"	1.3125"	0.16"	0.190" 0.188"	0.834" 0.826"	0.7500" 0.7495"
	Metric	C	D	45	34	6	6.000 5.970	22.50 22.37	20.015 20.002
A0510	Standard Inch	N	P	2.125"	1.7500"	0.19"	0.252" 0.250"	1.110" 1.102"	1.0000" 0.9995"
	Metric	C	D	57	42	7	8.000 7.964	28.00 27.71	25.015 25.002
A0610	Standard Inch	N	P	2.625"	2.0000"	0.25"	0.252" 0.250"	1.238" 1.230"	1.1250" 1.1245"
	Metric	C	D	70	55	7	8.000 7.964	31.00 30.71	28.015 28.002
A0730	Standard Inch	N	P	3.25"	2.5000"	0.25"	0.252" 0.250"	1.364" 1.356"	1.2500" 1.2495"
	Metric	C	D	83	62	7	8.000 7.964	33.00 32.71	30.015 30.002"
A0860	Standard Inch	N	P	3.875"	3.2500"	0.31"	0.377" 0.375"	1.666" 1.658"	1.5000" 1.4995"
	Metric	C	D	98	80	8	10.000 9.964	38.00 37.71	35.018 35.002

AJ

OUTPUTBORE OPTIONS, COLUMN 11 ENTRY



SIZE OF UNIT	TYPE OF OUTPUTBORE	COLUMN 11 ENTRY	DIMENSIONS IN INCHES (METRIC IN MM)					
			G	H	J	K	M	N
A0280	Standard Inch	A	0.6257" 0.6250"	0.715" 0.709"	0.1895" 0.1875"	1.575"	0.635" 0.630"	1.26"
	Metric	H	16.034 16.016	18.4 18.3	5.015 4.985	40	16.3 16.2	32
A0410	Standard Inch	A	0.7508" 0.7500"	0.843" 0.837"	0.1895" 0.1875"	1.969"	0.760" 0.755"	1.57"
	Metric	H	22.041 22.020	24.9 24.8	6.015 5.985	50	22.3 22.2	40
A0510	Standard Inch	A	1.0008" 1.0000"	1.120" 1.114"	0.252" 0.250"	2.205"	1.010" 1.005"	1.77"
	Metric	H	25.041 25.020	28.5 28.3	8.018 7.982	56	25.3 25.2	45
A0610	Standard Inch	A	1.3760" 1.3750"	1.524" 1.518"	0.3145" 0.3125"	2.520"	1.385" 1.380"	1.97"
	Metric	H	35.050 35.025	38.5 38.3	10.018 9.982	64	35.3 35.2	50
A0730	Standard Inch	A	1.6260" 1.6250"	1.802" 1.796"	0.377" 0.375"	3.031"	1.635" 1.630"	2.36"
	Metric	H	40.050 40.025	43.5 43.3	12.021 11.979	77	40.3 40.2	60
A0860	Standard Inch	A	1.8760" 1.8750"	2.102" 2.096"	0.502" 0.500"	3.661"	1.885" 1.880"	2.87"
	Metric	H	50.050 50.025	54.0 53.8	14.021 13.979	93	50.3 50.2	73

NEMA MOTOR ADAPTORS, COLUMN 12 ENTRY FOR A TYPE ONLY

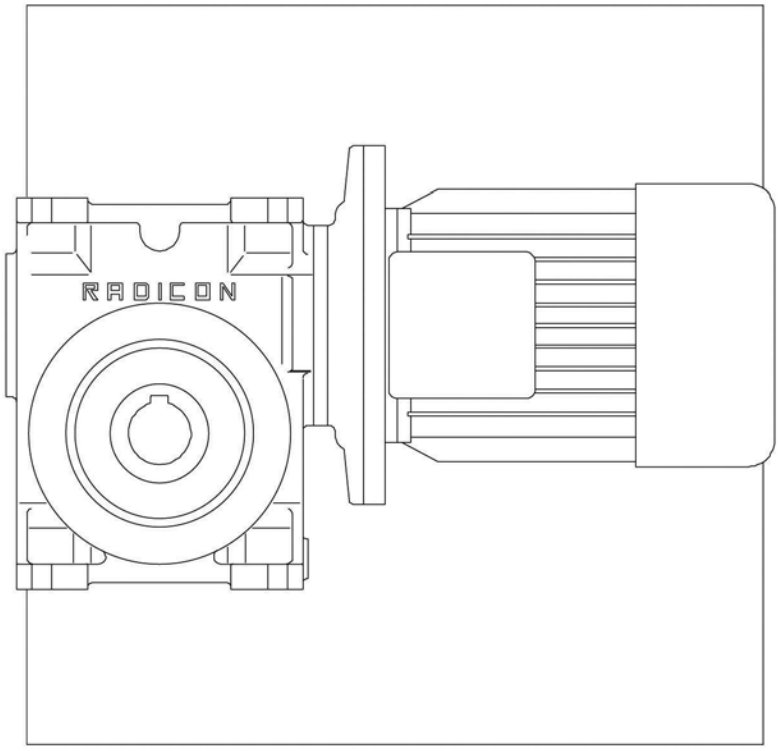
MOTOR FRAME/FLANGE	UNIT SIZE					
	A0280	A0410	A0510	A0610	A0730	A0860
56C	T	T	T	T	-	-
143TC / 145TC	-	V	V	V	V	V
182TC / 184TC	-	-	-	X	X	X
213TC / 215TC	-	-	-	-	-	Y

IEC MOTOR ADAPTORS, COLUMN 12 ENTRY FOR G TYPE ONLY

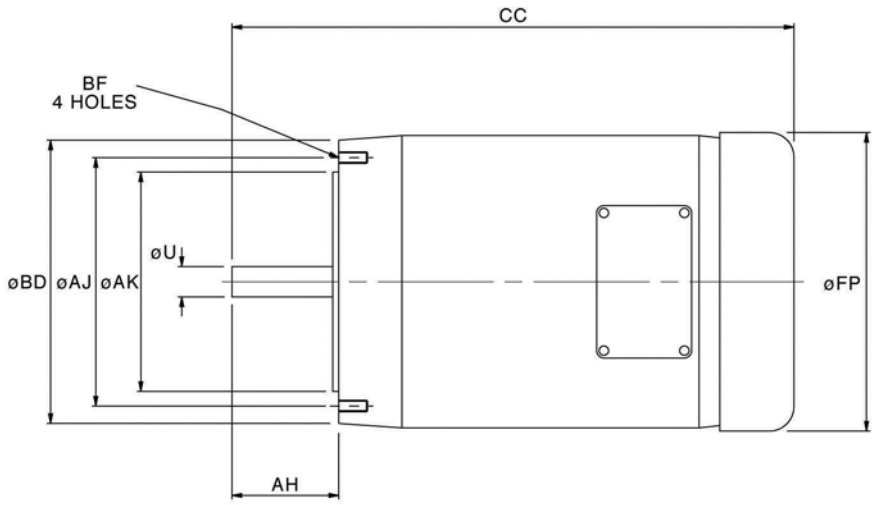
MOTOR FRAME/FLANGE	UNIT SIZE					
	A0280	A0410	A0510	A0610	A0730	A0860
63/D	A	-	-	-	-	-
71/D	B	B	B	-	-	-
71/C	C	C	C	-	-	-
80/D	-	D	D	D	D	-
80/C	-	E	E	E	-	-
90/D	-	-	F	F	F	F
90/C	-	-	G	G	G	-
100/112D	-	-	-	H	H	H
100/112C	-	-	-	J	J	J
132/D	-	-	-	-	-	K
132/C	-	-	-	-	-	L

ADDITIONAL FEATURES - COLUMN 20 ENTRY

COLUMN 20 ENTRY	SPIGOT CASE	PRIME PAINTED ONLY	LUBRICANT TYPE	
			MINERAL	SYNTHETIC
-			●	
B		●	●	
H				
K		●		
R				●
T		●		●
2	●		●	
3	●	●	●	
4	●			
5	●	●		
6	●			●
7	●	●		●

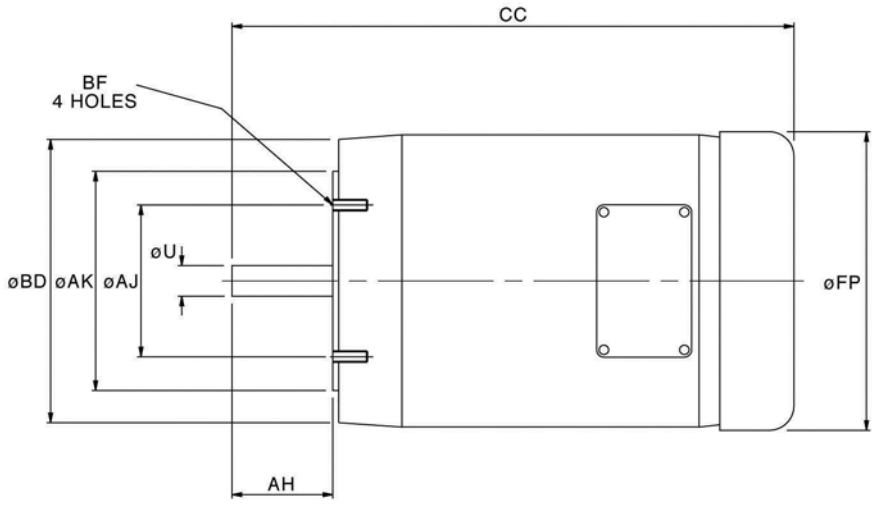


MOTORIZED



MOTOR FRAME SIZE	ø BD	ø AJ	ø AK	ø U	ø AH	CC max	ø FP	B F TAP UNC
56C	6.50	5.88	4.5	0.625	2.06	14.06	7.19	0.38
143TC / 145TC	6.50	5.88	4.5	0.875	2.13	14.19	7.19	0.38

These dimensions apply to Radicon Standard Motors



MOTOR FRAME SIZE	ø BD	ø AJ	ø AK	ø U	ø AH	CC max	ø FP	B F TAP UNC
182TC / 184TC	9.00	7.25	8.5	1.125	2.63	18.06	8.50	0.50
213TC / 215TC	9.00	7.25	8.5	1.375	3.13	19.44	10.19	0.50

These dimensions apply to Radicon Standard Motors

0.25 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
329	5.25	42	3.93	256	A 0 2 8 0 5 . 0 _ M _ - _ _ . 2 5 4 A _	33.4	56C	6 1 1 0 1 -	1.50
235	7.33	56	3.57	256	7 . 5				
164	10.50	77	3.25	256	1 0 .				
138	12.50	88	2.93	256	1 3 .				
119	14.50	101	2.56	254	1 5 .				
86	20.00	122	2.33	254	2 0 .				
69	25.00	147	2.09	253	2 5 .				
58	30.00	168	1.67	251	3 0 .				
43	40.00	186	0.97	251	4 0 .				
88	19.50	135	3.92	393	A 0 4 1 0 2 0 . _ M _ - _ _ . 2 5 4 A _	42.3	56C	6 1 1 0 1 -	1.50
43	40.00	222	2.73	388	4 0 .				
35	50.00	253	1.76	388	5 0 .				
29	60.00	261	1.32	388	6 0 .				
25	70.00	284	0.99	386	7 0 .				
23	76.13	436	2.02	381	A 0 4 1 0 7 5 . _ N _ - _ _ . 2 5 4 A _	51.1	56C	6 1 1 0 1 -	1.50
16	105.00	546	1.30	352	1 0 0				
13	131.25	619	1.42	345	1 2 5				
11	152.25	733	1.20	314	1 5 0				
35	50.00	272	2.99	899	A 0 5 1 0 5 0 . _ M _ - _ _ . 2 5 4 A _	51.1	56C	6 1 1 0 1 -	1.50
29	60.00	301	2.10	899	6 0 .				
25	70.00	322	1.54	896	7 0 .				
22	78.75	465	2.81	892	A 0 5 1 0 7 5 . _ N _ - _ _ . 2 5 4 A _	59.9	56C	6 1 1 0 1 -	1.50
16	105.00	568	3.60	890	1 0 0			6 1 1 0 2 -	1.65
13	131.25	674	3.24	885	1 2 5				
11	157.50	810	1.82	880	1 5 0			6 1 1 0 1 -	1.50
8.2	210.00	982	2.23	874	2 0 0			6 1 1 0 2 -	1.65
7.9	217.50	1041	1.50	871	2 2 5			6 1 1 0 1 -	1.50
6.6	262.50	1148	1.90	862	2 5 0			6 1 1 0 2 -	1.65
5.9	292.50	1200	1.36	824	3 0 0				
4.8	362.50	1460	1.50	782	3 5 0				
4.4	390.00	1435	1.52	798	4 0 0				
4.0	435.00	1666	1.28	732	4 5 0				
3.5	487.50	1660	1.32	741	5 0 0				
29	60.00	317	3.29	984	A 0 6 1 0 6 0 . _ M _ - _ _ . 2 5 4 A _	64.3	56C	6 1 1 0 1 -	1.50
25	70.00	336	2.52	980	7 0 .				
11	152.25	850	3.19	932	A 0 6 1 0 1 5 0 _ N _ - _ _ . 2 5 4 A _	81.9	56C	6 1 1 0 3 -	1.89
8.4	204.75	1001	2.91	916	2 0 0				
8.2	210.25	1077	2.65	907	2 2 5				
6.6	262.50	1177	2.68	898	2 5 0				
6.1	282.75	1386	2.16	867	3 0 0				
4.8	362.50	1464	2.15	864	3 5 0				
4.7	367.50	993	0.99	883	3 7 5			6 1 1 0 1 -	1.50
4.5	380.25	1614	1.95	838	4 0 0			6 1 1 0 3 -	1.89
4.0	435.00	1632	1.93	843	4 5 0				
3.5	487.50	1862	1.69	808	5 0 0				
2.9	585.00	2069	1.52	779	6 0 0				
2.8	625.00	2006	1.57	799	6 2 5				
2.4	723.33	1954	1.04	763	7 0 0			6 1 1 0 2 -	1.65
2.3	750.00	2207	1.43	770	7 5 0			6 1 1 0 3 -	1.89
2.2	780.00	2346	1.34	743	8 0 0				
1.9	900.00	2452	1.28	727	9 0 0				
1.7	1000.00	2648	1.19	696	1 0 C				
1.4	1200.00	2892	1.09	654	1 2 C				
1.4	1250.00	3040	1.04	627	1 2 C				
8.4	204.75	1151	3.35	1455	A 0 7 3 0 2 0 0 _ N _ - _ _ . 2 5 4 A _	110.6	56C	6 1 1 0 3 -	1.89
8.2	210.25	1165	3.61	1455	2 2 5			6 1 1 0 4 -	2.36
6.6	262.50	1320	3.18	1442	2 5 0				
5.9	290.00	1500	2.80	1419	3 0 0				
5.1	336.00	1653	2.54	1410	3 5 0				
4.8	362.50	1277	1.30	1424	3 7 5			6 1 1 0 2 -	1.65
4.4	390.00	1870	2.16	1382	4 0 0			6 1 1 0 3 -	1.89
4.0	435.00	1888	2.23	1388	4 5 0			6 1 1 0 4 -	2.36
3.5	500.00	2109	1.99	1355	5 0 0				
2.9	600.00	2394	1.76	1323	6 0 0				
2.8	625.00	2291	1.83	1348	6 2 5				
2.5	676.67	2176	1.02	1312	7 0 0			6 1 1 0 2 -	1.65
2.3	750.00	2589	1.62	1316	7 5 0			6 1 1 0 4 -	2.36
2.2	780.00	2789	1.51	1287	8 0 0				
1.9	900.00	2880	1.46	1280	9 0 0				
1.7	1000.00	3058	1.37	1253	1 0 C				
1.4	1200.00	3427	1.23	1198	1 2 C				
1.4	1250.00	3518	1.19	1183	1 2 C				
1.3	1365.00	3694	1.02	1148	1 4 C			6 1 1 0 3 -	1.89
1.1	1500.00	3936	1.07	1074	1 5 C			6 1 1 0 4 -	2.36
1.1	1600.00	3961	1.05	989	1 6 C				
.99	1750.00	4119	1.02	573	1 7 C				
.96	1800.00	4056	1.04	802	1 8 C				

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

0.33 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
329	5.25	55	2.98	255	A02805.0_M_-__.334A_	35.4	56C	61101-	1.50
235	7.33	74	2.71	255	7.5				
164	10.50	102	2.46	255	10.				
138	12.50	116	2.22	254	13.				
119	14.50	134	1.94	250	15.				
86	20.00	162	1.77	252	20.				
69	25.00	194	1.58	247	25.				
58	30.00	222	1.27	243	30.				
88	19.50	178	2.97	383	A041020._M_-__.334A_	44.3	56C	61101-	1.50
69	25.00	210	3.81	366	25.				
58	30.00	241	3.23	382	30.				
43	40.00	293	2.07	347	40.				
35	50.00	334	1.33	370	50.				
29	60.00	345	1.00	375	60.				
23	76.13	575	1.53	295	A041075._N_-__.334A_	53.1	56C	61101-	1.50
16	105.00	721	0.99	239	100				
13	131.25	817	1.08	234	125				
43	40.00	314	3.12	892	A051050._M_-__.334A_	53.1	56C	61101-	1.50
35	50.00	359	2.27	891	50.				
29	60.00	397	1.59	894	60.				
25	70.00	425	1.17	892	70.				
22	78.75	614	2.13	874	A051075._N_-__.334A_	61.9	56C	61101-	1.50
16	105.00	750	2.72	870	100			61102-	1.65
13	131.25	890	2.46	858	125				
11	157.50	1069	1.38	829	150			61101-	1.50
8.2	210.00	1296	1.69	804	200			61102-	1.65
7.9	217.50	1374	1.13	788	225			61101-	1.50
6.6	262.50	1516	1.44	766	250			61102-	1.65
5.9	292.50	1584	1.03	737	300				
35	50.00	375	3.61	975	A061060._M_-__.334A_	66.3	56C	61101-	1.50
29	60.00	418	2.50	969	60.				
25	70.00	444	1.91	963	70.				
23	76.13	632	3.79	926	A0610150_N_-__.254A_	83.9	56C	61103-	1.89
17	102.38	755	3.38	936	100				
13	131.25	900	3.35	921	125				
11	152.25	1123	2.42	893	150				
8.4	204.75	1321	2.20	856	200				
8.2	210.25	1421	2.01	761	225				
6.6	262.50	1554	2.03	842	250				
6.1	282.75	1830	1.63	799	300				
4.8	362.50	1932	1.63	792	350				
4.5	380.25	2131	1.48	570	400				
4.0	435.00	2155	1.46	573	450				
3.5	487.50	2458	1.28	714	500				
2.9	585.00	2731	1.15	674	600				
2.8	625.00	2648	1.19	690	625				
2.3	750.00	2913	1.08	647	750				
2.2	780.00	3096	1.02	397	800				
11	152.25	1207	3.48	1442	A073020O_N_-__.334A_	112.6	56C	61104-	2.36
8.4	204.75	1519	2.54	1300	200			61103-	1.89
8.2	210.25	1538	2.73	1300	225			61104-	2.36
6.6	262.50	1743	2.41	1352	250				
5.9	290.00	1980	2.12	1191	300				
5.1	336.00	2182	1.93	1184	350				
4.8	362.50	1686	0.98	1361	375			61102-	1.65
4.4	390.00	2468	1.64	1305	400			61103-	1.89
4.0	435.00	2492	1.69	1309	450			61104-	2.36
3.5	500.00	2783	1.51	978	500				
2.9	600.00	3161	1.33	900	600				
2.8	625.00	3024	1.39	917	625				
2.3	750.00	3418	1.23	1200	750				
2.2	780.00	3682	1.14	1162	800				
1.9	900.00	3802	1.11	1146	900				
1.7	1000.00	4036	1.04	801	10C				

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

AJ

0.50 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
329	5.25	84	1.97	255	A 0 2 8 0 5 . 0 _ M _ - _ _ . 5 0 4 A _	37.4	56C	6 1 1 0 1 -	1.50
235	7.33	113	1.79	254	7 . 5				
164	10.50	155	1.63	252	1 0 .				
138	12.50	176	1.47	251	1 3 .				
119	14.50	203	1.28	242	1 5 .				
86	20.00	245	1.17	249	2 0 .				
69	25.00	294	1.04	233	2 5 .				
58	30.00	336	0.84	227	3 0 .				
235	7.33	115	3.94	391	A 0 4 1 0 2 0 . _ M _ - _ _ . 5 0 4 A _	46.3	56C	6 1 1 0 1 -	1.50
164	10.50	159	3.46	387	1 0 .				
138	12.50	185	3.60	385	1 3 .				
119	14.50	210	3.46	381	1 5 .				
88	19.50	270	1.96	361	2 0 .				
69	25.00	319	2.51	312	2 5 .				
58	30.00	365	2.13	364	3 0 .				
43	40.00	444	1.37	259	4 0 .				
35	50.00	507	0.88	331	5 0 .				
23	76.13	872	1.01	112	A 0 4 1 0 7 5 . _ N _ - _ _ . 5 0 4 A _	55.1	56C	6 1 1 0 1 -	1.50
119	14.50	217	3.91	897	A 0 5 1 0 5 0 . _ M _ - _ _ . 5 0 4 A _	55.1	56C	6 1 1 0 1 -	1.50
58	30.00	385	3.17	884	3 0 .				
43	40.00	477	2.06	873	4 0 .				
35	50.00	544	1.50	873	5 0 .				
29	60.00	602	1.05	885	6 0 .				
22	78.75	931	1.41	835	A 0 5 1 0 7 5 . _ N _ - _ _ . 5 0 4 A _	63.9	56C	6 1 1 0 1 -	1.50
16	105.00	1137	1.80	829	1 0 0			6 1 1 0 2 -	1.65
13	131.25	1348	1.62	800	1 2 5				
11	157.50	1620	0.91	721	1 5 0				
43	40.00	490	3.75	958	A 0 6 1 0 6 0 . _ M _ - _ _ . 5 0 4 A _	68.3	56C	6 1 1 0 2 -	1.65
35	50.00	568	2.38	947	5 0 .			6 1 1 0 1 -	1.50
29	60.00	634	1.65	936	6 0 .				
25	70.00	673	1.26	927	7 0 .				
23	76.13	959	2.50	832	A 0 6 1 0 1 5 0 _ N _ - _ _ . 5 0 4 A _	85.9	56C	6 1 1 0 3 -	1.89
17	102.38	1144	2.23	881	1 0 0				
13	131.25	1363	2.21	855	1 2 5				
11	152.25	1701	1.60	809	1 5 0				
8.4	204.75	2002	1.45	729	2 0 0				
8.2	210.25	2154	1.33	453	2 2 5				
6.6	262.50	2355	1.34	724	2 5 0				
6.1	282.75	2773	1.08	656	3 0 0				
4.8	362.50	2928	1.08	638	3 5 0				
25	69.60	1013	3.67	1368	A 0 7 3 0 2 0 0 _ N _ - _ _ . 5 0 4 A _	114.6	56C	6 1 1 0 3 -	1.89
18	93.60	1296	2.72	1377	1 0 0				
14	120.00	1529	2.75	1194	1 2 5			6 1 1 0 4 -	2.36
11	152.25	1829	2.30	1368	1 5 0				
8.4	204.75	2302	1.68	970	2 0 0			6 1 1 0 3 -	1.89
8.2	210.25	2331	1.80	970	2 2 5			6 1 1 0 4 -	2.36
6.6	262.50	2641	1.59	1160	2 5 0				
5.9	290.00	3000	1.40	709	3 0 0				
5.1	336.00	3306	1.27	704	3 5 0				
4.4	390.00	3740	1.08	1142	4 0 0			6 1 1 0 3 -	1.89
4.0	435.00	3777	1.11	1142	4 5 0			6 1 1 0 4 -	2.36

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

0.75 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
329	5.25	126	1.31	254	A 0 2 8 0 5 . 0 _ M _ - _ _ . 7 5 4 A _	40.4	56C	6 1 1 0 1 -	1.50
235	7.33	170	1.19	251	7 . 5				
164	10.50	232	1.08	249	1 0 .				
138	12.50	265	0.98	247	1 3 .				
119	14.50	305	0.85	231	1 5 .				
329	5.25	127	2.96	390	A 0 4 1 0 5 . 0 _ M _ - _ _ . 7 5 4 A _	49.3	56C	6 1 1 0 1 -	1.50
235	7.33	172	2.63	389	7 . 5				
164	10.50	239	2.31	380	1 0 .				
138	12.50	278	2.40	377	1 3 .				
119	14.50	316	2.31	370	1 5 .				
88	19.50	406	1.31	329	2 0 .				
69	25.00	478	1.68	234	2 5 .				
58	30.00	548	1.42	338	3 0 .				
43	40.00	667	0.91	129	4 0 .				
119	14.50	326	2.61	894	A 0 5 1 0 1 5 . _ M _ - _ _ . 7 5 4 A _	58.1	56C	6 1 1 0 1 -	1.50
86	20.00	414	3.23	880	2 0 .				
69	25.00	495	2.86	887	2 5 .				
58	30.00	577	2.11	868	3 0 .				
43	40.00	715	1.37	844	4 0 .				
35	50.00	816	1.00	848	5 0 .				
22	78.75	1397	0.94	777	A 0 5 1 0 7 5 . _ N _ - _ _ . 7 5 4 A _	66.9	56C	6 1 1 0 1 -	1.50
86	20.00	423	3.93	961	A 0 6 1 0 2 0 . _ M _ - _ _ . 7 5 4 A _	71.3	56C	6 1 1 0 2 -	1.65
69	25.00	511	3.84	951	2 5 .				
58	30.00	591	3.37	941	3 0 .				
43	40.00	735	2.50	922	4 0 .				
35	50.00	852	1.59	905	5 0 .			6 1 1 0 1 -	1.50
29	60.00	951	1.10	888	6 0 .				
25	70.00	1010	0.84	875	7 0 .				
23	76.13	1438	1.67	693	A 0 6 1 0 7 5 . _ N _ - _ _ . 7 5 4 A _	88.9	56C	6 1 1 0 3 -	1.89
17	102.38	1717	1.49	800	1 0 0				
13	131.25	2045	1.48	758	1 2 5				
11	152.25	2552	1.06	685	1 5 0				
8.4	204.75	3003	0.97	541	2 0 0				
25	69.60	1520	2.45	1225	A 0 7 3 0 7 5 . _ N _ - _ _ . 7 5 4 A _	117.6	56C	6 1 1 0 3 -	1.89
18	93.60	1945	1.82	1255	1 0 0				
14	120.00	2293	1.83	896	1 2 5			6 1 1 0 4 -	2.36
11	152.25	2744	1.53	1259	1 5 0				
8.4	204.75	3453	1.12	485	2 0 0			6 1 1 0 3 -	1.89
8.2	210.25	3497	1.20	485	2 2 5			6 1 1 0 4 -	2.36
6.6	262.50	3962	1.06	878	2 5 0				

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

AJ

1.00 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
329	5.25	169	2.22	389	A 0 4 1 0 5 . 0 _ M _ - _ _ 1 . 0 4 A _	54.3	143TC	6 1 1 0 1 -	1.50
235	7.33	230	1.97	388	7 . 5				
164	10.50	319	1.73	374	1 0 .				
138	12.50	371	1.80	369	1 3 .				
119	14.50	421	1.73	358	1 5 .				
88	19.50	541	0.98	297	2 0 .				
69	25.00	638	1.26	156	2 5 .				
58	30.00	731	1.07	312	3 0 .				
235	7.33	236	3.37	896	A 0 5 1 0 7 . 5 _ M _ - _ _ 1 . 0 4 A _	63.1	143TC	6 1 1 0 1 -	1.50
164	10.50	327	3.13	893	1 0 .				
138	12.50	380	3.00	892	1 3 .				
119	14.50	435	1.96	890	1 5 .				
86	20.00	552	2.42	869	2 0 .				
69	25.00	661	2.14	879	2 5 .				
58	30.00	770	1.59	851	3 0 .				
43	40.00	954	1.03	816	4 0 .				
138	12.50	387	3.83	961	A 0 6 1 0 1 3 . _ M _ - _ _ 1 . 0 4 A _	76.3	143TC	6 1 1 0 1 -	1.50
115	15.00	456	3.41	954	1 5 .				
86	20.00	564	2.95	940	2 0 .			6 1 1 0 2 -	1.65
69	25.00	681	2.88	926	2 5 .				
58	30.00	788	2.52	913	3 0 .				
43	40.00	980	1.88	887	4 0 .				
35	50.00	1136	1.19	863	5 0 .			6 1 1 0 1 -	1.50
29	60.00	1268	0.82	840	6 0 .				
23	76.13	1918	1.25	554	A 0 6 1 0 7 5 . _ N _ - _ _ 1 . 0 4 A _	93.9	143TC	6 1 1 0 3 -	1.89
17	102.38	2289	1.12	719	1 0 0				
13	131.25	2727	1.11	661	1 2 5				
88	19.50	606	3.79	1483	A 0 7 3 0 2 0 . _ M _ - _ _ 1 . 0 4 A _	102.8	143TC	6 1 1 0 2 -	1.65
58	30.00	855	3.05	1459	3 0 .			6 1 1 0 3 -	1.89
43	40.00	1085	2.34	1434	4 0 .				
35	50.00	1290	1.82	1409	5 0 .			6 1 1 0 2 -	1.65
29	60.00	1438	1.26	1391	6 0 .				
25	70.00	1535	0.93	1373	7 0 .			6 1 1 0 1 -	1.50
25	69.60	2027	1.84	1083	A 0 7 3 0 7 5 . _ N _ - _ _ 1 . 0 4 A _	122.6	143TC	6 1 1 0 3 -	1.89
18	93.60	2593	1.36	1133	1 0 0				
14	120.00	3058	1.37	598	1 2 5			6 1 1 0 4 -	2.36
11	152.25	3659	1.15	1151	1 5 0				
35	50.00	1317	2.80	2383	A 0 8 6 0 5 0 . _ M _ - _ _ 1 . 0 4 A _	144.6	143TC	6 1 1 0 3 -	1.89
29	60.00	1483	1.90	2383	6 0 .				
25	70.00	1609	1.44	2360	7 0 .			6 1 1 0 2 -	1.65

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

1.50 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
329	5.25	254	1.48	386	A 0 4 105. 0 _M_ -__ 1.54A_	58.3	145TC	6 1 1 0 1 -	1.50
235	7.33	345	1.31	384	7. 5				
164	10.50	479	1.15	361	10.				
138	12.50	557	1.20	353	13.				
119	14.50	632	1.15	335	15.				
359	4.80	238	3.00	894	A 0 5 105. 0 _M_ -__ 1.54A_	67.1	145TC	6 1 1 0 1 -	1.50
235	7.33	354	2.25	893	7. 5				
164	10.50	491	2.09	888	10.				
138	12.50	570	2.00	887	13.				
119	14.50	652	1.30	883	15.				
86	20.00	828	1.61	848	20.				
69	25.00	991	1.43	865	25.				
58	30.00	1155	1.06	818	30.				
235	7.33	360	3.46	962	A 0 6 107. 5 _M_ -__ 1.54A_	82.5	145TC	6 1 1 0 1 -	1.50
178	9.67	464	3.08	948	10.				
138	12.50	581	2.56	932	13.				
115	15.00	685	2.27	920	15.				
86	20.00	846	1.97	899	20.			6 1 1 0 2 -	1.65
69	25.00	1022	1.92	877	25.				
58	30.00	1183	1.68	856	30.				
43	40.00	1471	1.25	816	40.				
23	76.13	2877	0.83	276	A 0 6 1075. _N_ -__ 1.54A_	97.9	145TC	6 1 1 0 3 -	1.89
167	10.33	512	3.85	1489	A 0 7 3010. _M_ -__ 1.54A_	106.8	145TC	6 1 1 0 2 -	1.65
119	14.50	696	3.48	1470	15.			6 1 1 0 3 -	1.89
88	19.50	909	2.53	1446	20.			6 1 1 0 2 -	1.65
69	25.00	1101	2.91	1428	25.			6 1 1 0 3 -	1.89
58	30.00	1282	2.04	1276	30.				
43	40.00	1628	1.56	1368	40.				
35	50.00	1935	1.22	1330	50.			6 1 1 0 2 -	1.65
29	60.00	2158	0.84	1300	60.				
25	69.60	3041	1.22	798	A 0 7 3075. _N_ -__ 1.54A_	126.6	145TC	6 1 1 0 3 -	1.89
18	93.60	3890	0.91	888	100				
88	19.50	919	3.87	2357	A 0 8 6020. _M_ -__ 1.54A_	148.6	145TC	6 1 1 0 3 -	1.89
58	30.00	1312	3.39	2304	30.			6 1 1 0 4 -	2.36
43	40.00	1669	2.71	2320	40.				
35	50.00	1975	1.87	2331	50.			6 1 1 0 3 -	1.89
29	60.00	2224	1.27	2301	60.				
25	70.00	2414	0.96	2337	70.				

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

AJ

2.00 HP

4 POLE

N2 R/MIN Output Speed	i Ratio	lb in Output Torque	Fm Service Factor	lb Overhung Load	UNIT DESIGNATION Column Entry 1 Through 20 Spaces to be filled when entering order	lb Weight of Base Mount Unit	Motor Frame Size	SERIES X Cone Ring Output Coupling	inches Max Bore Coupling Driven Half
359	4.80	317	2.25	894	A 0 5 1 0 5 . 0 _ M _ - _ _ 2 . 0 4 A _	74.1	145TC	6 1 1 0 1 -	1.50
235	7.33	472	1.69	890	7 . 5				
164	10.50	655	1.57	883	1 0 .				
138	12.50	761	1.50	881	1 3 .				
119	14.50	870	0.98	876	1 5 .				
86	20.00	1104	1.21	827	2 0 .				
345	5.00	334	3.23	961	A 0 6 1 0 5 . 0 _ M _ - _ _ 2 . 0 4 A _	89.5	145TC	6 1 1 0 1 -	1.50
235	7.33	480	2.60	943	7 . 5				
178	9.67	619	2.31	925	1 0 .				
138	12.50	775	1.92	903	1 3 .				
115	15.00	913	1.71	887	1 5 .				
86	20.00	1128	1.47	858	2 0 .			6 1 1 0 2 -	1.65
69	25.00	1363	1.44	828	2 5 .				
58	30.00	1577	1.26	800	3 0 .				
43	40.00	1961	0.94	746	4 0 .				
238	7.25	489	3.93	1487	A 0 7 3 0 7 . 5 _ M _ - _ _ 2 . 0 4 A _	113.8	145TC	6 1 1 0 2 -	1.65
167	10.33	683	2.89	1467	1 0 .				
138	12.50	809	3.01	1453	1 3 .			6 1 1 0 3 -	1.89
119	14.50	928	2.61	1442	1 5 .				
88	19.50	1213	1.90	1410	2 0 .			6 1 1 0 2 -	1.65
69	25.00	1468	2.18	1384	2 5 .			6 1 1 0 3 -	1.89
58	30.00	1710	1.53	1094	3 0 .				
43	40.00	2171	1.17	1303	4 0 .				
35	50.00	2581	0.91	1251	5 0 .				
25	69.60	4055	0.92	513	A 0 7 3 0 7 5 . _ N _ - _ _ 2 . 0 4 A _	133.6	145TC	6 1 1 0 3 -	1.89
88	19.50	1226	2.90	2331	A 0 8 6 0 2 0 . _ M _ - _ _ 2 . 0 4 A _	155.6	145TC	6 1 1 0 3 -	1.89
69	25.00	1490	3.33	2306	2 5 .			6 1 1 0 4 -	2.36
58	30.00	1749	2.54	2225	3 0 .				
43	40.00	2226	2.04	2257	4 0 .				
35	50.00	2634	1.40	2280	5 0 .			6 1 1 0 3 -	1.89
29	60.00	2966	0.95	2219	6 0 .				

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

3.00 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
345	5.00	501	2.15	933	A 0 6 1 0 5 . 0 _ M _ - _ _ 3 . 0 4 A _	109.5	182TC	6 1 1 0 1 -	1.50
235	7.33	720	1.73	905	7 . 5				
178	9.67	929	1.54	878	1 0 .				
138	12.50	1163	1.28	846	1 3 .				
115	15.00	1370	1.14	820	1 5 .				
86	20.00	1693	0.98	776	2 0 .			6 1 1 0 2 -	1.65
69	25.00	2045	0.96	731	2 5 .				
332	5.20	532	3.41	1478	A 0 7 3 0 5 . 0 _ M _ - _ _ 3 . 0 4 A _	138.2	182TC	6 1 1 0 2 -	1.65
238	7.25	733	2.62	1455	7 . 5				
167	10.33	1025	1.93	1424	1 0 .				
138	12.50	1214	2.00	1403	1 3 .			6 1 1 0 3 -	1.89
119	14.50	1393	1.74	1384	1 5 .				
88	19.50	1819	1.26	1336	2 0 .			6 1 1 0 2 -	1.65
69	25.00	2203	1.45	1296	2 5 .			6 1 1 0 3 -	1.89
58	30.00	2565	1.02	729	3 0 .				
238	7.25	737	3.97	2372	A 0 8 6 0 7 . 5 _ M _ - _ _ 3 . 0 4 A _	180.0	182TC	6 1 1 0 3 -	1.89
178	9.67	970	3.50	2367	1 0 .				
136	12.67	1253	2.79	2327	1 3 .				
119	14.50	1409	2.84	2305	1 5 .				
88	19.50	1839	1.93	2279	2 0 .				
69	25.00	2235	2.22	2229	2 5 .			6 1 1 0 4 -	2.36
58	30.00	2624	1.70	2068	3 0 .				
43	40.00	3339	1.36	2131	4 0 .				
35	50.00	3951	0.93	2178	5 0 .			6 1 1 0 3 -	1.89

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

AJ

5.00 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
345	5.00	835	1.29	879	A 0 6 1 0 5 . 0 _ M _ - _ _ 5 . 0 4 A _	123.5	184TC	6 1 1 0 1 -	1.50
235	7.33	1201	1.04	829	7 . 5				
178	9.67	1549	0.93	784	1 0 .				
332	5.20	887	2.04	1429	A 0 7 3 0 5 . 0 _ M _ - _ _ 5 . 0 4 A _	152.2	184TC	6 1 1 0 2 -	1.65
238	7.25	1223	1.57	1391	7 . 5				
167	10.33	1708	1.16	1337	1 0 .				
138	12.50	2023	1.20	1303	1 3 .			6 1 1 0 3 -	1.89
119	14.50	2322	1.04	1270	1 5 .				
69	25.00	3672	0.87	1119	2 5 .				
357	4.83	829	3.54	2372	A 0 8 6 0 5 . 0 _ M _ - _ _ 5 . 0 4 A _	194.0	184TC	6 1 1 0 3 -	1.89
238	7.25	1228	2.38	2362	7 . 5				
178	9.67	1617	2.10	2352	1 0 .				
136	12.67	2089	1.67	2272	1 3 .				
119	14.50	2349	1.70	2227	1 5 .				
88	19.50	3065	1.16	2176	2 0 .				
69	25.00	3726	1.33	2075	2 5 .			6 1 1 0 4 -	2.36
58	30.00	4373	1.02	1753	3 0 .				
43	40.00	5565	0.81	1879	4 0 .				

7.50 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
3357	4.83	1244	2.36	2366	A 0 8 6 0 5 . 0 _ M _ - _ _ 7 . 5 4 A _	242.0	213TC	6 1 1 0 3 -	1.89
238	7.25	1842	1.59	2350	7 . 5				
178	9.67	2425	1.40	2334	1 0 .				
136	12.67	3133	1.12	2202	1 3 .				
119	14.50	3524	1.14	2129	1 5 .				
69	25.00	5589	0.89	1883	2 5 .			6 1 1 0 4 -	2.36

10.0 HP

4 POLE

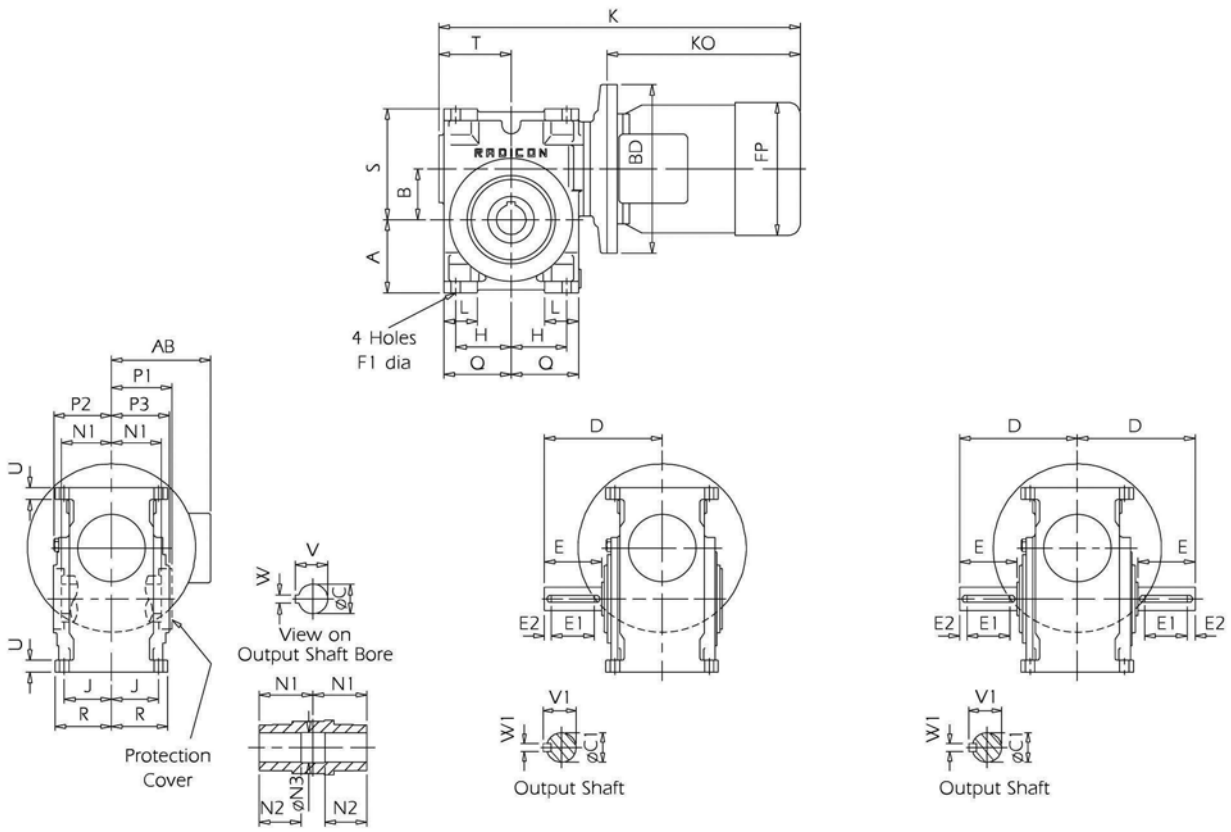
N2 R/MIN	i	lb in	Fm	lb	UNIT DESIGNATION	lb		SERIES X	inches
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size	Cone Ring Output Coupling	Max Bore Coupling Driven Half
357	4.83	1658	1.77	2360	A 0 8 6 0 5 . 0 _ M _ - _ _ 1 0 . 4 A _	257.0	215TC	6 1 1 0 3 -	1.89
238	7.25	2457	1.19	2338	7 . 5				
178	9.67	3234	1.05	2315	1 0 .				
136	12.67	4178	0.84	2133	1 3 .			6 1 1 0 4 -	2.36
119	14.50	4699	0.85	2032	1 5 .				

NOTE

Other output speeds are available using 2 and 6 pole motors - Consult our application engineers

A	0			0				W	A

STANDARD UNIT



SIZE	A	B	ø C	øC1	D	E	E1	E2	F1	H	J	L	N1	N2
A0280	2.283	1.125	0.625	0.625	3.125	1.250	0.9375	0.16	0.35	2.067	1.635	1.18	1.575	1.26
A0410	2.598	1.625	0.750	0.750	3.875	1.625	1.3125	0.16	0.45	2.303	1.930	1.26	1.969	1.57
A0510	2.913	2.000	1.000	1.000	4.625	2.125	1.75	0.19	0.45	2.244	2.045	1.38	2.205	1.77
A0610	3.425	2.375	1.375	1.125	5.500	2.625	2.0	0.25	0.45	2.599	2.205	1.58	2.520	1.97
A0730	4.134	2.875	1.625	1.250	6.625	3.250	2.5	0.25	0.53	3.189	2.755	1.77	3.031	2.36
A0860	4.606	3.375	1.875	1.500	7.875	3.875	3.25	0.31	0.69	3.544	3.110	2.16	3.661	2.87

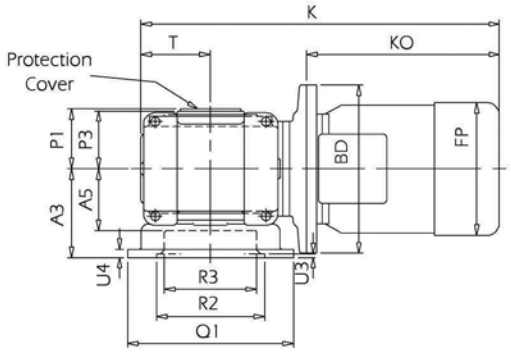
SIZE	øN3	P1	P2	P3	Q	R	S	T	U	V	V1	W	W1
A0280	0.635 0.630	1.89	1.77	1.73	2.42	1.99	3.189	2.09	0.35	0.715 0.709	0.707 0.699	0.1895 0.1875	0.190 0.188
A0410	0.760 0.755	2.28	2.16	2.16	2.72	2.36	3.976	2.44	0.39	0.843 0.837	0.834 0.826	0.1895 0.1875	0.190 0.188
A0510	1.010 1.005	2.48	2.40	2.40	2.64	2.44	4.409	2.96	0.47	1.120 1.114	1.110 1.102	0.2520 0.2500	0.252 0.250
A0610	1.385 1.380	2.84	2.64	2.72	3.15	2.64	5.197	3.39	0.55	1.524 1.518	1.238 1.230	0.3145 0.3125	0.252 0.250
A0730	1.635 1.630	3.42	3.19	3.31	3.74	3.31	6.024	4.06	0.63	1.802 1.796	1.364 1.356	0.3770 0.3750	0.252 0.250
A0860	1.885 1.880	4.09	3.82	3.90	4.25	3.82	7.008	4.57	0.71	2.102 2.096	1.666 1.658	0.5020 0.5000	0.377 0.375

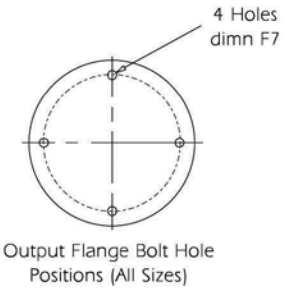
MOTORS		ALL SIZES				A0280	A0410	A0510	A0610	A0730	A0860
		KO	øBD	øFP	AB	K (max)	K (max)	K (max)	K (max)	K (max)	K (max)
MOTOR FRAME SIZE	56C	12.00	6.50	7.19	5.25	17.48	18.06	19.09	19.96		
	143/145TC	12.06	6.50	7.19	5.25		18.12	19.15	20.02	21.71	22.73
	182/184TC	15.44	9.00	8.50	5.88				23.95	25.29	26.55
	213/215TC	16.31	9.00	10.19	7.38						27.42

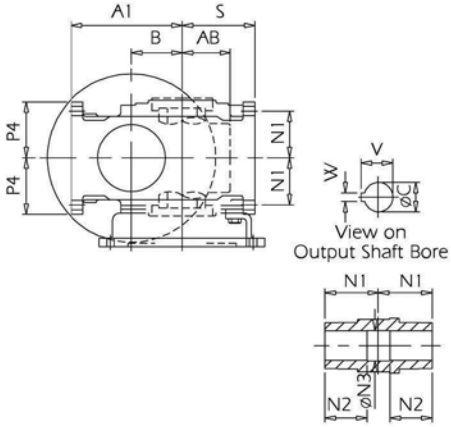
AJ

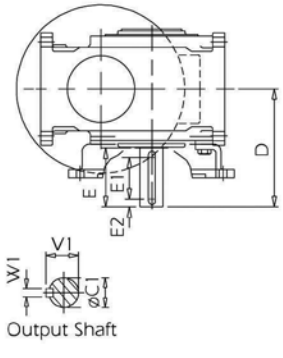
A	0			0				F	A

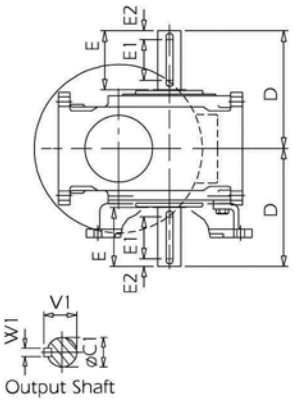
STANDARD UNIT FLANGE MOUNTED











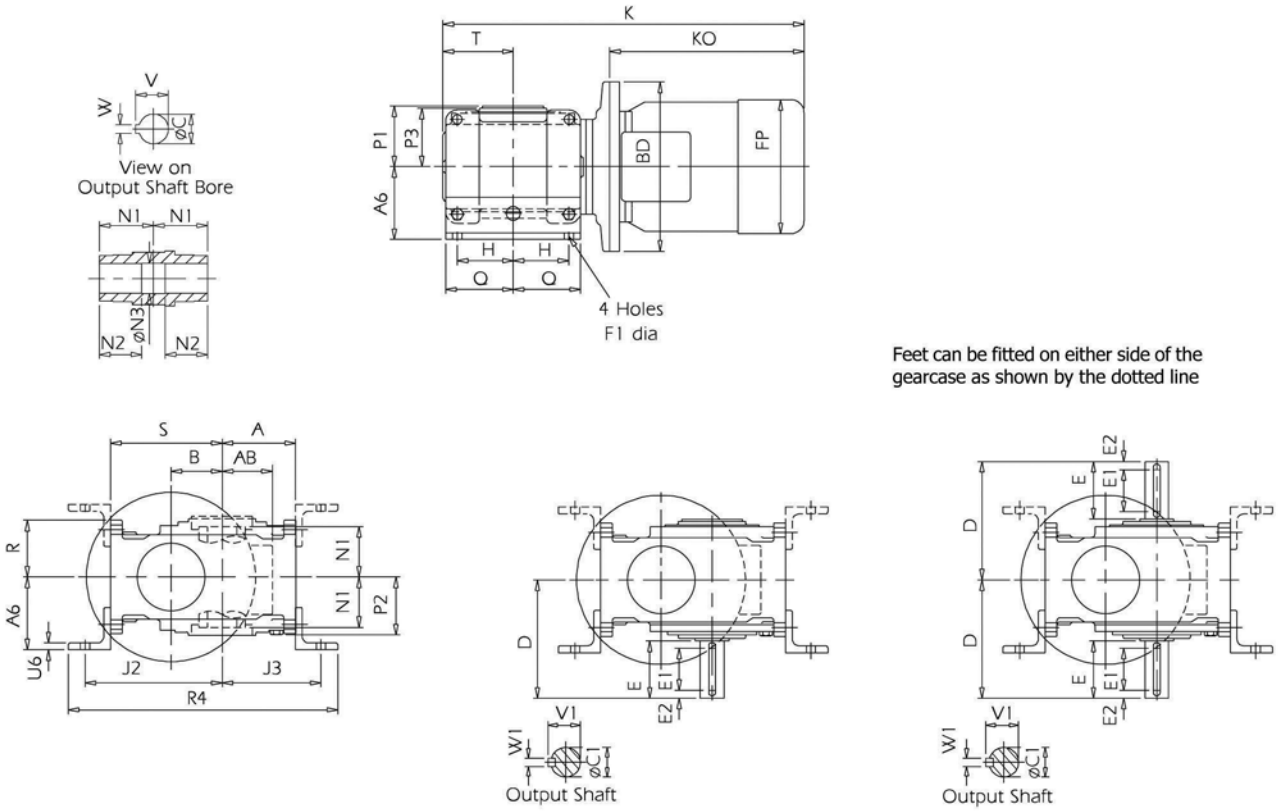
SIZE	A1	A3	A5	B	ø C	ø C1	D	E	E1	E2	F7	N1	N2	øN3
A0280	3.189	2.480	1.93	1.125	0.625	0.625	3.125	1.250	0.9375	0.16	ø0.26 on 3.937 pcd	1.575	1.26	0.635 0.630
A0410	3.976	3.150	2.36	1.625	0.750	0.750	3.875	1.625	1.3125	0.16	ø0.35 on 4.528 pcd	1.969	1.57	0.760 0.755
A0510	4.409	3.543	2.56	2.000	1.000	1.000	4.625	2.125	1.75	0.19	ø0.35 on 5.118 pcd	2.205	1.77	1.010 1.005
A0610	5.197	4.134	2.80	2.375	1.375	1.125	5.500	2.625	2.0	0.25	ø0.43 on 6.496 pcd	2.520	1.97	1.385 1.380
A0730	6.024	4.724	3.58	2.875	1.625	1.250	6.625	3.250	2.5	0.25	ø0.53 on 8.465 pcd	3.031	2.36	1.635 1.630
A0860	7.008	5.197	3.94	3.375	1.875	1.500	7.875	3.875	3.25	0.31	ø0.53 on 8.465 pcd	3.661	2.87	1.885 1.880

SIZE	P1	P3	P4	Q1	R2	R3	S	T	U3	U4	V	V1	W	W1
A0280	1.89	1.73	1.99	4.72	3.1508 3.1496	2.36	2.283	2.09	0.12	0.28	0.715 0.709	0.707 0.699	0.1895 0.1875	0.190 0.188
A0410	2.28	2.16	2.36	5.51	3.7415 3.7402	2.84	2.598	2.44	0.14	0.31	0.843 0.837	0.834 0.826	0.1895 0.1875	0.190 0.188
A0510	2.48	2.40	2.44	6.30	4.3321 4.3307	3.46	2.913	2.96	0.16	0.35	1.120 1.114	1.110 1.102	0.2520 0.2500	0.252 0.250
A0610	2.84	2.72	2.64	7.87	5.1197 5.1181	4.33	3.425	3.39	0.18	0.39	1.524 1.518	1.238 1.230	0.3145 0.3125	0.252 0.250
A0730	3.42	3.31	3.31	9.84	7.0882 7.0866	5.35	4.134	4.06	0.20	0.47	1.802 1.796	1.364 1.356	0.3770 0.3750	0.252 0.250
A0860	4.09	3.90	3.82	9.84	7.0882 7.0866	5.91	4.606	4.57	0.20	0.47	2.102 2.096	1.666 1.658	0.5020 0.5000	0.377 0.375

MOTORS		ALL SIZES				A0280	A0410	A0510	A0610	A0730	A0860
		KO	øBD	øFP	AB	K (max)	K (max)	K (max)	K (max)	K (max)	K (max)
MOTOR FRAME SIZE	56C	12.00	6.50	7.19	5.25	17.48	18.06	19.09	19.96		
	143/145TC	12.06	6.50	7.19	5.25		18.12	19.15	20.02	21.71	22.73
	182/184TC	15.44	9.00	8.50	5.88				23.95	25.29	26.55
	213/215TC	16.31	9.00	10.19	7.38						27.42

A	0			0				G	A

STANDARD UNIT SIDE MOUNTED FEET



SIZE	A	A6	B	ø C	ø C1	D	E	E1	E2	F1	H	J2	J3	N1
A0280	2.283	2.441	1.125	0.625	0.625	3.125	1.250	0.9375	0.16	0.35	2.067	4.00	3.09	1.575
A0410	2.598	2.953	1.625	0.750	0.750	3.875	1.625	1.3125	0.16	0.45	2.303	5.00	3.62	1.969
A0510	2.913	3.071	2.000	1.000	1.000	4.625	2.125	1.75	0.19	0.45	2.244	5.43	3.94	2.205
A0610	3.425	3.386	2.375	1.375	1.125	5.500	2.625	2.0	0.25	0.45	2.599	6.38	4.61	2.520
A0730	4.134	4.055	2.875	1.625	1.250	6.625	3.250	2.5	0.25	0.53	3.189	7.32	5.43	3.031
A0860	4.606	4.646	3.375	1.875	1.500	7.875	3.875	3.25	0.31	0.69	3.544	8.54	6.14	3.661

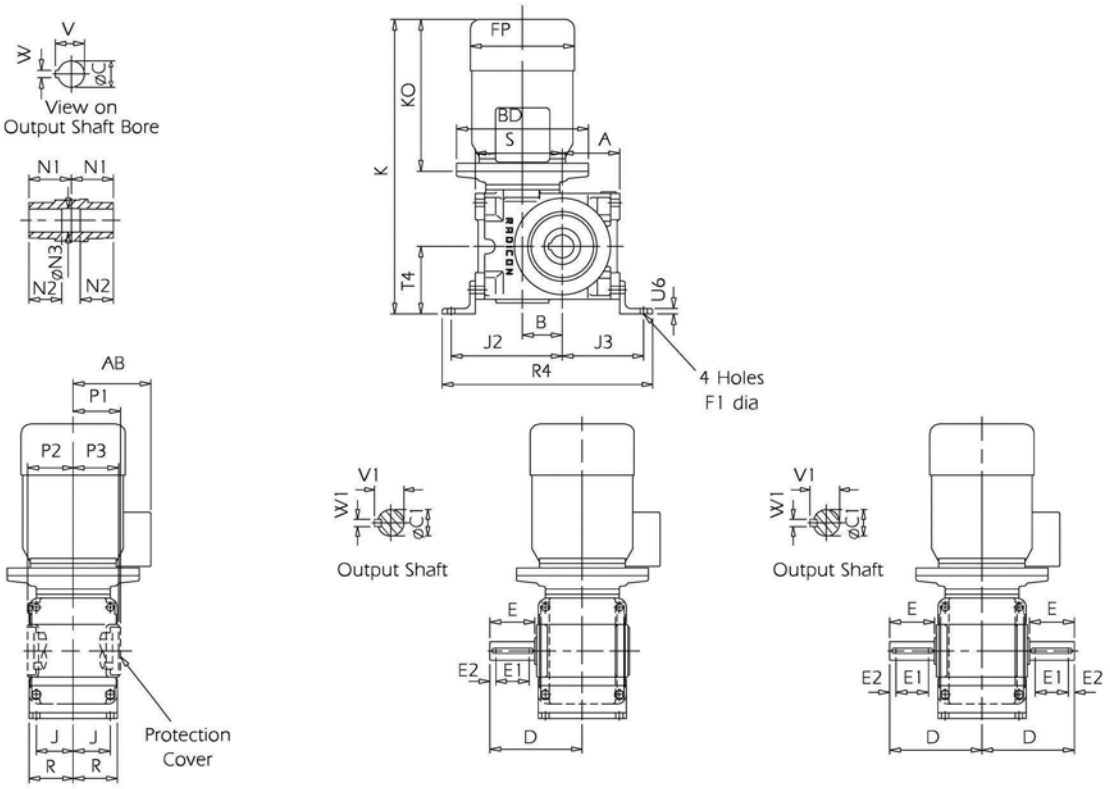
SIZE	N2	øN3	P1	P2	P3	R	R4	S	T	U6	V	V1	W	W1
A0280	1.26	0.635 0.630	1.89	1.77	1.73	1.99	7.84	3.189	2.09	0.20	0.715 0.709	0.707 0.699	0.1895 0.1875	0.190 0.188
A0410	1.57	0.760 0.755	2.28	2.16	2.16	2.36	9.72	3.976	2.44	0.24	0.843 0.837	0.834 0.826	0.1895 0.1875	0.190 0.188
A0510	1.77	1.010 1.005	2.48	2.40	2.40	2.44	10.47	4.409	2.96	0.24	1.120 1.114	1.110 1.102	0.2520 0.2500	0.252 0.250
A0610	1.97	1.385 1.380	2.84	2.64	2.72	2.64	12.56	5.197	3.39	0.31	1.524 1.518	1.238 1.230	0.3145 0.3125	0.252 0.250
A0730	2.36	1.635 1.630	3.42	3.19	3.31	3.31	14.09	6.024	4.06	0.31	1.802 1.796	1.364 1.356	0.3770 0.3750	0.252 0.250
A0860	2.87	1.885 1.880	4.09	3.82	3.90	3.82	16.34	7.008	4.57	0.39	2.102 2.096	1.666 1.658	0.5020 0.5000	0.377 0.375

MOTORS		ALL SIZES				A0280	A0410	A0510	A0610	A0730	A0860
		KO	øBD	øFP	AB	K (max)	K (max)	K (max)	K (max)	K (max)	K (max)
MOTOR FRAME SIZE	56C	12.00	6.50	7.19	5.25	17.48	18.06	19.09	19.96		
	143/145TC	12.06	6.50	7.19	5.25		18.12	19.15	20.02	21.71	22.73
	182/184TC	15.44	9.00	8.50	5.88				23.95	25.29	26.55
	213/215TC	16.31	9.00	10.19	7.38						27.42

AJ

A	0			0				H	A

STANDARD UNIT END MOUNTED FEET



AJ

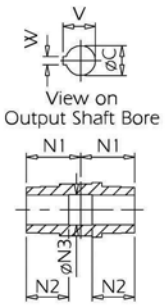
SIZE	A	B	ø C	ø C1	D	E	E1	E2	F1	J	J2	J3	N1	N2
A0280	2.283	1.125	0.625	0.625	3.125	1.250	0.9375	0.16	0.35	1.635	4.00	3.09	1.575	1.26
A0410	2.598	1.625	0.750	0.750	3.875	1.625	1.3125	0.16	0.45	1.930	5.00	3.62	1.969	1.57
A0510	2.913	2.000	1.000	1.000	4.625	2.125	1.75	0.19	0.45	2.045	5.43	3.94	2.205	1.77
A0610	3.425	2.375	1.375	1.125	5.500	2.625	2.0	0.25	0.45	2.205	6.38	4.61	2.520	1.97
A0730	4.134	2.875	1.625	1.250	6.625	3.250	2.5	0.25	0.53	2.755	7.32	5.43	3.031	2.36
A0860	4.606	3.375	1.875	1.500	7.875	3.875	3.25	0.31	0.69	3.110	8.54	6.14	3.661	2.87

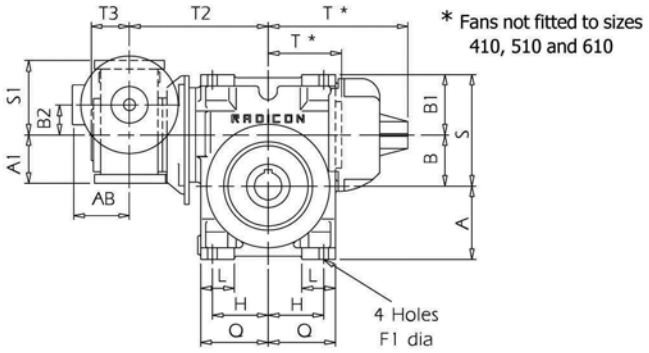
SIZE	øN3	P1	P2	P3	R	R4	S	T4	U6	V	V1	W	W1
A0280	0.635 0.630	1.89	1.77	1.73	1.99	7.84	3.189	2.874	0.20	0.715 0.709	0.707 0.699	0.1895 0.1875	0.190 0.188
A0410	0.760 0.755	2.28	2.16	2.16	2.36	9.72	3.976	3.327	0.24	0.843 0.837	0.834 0.826	0.1895 0.1875	0.190 0.188
A0510	1.010 1.005	2.48	2.40	2.40	2.44	10.47	4.409	3.268	0.24	1.120 1.114	1.110 1.102	0.2520 0.2500	0.252 0.250
A0610	1.385 1.380	2.84	2.64	2.72	2.64	12.56	5.197	3.780	0.31	1.524 1.518	1.238 1.230	0.3145 0.3125	0.252 0.250
A0730	1.635 1.630	3.42	3.19	3.31	3.31	14.09	6.024	4.488	0.31	1.802 1.796	1.364 1.356	0.3770 0.3750	0.252 0.250
A0860	1.885 1.880	4.09	3.82	3.90	3.82	16.34	7.008	5.079	0.39	2.102 2.096	1.666 1.658	0.5020 0.5000	0.377 0.375

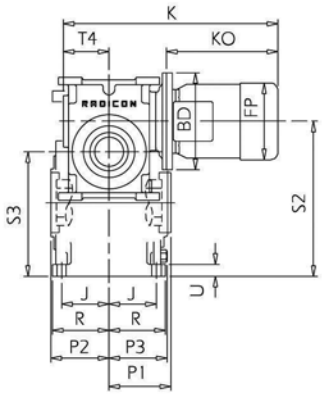
MOTORS		ALL SIZES				A0280	A0410	A0510	A0610	A0730	A0860
		KO	øBD	øFP	AB	K (max)	K (max)	K (max)	K (max)	K (max)	K (max)
MOTOR FRAME SIZE	56C	12.00	6.50	7.19	5.25	17.48	18.06	19.09	19.96		
	143/145TC	12.06	6.50	7.19	5.25		18.12	19.15	20.02	21.71	22.73
	182/184TC	15.44	9.00	8.50	5.88				23.95	25.29	26.55
	213/215TC	16.31	9.00	10.19	7.38						27.42

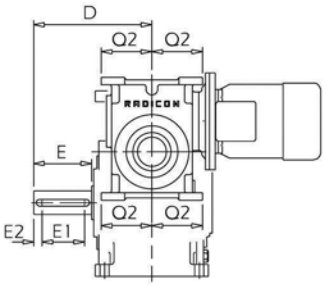
A	0			0				W	B

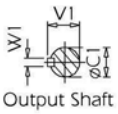
STANDARD UNIT

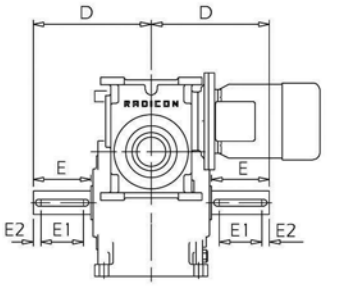


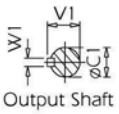












SIZE	A	A1	B	B1	B2	øC	øC1	D	E	E1	E2	F1	H	J	L	N1	N2	øN3	P1
A0410	2.598	2.283	1.625	2.350	1.125	0.750	0.750	3.875	1.625	1.3125	0.16	0.45	2.303	1.930	1.26	1.969	1.57	0.760 0.755	2.28
A0510	2.913	2.283	2.000	2.409	1.125	1.000	1.000	4.625	2.125	1.75	0.19	0.45	2.244	2.045	1.38	2.205	1.77	1.010 1.005	2.48
A0610	3.425	2.598	2.375	2.823	1.625	1.375	1.125	5.500	2.625	2.0	0.25	0.45	2.599	2.205	1.58	2.520	1.97	1.385 1.380	2.84
A0730	4.134	2.598	2.875	3.150	1.625	1.625	1.250	6.625	3.250	2.5	0.25	0.53	3.189	2.755	1.77	3.031	2.36	1.635 1.630	3.42
A0860	4.606	2.913	3.375	3.634	2.000	1.875	1.500	7.875	3.875	3.25	0.31	0.69	3.544	3.110	2.16	3.661	2.87	1.885 1.880	4.09

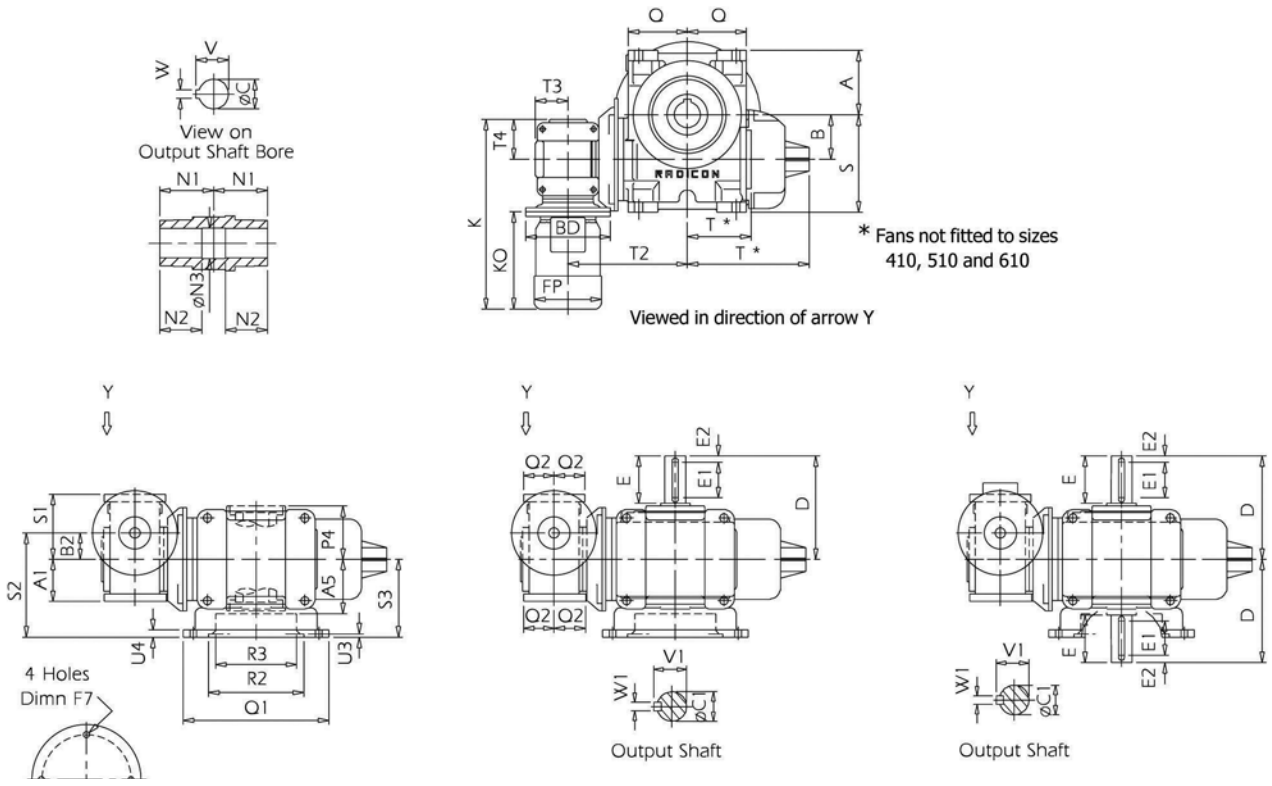
SIZE	P2	P3	Q	Q2	R	S	S1	S2	S3	T	T2	T3	T4	U	V	V1	W	W1
A0410	2.16	2.16	2.72	2.42	2.36	3.976	3.189	2.283	4.225	2.44	4.961	1.89	2.09	0.39	0.843 0.837	0.834 0.826	0.1895 0.1875	0.190 0.188
A0510	2.40	2.40	2.64	2.42	2.44	4.409	3.189	2.283	4.914	2.96	5.630	1.89	2.09	0.47	1.120 1.114	1.110 1.102	0.2520 0.2500	0.252 0.250
A0610	2.64	2.72	3.15	2.72	2.64	5.197	3.976	2.598	5.800	3.39	6.732	2.28	2.44	0.55	1.524 1.518	1.238 1.230	0.3145 0.3125	0.252 0.250
A0730	3.19	3.31	3.74	2.72	3.31	6.024	3.976	2.598	7.009	7.76	7.559	2.28	2.44	0.63	1.802 1.796	1.364 1.356	0.3770 0.3750	0.252 0.250
A0860	3.82	3.90	4.25	2.64	3.82	7.008	4.409	2.913	7.980	8.94	8.189	2.48	2.96	0.71	2.102 2.096	1.666 1.658	0.5020 0.5000	0.377 0.375

MOTORS		ALL SIZES				A0410	A0510	A0610	A0730	A0860
		KO	øBD	FP	AB	K (max)	K (max)	K (max)	K (max)	K (max)
MOTOR FRAME SIZE	56C	12.00	6.50	7.19	5.25	17.48	17.48	18.06	18.06	19.09
	143/145TC	12.06	6.50	7.19	5.25			18.12	18.12	19.15

AJ

A	0			0				F	B

STANDARD UNIT FLANGE MOUNTED



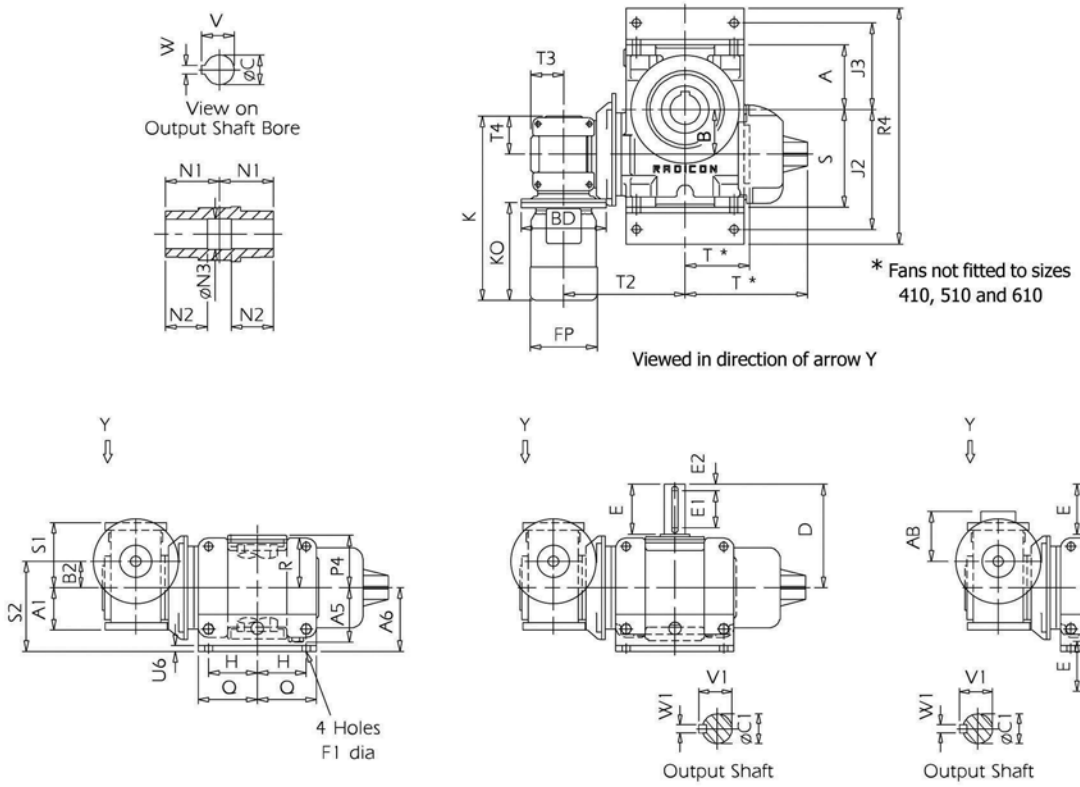
SIZE	A	A1	A5	B	B2	øC	øC1	D	E	E1	E2	F7	N1	N2	øN3	P4	Q	Q1
A0410	2.598	2.283	2.36	1.625	1.125	0.750	0.750	3.875	1.625	1.3125	0.16	0.35 on 4.528 pcd	1.969	1.57	0.760 0.755	2.16	2.72	5.51
A0510	2.913	2.283	2.56	2.000	1.125	1.000	1.000	4.625	2.125	1.75	0.19	ø0.35 on 5.118 pcd	2.205	1.77	1.010 1.005	2.40	2.64	6.30
A0610	3.425	2.598	2.80	2.375	1.625	1.375	1.125	5.500	2.625	2.0	0.25	ø 0.43 on 6.496 pcd	2.520	1.97	1.385 1.380	2.64	3.15	7.87
A0730	4.134	2.598	3.58	2.875	1.625	1.625	1.250	6.625	3.250	2.5	0.25	ø 0.53 on 8.465 pcd	3.031	2.36	1.635 1.630	3.19	3.74	9.84
A0860	4.606	2.913	3.94	3.375	2.000	1.875	1.500	7.875	3.875	3.25	0.31	ø0.53 on 8.465 pcd	3.661	2.87	1.885 1.880	3.82	4.25	9.84

SIZE	Q2	R2	R3	S	S1	S2	S3	T	T2	T3	T4	U3	U4	V	V1	W	W1
A0410	2.72	3.7415 3.7402	2.84	3.976	3.189	4.276	3.150	2.44	4.961	1.89	2.09	0.14	0.31	0.843 0.837	0.834 0.826	0.1895 0.1875	0.190 0.188
A0510	2.64	4.3321 4.3307	3.46	4.409	3.189	4.669	3.543	2.96	5.630	1.89	2.09	0.16	0.35	1.120 1.114	1.110 1.102	0.2520 0.2500	0.252 0.250
A0610	3.15	5.1197 5.1181	4.33	5.197	3.976	5.760	4.134	3.39	6.732	2.28	2.44	0.18	0.39	1.524 1.518	1.238 1.230	0.3145 0.3125	0.252 0.250
A0730	3.74	7.0882 7.0866	5.35	6.024	3.976	6.350	4.724	7.76	7.559	2.28	2.44	0.20	0.47	1.802 1.796	1.364 1.356	0.3770 0.3750	0.252 0.250
A0860	4.25	7.0882 7.0866	5.91	7.008	4.409	7.197	5.197	8.94	8.189	2.48	2.96	0.20	0.47	2.102 2.096	1.666 1.658	0.5020 0.5000	0.377 0.375

MOTORS		ALL SIZES				A0410	A0510	A0610	A0730	A0860
		KO	øBD	FP	AB	K (max)	K (max)	K (max)	K (max)	K (max)
MOTOR FRAME SIZE	56C	12.00	6.50	7.19	5.25	17.48	17.48	18.06	18.06	19.09
	143/145TC	12.06	6.50	7.19	5.25			18.12	18.12	19.15

A	0			0				G	B

STANDARD UNIT SIDE MOUNTED FEET



SIZE	A	A1	A5	A6	B	B2	øC	øC1	D	E	E1	E2	F1	H	J2	J3	N1	N2
A0410	2.598	2.283	2.16	2.953	1.625	1.125	0.750	0.750	3.875	1.625	1.3125	0.16	0.45	2.303	5.00	3.62	1.969	1.57
A0510	2.913	2.283	2.40	3.071	2.000	1.125	1.000	1.000	4.625	2.125	1.75	0.19	0.45	2.244	5.43	3.94	2.205	1.77
A0610	3.425	2.598	2.64	3.386	2.375	1.625	1.375	1.125	5.500	2.625	2.0	0.25	0.45	2.599	6.38	4.61	2.520	1.97
A0730	4.134	2.598	3.19	4.055	2.875	1.625	1.625	1.250	6.625	3.250	2.5	0.25	0.53	3.189	7.32	5.43	3.031	2.36
A0860	4.606	2.913	3.82	4.646	3.375	2.000	1.875	1.500	7.875	3.875	3.25	0.31	0.69	3.544	8.54	6.14	3.661	2.87

SIZE	øN3	P4	Q	R	S	S1	S2	T	T2	T3	T4	U6	V	V1	W	W1
A0410	0.760 0.755	2.16	2.72	2.36	3.976	3.189	2.283	2.44	4.961	1.89	2.09	0.24	0.843 0.837	0.834 0.826	0.1895 0.1875	0.190 0.188
A0510	1.010 1.005	2.40	2.64	2.44	4.409	3.189	2.283	2.96	5.630	1.89	2.09	0.24	1.120 1.114	1.110 1.102	0.2520 0.2500	0.252 0.250
A0610	1.385 1.380	2.72	3.15	2.64	5.197	3.976	2.598	3.39	6.732	2.28	2.44	0.31	1.524 1.518	1.238 1.230	0.3145 0.3125	0.252 0.250
A0730	1.635 1.630	3.31	3.74	3.31	6.024	3.976	2.598	7.76	7.559	2.28	2.44	0.31	1.802 1.796	1.364 1.356	0.3770 0.3750	0.252 0.250
A0860	1.885 1.880	3.90	4.25	3.82	7.008	4.409	2.913	8.94	8.189	2.48	2.96	0.39	2.102 2.096	1.666 1.658	0.5020 0.5000	0.377 0.375

MOTORS		ALL SIZES				A0410	A0510	A0610	A0730	A0860
		KO	øBD	FP	AB	K (max)	K (max)	K (max)	K (max)	K (max)
MOTOR FRAME SIZE	56C	12.00	6.50	7.19	5.25	17.48	17.48	18.06	18.06	19.09
	143/145TC	12.06	6.50	7.19	5.25			18.12	18.12	19.15

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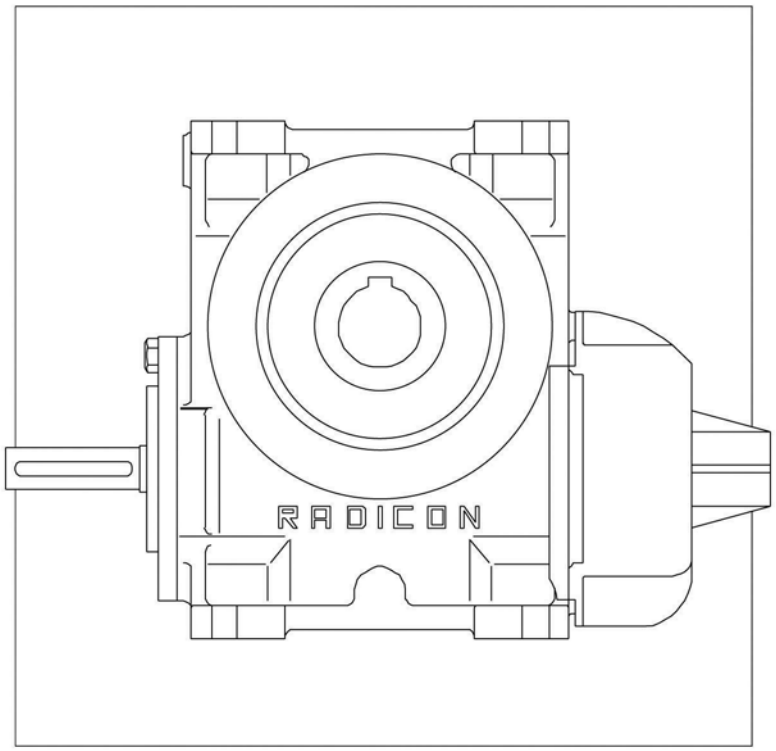

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REDUCER

Maximum permissible overhung loads

When a sprocket, gear etc. is mounted on the shaft a calculation, as below, must be made to determine the overhung load on the shaft, and the results compared to the maximum permissible overhung loads tabulated. Overhung loads can be reduced by increasing the diameter of the sprocket, gear, etc. If the maximum permissible overhung load is exceeded, the sprocket, gear, etc. should be mounted on a separate shaft, flexibly coupled and supported in its own bearings, or the gear unit shaft should be extended to run in an outboard bearing. Alternatively, a larger gear is often a less expensive solution.

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavour- able direction with the unit transmitting full rated power and the load P applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to application engineering for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life.

All units will accept 100% momentary overload on stated capacities.

Overhung load (lbs)

$$P = \frac{HP \times 126{,}000 \times K}{N \times D}$$

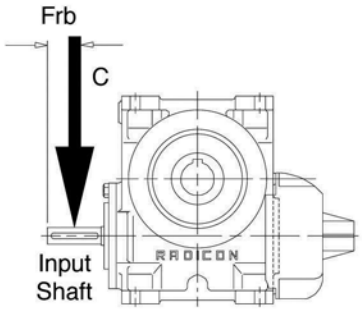
where

P = equivalent overhung load (lb)
H P = power transmitted by the shaft (HP)
N = speed of shaft (rpm)
D = pitch diameter of sprocket, etc. (in)
K = factor

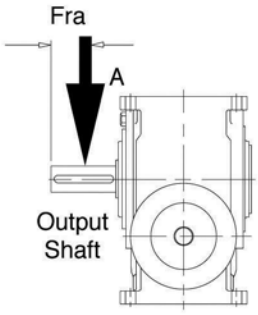
Overhung member	K (factor)
Chain sprocket*	1.00
Spur or helical pinion	1.25
Vee belt sheave	1.50
Flat belt pulley	2.00

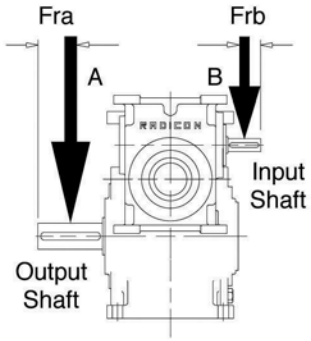
* If multistrand chain drives are equally loaded and the outer stand is further than dimension A output or B input, refer to application engineering.

Note: 1 lb = 2.2047 kg = 4.4484 Newtons.



Single reduction (worm)





Double reduction (worm/worm)

Distance midway along the shaft extension

Size of unit	Dimension A (inches)	Dimension B (inches)	Dimension C (inches)
A0280	0.625	-	0.5625
A0410	0.8125	0.5625	0.8125
A0510	1.0625	0.5625	0.9375
A0610	1.3125	0.8125	1.125
A0730	1.625	0.8125	1.375
A0860	1.9375	0.9375	1.625

OVERHUNG LOADS & AXIAL THRUSTS (POUNDS)

OVERHUNG LOAD OUTPUT SHAFT (POUNDS)

Input Shaft (rev/min)	Nominal Ratio	Nominal Output Speed (rev/min)	Size of Unit					
			A0280	A0410	A0510	A0610	A0730	A0860
1750	5.0	350	252	383	876	815	1300	2330
	7.5	233.33	250	376	878	820	1300	2330
	10.	175	249	341	822	798	1280	2310
	12.5	140	247	323	815	775	1220	2170
	15.	116.67	246	309	866	768	1230	2110
	20.	87.50	234	348	817	770	1250	2160
	25.	70	229	291	812	756	1140	1960
	30	58.33	235	220	793	747	1220	2020
	40	43.75	251	338	850	760	1230	2010
	50	35	253	378	878	829	1280	2170
	60	29.17	254	384	884	871	1340	2330
	70	25	255	386	889	899	1380	2340
1160	5.0	232	251	377	846	783	1250	2310
	7.5	154.67	249	355	851	783	1250	2210
	10.	116	232	325	804	760	1250	2160
	12.5	92.80	231	293	787	749	1190	2130
	15.	77.33	234	152	848	741	1190	2020
	20.	58	227	338	763	728	1220	2120
	25	46.40	221	-	735	684	934	1810
	30	38.67	232	-	758	679	1180	1920
	40	29	251	330	810	745	1190	1900
	50	23.20	253	362	876	819	1260	2140
	60	19.33	254	383	883	864	1330	2320
	70	16.57	255	386	888	893	1380	2340

OVERHUNG LOAD INPUT SHAFT (POUNDS)

Input Shaft (rev/min)	Nominal Ratio	Nominal Output Speed (rev/min)	Size of Unit					
			A0280	A0410	A0510	A0610	A0730	A0860
1750	5.0	350	23.1	125	39.6	40.7	195	80.6
	7.5	233.33	38.8	110	103	100	103	170
	10.	175	39.2	67.4	93.9	84.8	60.9	152
	12.5	140	74	97.4	88.8	85.3	99.1	54.0
	15.	116.67	40	94.3	45.5	67.1	82.4	101
	20.	87.50	89.7	41.9	161	149	43.4	61.1
	25.	70	65.5	82.9	143	142	140	206
	30	58.33	60.2	64.9	64.9	114	85.5	131
	40	43.75	103	69.9	41.2	78.5	50.1	88.3
	50	35	104	59.8	82.9	105	52.3	93.8
	60	29.17	104	122	76.6	97.7	122	136
	70	25	104	80.5	69.7	140	173	226
1160	5.0	232	6.9	104	0.2	0.1	134	8.1
	7.5	154.67	24.1	90.3	75.6	66.1	49.2	101
	10.	116	24.6	54	75	50.4	30.1	89
	12.5	92.80	58.7	75.2	59.2	63.1	67.1	11.8
	15.	77.33	32.1	69.8	29	42.3	50.8	57.7
	20.	58	73.6	32.7	120	110	11.9	19.4
	25	46.40	48.4	63.4	97.6	89	99.6	138
	30	38.67	52	51.2	40.4	59.2	51.5	83.3
	40	29	102	60.8	21.9	60.7	14.3	37
	50	23.20	103	53.5	73.4	92.5	35.7	70.1
	60	19.33	104	117	70	88.2	109	117
	70	16.57	104	77.1	64.8	133	163	212

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AXIAL THRUST OUTPUT SHAFT (POUNDS)

Input Shaft (rev/min)	Nominal Ratio	Nominal Output Speed (rev/min)	Size of Unit					
			A0280	A0410	A0510	A0610	A0730	A0860
1750	5.0	350	690	845	1110	1010	1670	1500
	7.5	233.33	707	868	1110	1010	1670	1920
	10.	175	709	852	1050	984	1640	1960
	12.5	140	722	853	1050	956	1570	1980
	15.	116.67	724	849	1100	947	1580	1990
	20.	87.50	734	924	1050	949	1610	2130
	25.	70	729	884	1040	932	1470	2020
	30	58.33	743	873	1020	920	1570	2090
	40	43.75	784	943	1080	937	1580	2090
	50	35	805	993	1130	1020	1640	2240
	60	29.17	818	1020	1170	1070	1720	2360
	70	25	828	1040	1200	1110	1780	2440
1160	5.0	232	654	787	1070	965	1600	1310
	7.5	154.67	677	818	1080	966	1610	1750
	10.	116	681	818	1020	936	1600	1810
	12.5	92.80	697	804	1000	923	1530	1890
	15.	77.33	712	800	1070	913	1530	1890
	20.	58	714	907	987	898	1570	2060
	25	46.40	708	855	966	843	1410	1900
	30	38.67	735	857	989	837	1520	2010
	40	29	780	934	1050	919	1540	2020
	50	23.20	802	987	1120	1010	1620	2210
	60	19.33	816	1020	1170	1070	1710	2340
	70	16.57	826	1040	1200	1100	1770	2420

AXIAL THRUST INPUT SHAFT (POUNDS)

Input Shaft (rev/min)	Nominal Ratio	Nominal Output Speed (rev/min)	Size of Unit					
			A0280	A0410	A0510	A0610	A0730	A0860
1750	5.0	350	258	873	319	785	1350	1440
	7.5	233.33	217	819	340	851	1370	1640
	10.	175	154	707	439	804	1310	1530
	12.5	140	140	641	419	684	1080	1480
	15.	116.67	146	599	391	651	1130	1250
	20.	87.50	89.5	759	402	624	1240	1460
	25.	70	71.8	545	370	595	731	907
	30	58.33	114	511	319	548	1040	1090
	40	43.75	231	703	517	622	1110	1120
	50	35	289	836	378	910	1330	1530
	60	29.17	327	908	797	1090	1570	1880
	70	25	351	961	883	1190	1750	2080
1160	5.0	232	256	815	301	790	1420	1480
	7.5	154.67	212	754	341	832	1440	1570
	10.	116	143	655	460	760	1470	1420
	12.5	92.80	129	554	391	682	1210	1450
	15.	77.33	167	502	331	642	1270	1190
	20.	58	75.8	730	298	553	1390	1400
	25	46.40	57.6	471	261	407	829	714
	30	38.67	139	474	333	377	1170	1000
	40	29	267	684	559	658	1250	1030
	50	23.20	330	826	770	958	1580	1560
	60	19.33	369	905	899	1140	1840	1910
	70	16.57	397	961	991	1260	2010	2130

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT					
				A0280	A0410	A0510	A0610	A0730	A0860
SINGLE REDUCTION	5.0	700.00	Input Power HP (mechanical)	1.45	3.29	6.95	10.40	14.90	25.70
			Input Power HP (thermal)	3.46	4.46	7.87	10.80	30.00	39.10
			Output Power HP (mechanical)	1.27	2.88	6.33	9.56	13.90	24.10
			Output Torque lb.in (mech.)	120	272	547	860	1300	2100
			Efficiency %	88	87	91	92	93	94
	7.5	466.67	Input Power HP (mechanical)	1.33	2.94	4.99	7.66	11.60	17.60
			Input Power HP (thermal)	2.73	3.64	6.08	8.74	26.30	32.80
			Output Power HP (mechanical)	1.13	2.52	4.40	6.86	10.70	16.20
			Output Torque lb.in (mech.)	149	332	581	906	1390	2120
			Efficiency %	85	86	88	90	92	92
	10.0	350.00	Input Power HP (mechanical)	1.22	2.94	5.08	6.88	9.81	15.70
			Input Power HP (thermal)	2.06	2.94	4.63	7.50	22.00	27.60
			Output Power HP (mechanical)	1.00	2.46	4.37	6.09	8.82	14.30
			Output Torque lb.in (mech.)	188	464	825	1060	1640	2480
			Efficiency %	82	84	86	89	90	91
	12.5	280.00	Input Power HP (mechanical)	1.11	2.73	4.51	6.94	10.60	14.30
			Input Power HP (thermal)	1.72	2.50	4.14	5.94	17.40	25.00
			Output Power HP (mechanical)	0.86	2.22	3.80	5.96	9.38	12.90
			Output Torque lb.in (mech.)	194	499	855	1340	2110	2950
			Efficiency %	78	81	84	85	88	90
	15.0	233.33	Input Power HP (mechanical)	1.01	2.63	3.55	6.11	9.45	14.30
			Input Power HP (thermal)	1.72	2.29	4.12	5.34	16.40	20.50
			Output Power HP (mechanical)	0.79	2.10	2.94	5.15	8.31	12.70
			Output Torque lb.in (mech.)	206	549	768	1390	2170	3320
			Efficiency %	78	79	83	84	88	89
	20.0	175.00	Input Power HP (mechanical)	0.89	1.76	3.86	5.21	6.87	10.30
			Input Power HP (thermal)	1.15	2.20	2.62	3.75	13.90	17.40
			Output Power HP (mechanical)	0.61	1.34	2.97	4.14	5.84	8.86
			Output Torque lb.in (mech.)	219	471	1070	1490	2050	3110
			Efficiency %	69	76	74	77	85	86
	25.0	140.00	Input Power HP (mechanical)	0.80	2.00	3.25	5.05	7.23	10.30
			Input Power HP (thermal)	1.06	1.54	2.38	3.36	9.44	11.70
			Output Power HP (mechanical)	0.53	1.42	2.42	3.89	5.84	8.42
			Output Torque lb.in (mech.)	237	638	1090	1750	2630	3790
			Efficiency %	66	69	72	74	81	82
	30.0	116.67	Input Power HP (mechanical)	0.66	1.77	2.71	4.13	5.47	8.91
			Input Power HP (thermal)	1.00	1.42	2.27	3.06	8.92	11.10
			Output Power HP (mechanical)	0.42	1.20	1.94	3.06	4.30	7.17
			Output Torque lb.in (mech.)	225	649	1050	1650	2320	3870
			Efficiency %	63	66	70	71	79	80
	40.0	87.50	Input Power HP (mechanical)	0.43	1.22	1.83	3.08	4.20	6.82
			Input Power HP (thermal)	0.82	1.29	2.09	2.72	7.71	9.63
			Output Power HP (mechanical)	0.22	0.76	1.22	2.14	3.13	5.24
			Output Torque lb.in (mech.)	161	545	878	1540	2250	3770
			Efficiency %	52	62	67	68	74	77
	50.0	70.00	Input Power HP (mechanical)	0.31	0.81	1.36	2.14	3.29	5.06
			Input Power HP (thermal)	0.63	0.96	1.46	1.95	5.68	6.82
			Output Power HP (mechanical)	0.14	0.45	0.82	1.36	2.33	3.67
			Output Torque lb.in (mech.)	130	402	735	1220	2100	3300
			Efficiency %	47	55	60	63	71	72
	60.0	58.33	Input Power HP (mechanical)	0.24	0.62	0.98	1.51	2.36	3.53
			Input Power HP (thermal)	0.53	0.76	1.26	1.69	4.56	5.65
			Output Power HP (mechanical)	0.09	0.29	0.53	0.88	1.53	2.38
			Output Torque lb.in (mech.)	100	313	575	949	1650	2570
			Efficiency %	39	46	54	58	65	67
	70.0	50.00	Input Power HP (mechanical)	0.19	0.49	0.74	1.18	1.77	2.72
			Input Power HP (thermal)	0.43	0.64	1.02	1.30	3.47	4.29
			Output Power HP (mechanical)	0.06	0.21	0.36	0.61	1.03	1.68
			Output Torque lb.in (mech.)	80	258	454	774	1300	2120
			Efficiency %	34	42	49	52	58	62

RATINGS AT 3500 REV / MIN INPUT

DOUBLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
			A0410	A0510	A0610	A0730	A0860
75.0	46.67	Input Power HP (mechanical)	0.99	1.23	2.21	2.89	5.35
		Input Power HP (thermal)	1.45	2.40	3.37	4.29	6.82
		Output Power HP (mechanical)	0.64	0.85	1.50	2.14	4.18
		Output Torque lb.in (mech.)	881	1160	2120	2930	5240
		Efficiency %	65	69	68	74	78
100.	35.00	Input Power HP (mechanical)	0.60	1.34	1.96	2.40	3.73
		Input Power HP (thermal)	1.36	1.65	2.54	4.29	5.90
		Output Power HP (mechanical)	0.36	0.83	1.20	1.70	2.77
		Output Torque lb.in (mech.)	656	1560	2260	3130	4660
		Efficiency %	59	62	61	71	74
125.	28.00	Input Power HP (mechanical)	0.69	1.34	1.93	2.68	4.30
		Input Power HP (thermal)	1.01	1.50	2.26	3.52	4.29
		Output Power HP (mechanical)	0.37	0.79	1.13	1.78	3.00
		Output Torque lb.in (mech.)	881	1870	2670	4210	6480
		Efficiency %	54	59	59	66	70
150.	23.33	Input Power HP (mechanical)	0.59	0.80	1.43	2.03	3.16
		Input Power HP (thermal)	1.19	2.01	2.74	2.83	3.98
		Output Power HP (mechanical)	0.32	0.48	0.84	1.36	2.20
		Output Torque lb.in (mech.)	881	1310	2390	3720	6030
		Efficiency %	54	60	59	67	70
200.	17.50	Input Power HP (mechanical)	0.40	1.00	1.29	1.54	2.25
		Input Power HP (thermal)	1.14	1.36	2.00	2.83	3.66
		Output Power HP (mechanical)	0.19	0.54	0.68	0.96	1.45
		Output Torque lb.in (mech.)	711	2040	2560	3530	5360
		Efficiency %	48	54	52	62	65
225.	15.56	Input Power HP (mechanical)	0.47	0.66	1.20	1.68	2.54
		Input Power HP (thermal)	1.09	1.90	2.52	2.21	3.58
		Output Power HP (mechanical)	0.23	0.37	0.65	1.04	1.69
		Output Torque lb.in (mech.)	881	1390	2540	3950	6390
		Efficiency %	50	56	54	62	66
250.	14.00	Input Power HP (mechanical)	0.43	0.91	1.28	1.56	2.54
		Input Power HP (thermal)	0.83	1.22	1.80	2.45	2.73
		Output Power HP (mechanical)	0.19	0.46	0.64	0.89	1.53
		Output Torque lb.in (mech.)	881	2190	3020	4210	7210
		Efficiency %	43	51	50	57	60
300.	11.67	Input Power HP (mechanical)	0.43	0.61	0.99	1.38	2.21
		Input Power HP (thermal)	1.09	1.27	2.32	2.13	2.26
		Output Power HP (mechanical)	0.17	0.28	0.51	0.82	1.30
		Output Torque lb.in (mech.)	881	1470	2680	4170	6780
		Efficiency %	39	46	52	59	59
350.	10.00	Input Power HP (mechanical)	0.35	0.72	1.07	1.25	0.98
		Input Power HP (thermal)	0.76	1.12	1.67	2.21	1.80
		Output Power HP (mechanical)	0.14	0.34	0.48	0.65	0.42
		Output Torque lb.in (mech.)	881	2190	3150	4210	2530
		Efficiency %	38	47	45	52	43
375.	9.33	Input Power HP (mechanical)	0.20	0.26	0.51	0.65	1.96
		Input Power HP (thermal)	0.50	0.72	1.08	1.50	2.34
		Output Power HP (mechanical)	0.05	0.08	0.14	0.24	1.10
		Output Torque lb.in (mech.)	312	548	934	1570	7210
		Efficiency %	24	31	27	37	56
400.	8.75	Input Power HP (mechanical)	0.32	0.73	0.91	1.04	1.62
		Input Power HP (thermal)	1.07	1.26	1.70	2.13	2.26
		Output Power HP (mechanical)	0.11	0.30	0.41	0.56	0.86
		Output Torque lb.in (mech.)	755	2190	2870	3840	6030
		Efficiency %	33	42	45	54	53
450.	7.78	Input Power HP (mechanical)	0.32	0.58	0.97	1.11	1.69
		Input Power HP (thermal)	0.71	1.10	1.56	2.11	2.22
		Output Power HP (mechanical)	0.11	0.25	0.40	0.54	0.91
		Output Torque lb.in (mech.)	881	1980	3150	4210	7130
		Efficiency %	35	44	42	48	54
500.	7.00	Input Power HP (mechanical)	0.34	0.63	0.85	0.99	1.66
		Input Power HP (thermal)	0.79	1.14	1.52	2.07	2.26
		Output Power HP (mechanical)	0.10	0.24	0.36	0.48	0.80
		Output Torque lb.in (mech.)	881	2190	3150	4210	7210
		Efficiency %	29	39	42	48	48
600.	5.83	Input Power HP (mechanical)	0.31	0.54	0.77	0.88	1.47
		Input Power HP (thermal)	0.74	1.11	1.42	1.95	2.14
		Output Power HP (mechanical)	0.08	0.19	0.30	0.40	0.67
		Output Torque lb.in (mech.)	881	2080	3150	4210	7210
		Efficiency %	26	36	39	45	45
625.	5.60	Input Power HP (mechanical)	0.29	0.54	0.80	0.91	1.43
		Input Power HP (thermal)	0.76	1.10	1.55	1.49	2.05
		Output Power HP (mechanical)	0.08	0.20	0.28	0.37	0.64
		Output Torque lb.in (mech.)	881	2190	3150	4210	7210
		Efficiency %	27	36	35	41	45
700.	5.00	Input Power HP (mechanical)	0.24	0.23	0.51	0.51	0.77
		Input Power HP (thermal)	0.43	0.47	0.85	0.62	0.89
		Output Power HP (mechanical)	0.05	0.05	0.16	0.16	0.29
		Output Torque lb.in (mech.)	626	603	1890	2060	3550
		Efficiency %	20	20	30	31	38
750.	4.67	Input Power HP (mechanical)	0.27	0.47	0.73	0.82	1.27
		Input Power HP (thermal)	0.71	1.08	1.45	1.49	2.05
		Output Power HP (mechanical)	0.07	0.16	0.23	0.31	0.53
		Output Torque lb.in (mech.)	881	2110	3150	4210	7210
		Efficiency %	24	33	32	38	42
800.	4.38	Input Power HP (mechanical)	0.25	0.46	0.68	0.74	1.05
		Input Power HP (thermal)	0.82	0.89	1.61	1.25	1.83
		Output Power HP (mechanical)	0.06	0.14	0.22	0.29	0.46
		Output Torque lb.in (mech.)	795	1950	3150	4050	6480
		Efficiency %	22	30	32	39	44

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	900.	3.89	Input Power HP (mechanical)	0.25	0.42	0.66	0.74	1.12
			Input Power HP (thermal)	0.70	1.06	1.42	1.37	1.98
			Output Power HP (mechanical)	0.05	0.13	0.19	0.26	0.45
			Output Torque lb.in (mech.)	881	2130	3150	4210	7210
			Efficiency %	22	31	30	35	40
	1000.	3.50	Input Power HP (mechanical)	0.26	0.44	0.61	0.69	1.03
			Input Power HP (thermal)	0.76	0.89	1.45	1.25	1.83
			Output Power HP (mechanical)	0.05	0.12	0.18	0.23	0.40
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	19	28	29	34	39
	1200.	2.92	Input Power HP (mechanical)	0.24	0.39	0.56	0.63	0.92
			Input Power HP (thermal)	0.72	0.89	1.37	1.25	1.83
			Output Power HP (mechanical)	0.04	0.10	0.15	0.20	0.33
			Output Torque lb.in (mech.)	881	2170	3150	4210	7210
			Efficiency %	17	25	26	31	36
	1250.	2.80	Input Power HP (mechanical)	0.23	0.34	0.54	0.61	0.93
			Input Power HP (thermal)	0.63	0.70	1.27	0.93	1.28
			Output Power HP (mechanical)	0.04	0.08	0.14	0.19	0.32
			Output Torque lb.in (mech.)	881	1830	3150	4210	7210
			Efficiency %	17	24	26	31	35
	1400.	2.50	Input Power HP (mechanical)	0.21	0.23	0.51	0.51	0.77
			Input Power HP (thermal)	0.43	0.47	0.85	0.62	0.89
			Output Power HP (mechanical)	0.03	0.04	0.13	0.14	0.26
			Output Torque lb.in (mech.)	822	934	3150	3520	6480
			Efficiency %	16	16	24	28	34
	1500.	2.33	Input Power HP (mechanical)	0.21	0.34	0.50	0.55	0.83
			Input Power HP (thermal)	0.63	0.70	1.27	0.93	1.28
			Output Power HP (mechanical)	0.03	0.08	0.12	0.16	0.27
			Output Torque lb.in (mech.)	881	2130	3150	4210	7210
			Efficiency %	15	23	23	28	32
	1600.	2.19	Input Power HP (mechanical)	0.21	0.27	0.44	0.54	0.78
			Input Power HP (thermal)	0.67	0.89	1.26	1.25	1.71
			Output Power HP (mechanical)	0.03	0.05	0.08	0.14	0.24
			Output Torque lb.in (mech.)	795	1460	2400	4040	6970
			Efficiency %	13	19	19	26	31
	1750.	2.00	Input Power HP (mechanical)	0.21	0.23	0.47	0.51	0.76
			Input Power HP (thermal)	0.43	0.47	0.85	0.62	0.89
			Output Power HP (mechanical)	0.03	0.03	0.10	0.13	0.23
			Output Torque lb.in (mech.)	881	1100	3150	3970	7210
			Efficiency %	13	15	21	25	30
	1800.	1.94	Input Power HP (mechanical)	0.21	0.28	0.49	0.53	0.75
			Input Power HP (thermal)	0.53	0.58	1.01	0.74	1.11
			Output Power HP (mechanical)	0.03	0.05	0.10	0.13	0.22
			Output Torque lb.in (mech.)	881	1610	3150	4210	7210
			Efficiency %	13	18	20	24	30
	2000.	1.75	Input Power HP (mechanical)	0.19	0.24	0.39	0.48	0.71
			Input Power HP (thermal)	0.63	0.70	1.23	0.93	1.28
			Output Power HP (mechanical)	0.02	0.04	0.07	0.11	0.20
			Output Torque lb.in (mech.)	804	1470	2430	4090	7050
			Efficiency %	12	17	17	24	28
	2100.	1.67	Input Power HP (mechanical)	0.20	0.23	0.44	0.48	0.69
			Input Power HP (thermal)	0.43	0.47	0.85	0.62	0.89
			Output Power HP (mechanical)	0.02	0.03	0.08	0.11	0.19
			Output Torque lb.in (mech.)	881	1290	3150	4210	7210
			Efficiency %	12	15	19	23	28
	2400.	1.46	Input Power HP (mechanical)	0.19	0.24	0.39	0.47	0.65
			Input Power HP (thermal)	0.53	0.58	1.01	0.74	1.11
			Output Power HP (mechanical)	0.02	0.03	0.06	0.10	0.17
			Output Torque lb.in (mech.)	810	1490	2450	4120	7110
			Efficiency %	10	15	15	20	25
	2500.	1.40	Input Power HP (mechanical)	0.16	0.19	0.32	0.38	0.53
			Input Power HP (thermal)	0.60	0.70	1.09	0.93	1.28
			Output Power HP (mechanical)	0.01	0.02	0.04	0.07	0.11
			Output Torque lb.in (mech.)	576	1050	1750	3050	4780
			Efficiency %	8	12	12	18	20
	2800.	1.25	Input Power HP (mechanical)	0.18	0.23	0.36	0.42	0.60
			Input Power HP (thermal)	0.43	0.47	0.85	0.62	0.89
			Output Power HP (mechanical)	0.02	0.03	0.05	0.08	0.14
			Output Torque lb.in (mech.)	816	1500	2470	4150	7160
			Efficiency %	9	13	14	19	24
	3000.	1.17	Input Power HP (mechanical)	0.16	0.19	0.33	0.38	0.49
			Input Power HP (thermal)	0.53	0.58	1.01	0.74	1.11
			Output Power HP (mechanical)	0.01	0.02	0.03	0.06	0.09
			Output Torque lb.in (mech.)	581	1060	1760	3080	4820
			Efficiency %	7	10	10	15	18
	3500.	1.00	Input Power HP (mechanical)	0.16	0.19	0.30	0.34	0.46
			Input Power HP (thermal)	0.43	0.47	0.85	0.62	0.89
			Output Power HP (mechanical)	0.009	0.02	0.03	0.05	0.08
			Output Torque lb.in (mech.)	585	1070	1780	3100	4850
			Efficiency %	6	9	9	14	17
	3600.	0.97	Input Power HP (mechanical)	0.15	0.17	0.30	0.33	0.41
			Input Power HP (thermal)	0.53	0.58	1.01	0.74	1.11
			Output Power HP (mechanical)	0.007	0.01	0.02	0.04	0.06
			Output Torque lb.in (mech.)	443	814	1340	2330	3630
			Efficiency %	4	7	7	11	14
	4200.	0.83	Input Power HP (mechanical)	0.15	0.17	0.27	0.30	0.39
			Input Power HP (thermal)	0.43	0.47	0.85	0.62	0.89
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	448	822	1360	2360	3670
			Efficiency %	4	7	7	10	13

RATINGS AT 2400 REV / MIN INPUT

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT					
				A0280	A0410	A0510	A0610	A0730	A0860
SINGLE REDUCTION	5.0	480.00	Input Power HP (mechanical)	1.18	2.67	5.71	8.56	12.30	21.20
			Input Power HP (thermal)	2.87	4.00	6.77	9.42	23.70	30.20
			Output Power HP (mechanical)	1.04	2.37	5.20	7.85	11.40	19.90
			Output Torque lb.in (mech.)	143	326	655	1030	1560	2530
			Efficiency %	88	89	91	92	93	94
	7.5	320.00	Input Power HP (mechanical)	1.08	2.38	4.07	6.25	9.48	14.40
			Input Power HP (thermal)	2.29	3.30	5.38	7.79	20.60	25.40
			Output Power HP (mechanical)	0.92	2.05	3.60	5.61	8.72	13.30
			Output Torque lb.in (mech.)	177	395	693	1080	1660	2540
			Efficiency %	85	86	88	90	92	93
	10.0	240.00	Input Power HP (mechanical)	0.99	2.36	4.12	5.60	7.93	12.70
			Input Power HP (thermal)	1.75	2.65	4.13	6.69	17.00	21.30
			Output Power HP (mechanical)	0.80	1.98	3.54	4.93	7.19	11.70
			Output Torque lb.in (mech.)	221	546	977	1250	1950	2960
			Efficiency %	81	84	86	88	91	92
	12.5	192.00	Input Power HP (mechanical)	0.89	2.20	3.65	5.31	8.28	11.40
			Input Power HP (thermal)	1.47	2.27	3.68	5.33	13.60	19.10
			Output Power HP (mechanical)	0.70	1.79	3.08	4.54	7.38	10.30
			Output Torque lb.in (mech.)	229	588	1010	1490	2420	3420
			Efficiency %	78	81	84	86	89	90
	15.0	160.00	Input Power HP (mechanical)	0.82	2.11	2.70	4.71	7.19	11.50
			Input Power HP (thermal)	1.45	2.07	3.61	4.77	12.80	15.80
			Output Power HP (mechanical)	0.63	1.69	2.24	3.96	6.33	10.20
			Output Torque lb.in (mech.)	241	645	853	1560	2410	3900
			Efficiency %	77	80	83	84	88	89
	20.0	120.00	Input Power HP (mechanical)	0.71	1.33	3.11	4.01	5.22	7.82
			Input Power HP (thermal)	0.98	1.95	2.36	3.41	10.80	13.30
			Output Power HP (mechanical)	0.49	1.02	2.38	3.16	4.47	6.78
			Output Torque lb.in (mech.)	255	524	1250	1660	2290	3470
			Efficiency %	68	77	75	78	86	87
	25.0	96.00	Input Power HP (mechanical)	0.64	1.59	2.60	3.90	5.75	8.20
			Input Power HP (thermal)	0.91	1.39	2.12	3.04	7.48	9.17
			Output Power HP (mechanical)	0.42	1.13	1.92	2.97	4.66	6.74
			Output Torque lb.in (mech.)	274	739	1260	1950	3060	4420
			Efficiency %	65	70	73	75	81	82
	30.0	80.00	Input Power HP (mechanical)	0.53	1.40	2.15	3.31	4.16	6.80
			Input Power HP (thermal)	0.85	1.27	2.00	2.75	6.98	8.61
			Output Power HP (mechanical)	0.33	0.95	1.54	2.43	3.28	5.49
			Output Torque lb.in (mech.)	259	750	1210	1910	2580	4320
			Efficiency %	62	67	71	72	79	81
	40.0	60.00	Input Power HP (mechanical)	0.32	0.90	1.40	2.43	3.19	5.39
			Input Power HP (thermal)	0.69	1.14	1.82	2.41	5.99	7.40
			Output Power HP (mechanical)	0.16	0.55	0.93	1.68	2.39	4.15
			Output Torque lb.in (mech.)	172	580	977	1760	2510	4360
			Efficiency %	52	62	66	69	75	77
	50.0	48.00	Input Power HP (mechanical)	0.22	0.58	0.98	1.56	2.40	3.70
			Input Power HP (thermal)	0.54	0.85	1.29	1.76	4.44	5.26
			Output Power HP (mechanical)	0.10	0.33	0.59	0.98	1.72	2.70
			Output Torque lb.in (mech.)	137	426	779	1290	2260	3540
			Efficiency %	47	56	60	63	72	73
	60.0	40.00	Input Power HP (mechanical)	0.17	0.44	0.70	1.09	1.68	2.53
			Input Power HP (thermal)	0.45	0.69	1.11	1.52	3.57	4.36
			Output Power HP (mechanical)	0.07	0.21	0.39	0.64	1.10	1.72
			Output Torque lb.in (mech.)	105	331	607	1000	1740	2710
			Efficiency %	40	48	55	58	66	68
	70.0	34.29	Input Power HP (mechanical)	0.13	0.34	0.52	0.84	1.24	1.93
			Input Power HP (thermal)	0.37	0.58	0.90	1.18	2.74	3.34
			Output Power HP (mechanical)	0.05	0.15	0.26	0.44	0.75	1.21
			Output Torque lb.in (mech.)	85	272	478	816	1370	2230
			Efficiency %	35	44	50	53	60	63

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	75.0	32.00	Input Power HP (mechanical)	0.69	0.92	1.63	2.34	4.00
			Input Power HP (thermal)	1.24	2.08	2.92	3.87	5.21
			Output Power HP (mechanical)	0.44	0.62	1.10	1.73	3.08
			Output Torque lb.in (mech.)	881	1240	2280	3460	5630
			Efficiency %	64	68	68	74	77
	100.	24.00	Input Power HP (mechanical)	0.43	1.09	1.45	1.77	2.78
			Input Power HP (thermal)	1.18	1.44	2.10	3.72	4.41
			Output Power HP (mechanical)	0.26	0.66	0.88	1.25	2.04
			Output Torque lb.in (mech.)	687	1820	2430	3350	5010
			Efficiency %	59	61	61	70	73
	125.	19.20	Input Power HP (mechanical)	0.49	1.08	1.44	1.88	3.23
			Input Power HP (thermal)	0.84	1.28	1.86	2.72	3.22
			Output Power HP (mechanical)	0.26	0.62	0.83	1.22	2.22
			Output Torque lb.in (mech.)	881	2150	2870	4210	6980
			Efficiency %	53	58	58	65	68
	150.	16.00	Input Power HP (mechanical)	0.41	0.59	1.04	1.50	2.34
			Input Power HP (thermal)	1.02	1.81	2.34	2.57	3.43
			Output Power HP (mechanical)	0.22	0.35	0.62	1.00	1.62
			Output Torque lb.in (mech.)	881	1400	2570	3990	6460
			Efficiency %	54	59	60	67	69
	200.	12.00	Input Power HP (mechanical)	0.29	0.75	0.95	1.12	1.66
			Input Power HP (thermal)	0.99	1.17	1.70	2.57	2.94
			Output Power HP (mechanical)	0.14	0.40	0.50	0.70	1.07
			Output Torque lb.in (mech.)	738	2190	2750	3760	5750
			Efficiency %	48	53	53	62	64
	225.	10.67	Input Power HP (mechanical)	0.33	0.49	0.87	1.23	1.88
			Input Power HP (thermal)	0.95	1.53	2.20	2.01	3.06
			Output Power HP (mechanical)	0.16	0.27	0.48	0.76	1.24
			Output Torque lb.in (mech.)	881	1480	2720	4210	6850
			Efficiency %	49	55	55	62	66
	250.	9.60	Input Power HP (mechanical)	0.30	0.64	0.92	1.09	1.77
			Input Power HP (thermal)	0.71	1.06	1.51	2.07	2.18
			Output Power HP (mechanical)	0.13	0.32	0.46	0.61	1.05
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	42	49	50	56	59
	300.	8.00	Input Power HP (mechanical)	0.30	0.45	0.71	0.96	1.63
			Input Power HP (thermal)	0.98	1.01	2.03	1.89	2.07
			Output Power HP (mechanical)	0.12	0.21	0.37	0.57	0.95
			Output Torque lb.in (mech.)	881	1560	2850	4210	7210
			Efficiency %	39	46	52	59	58
	350.	6.86	Input Power HP (mechanical)	0.24	0.51	0.74	0.87	0.68
			Input Power HP (thermal)	0.67	0.99	1.42	1.97	1.34
			Output Power HP (mechanical)	0.09	0.23	0.33	0.44	0.30
			Output Torque lb.in (mech.)	881	2190	3150	4210	2610
			Efficiency %	38	45	45	51	44
	375.	6.40	Input Power HP (mechanical)	0.13	0.18	0.34	0.44	1.36
			Input Power HP (thermal)	0.42	0.63	0.91	1.16	1.96
			Output Power HP (mechanical)	0.03	0.06	0.10	0.17	0.76
			Output Torque lb.in (mech.)	321	564	963	1620	7210
			Efficiency %	25	32	29	38	56
	400.	6.00	Input Power HP (mechanical)	0.23	0.51	0.65	0.73	1.17
			Input Power HP (thermal)	0.95	1.01	1.47	1.89	2.07
			Output Power HP (mechanical)	0.08	0.21	0.30	0.40	0.62
			Output Torque lb.in (mech.)	777	2190	3060	3950	6340
			Efficiency %	34	41	46	54	53
	450.	5.33	Input Power HP (mechanical)	0.22	0.43	0.66	0.76	1.18
			Input Power HP (thermal)	0.62	0.97	1.33	1.86	1.86
			Output Power HP (mechanical)	0.08	0.18	0.28	0.37	0.63
			Output Torque lb.in (mech.)	881	2080	3150	4210	7210
			Efficiency %	35	43	42	48	54
	500.	4.80	Input Power HP (mechanical)	0.23	0.45	0.58	0.68	1.15
			Input Power HP (thermal)	0.69	1.01	1.31	1.86	1.96
			Output Power HP (mechanical)	0.07	0.17	0.25	0.33	0.55
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	29	37	42	48	48
	600.	4.00	Input Power HP (mechanical)	0.21	0.39	0.53	0.60	1.01
			Input Power HP (thermal)	0.65	1.00	1.23	1.76	1.86
			Output Power HP (mechanical)	0.06	0.14	0.21	0.27	0.46
			Output Torque lb.in (mech.)	881	2130	3150	4210	7210
			Efficiency %	27	35	39	45	45
	625.	3.84	Input Power HP (mechanical)	0.20	0.38	0.54	0.63	0.99
			Input Power HP (thermal)	0.67	0.92	1.34	1.35	1.86
			Output Power HP (mechanical)	0.05	0.13	0.19	0.26	0.44
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	27	35	35	41	44
	700.	3.43	Input Power HP (mechanical)	0.17	0.16	0.35	0.35	0.54
			Input Power HP (thermal)	0.37	0.40	0.75	0.56	0.80
			Output Power HP (mechanical)	0.03	0.03	0.11	0.11	0.21
			Output Torque lb.in (mech.)	654	630	1970	2150	3710
			Efficiency %	20	20	31	33	39
	750.	3.20	Input Power HP (mechanical)	0.19	0.34	0.49	0.56	0.87
			Input Power HP (thermal)	0.63	0.92	1.26	1.35	1.80
			Output Power HP (mechanical)	0.04	0.11	0.16	0.21	0.37
			Output Torque lb.in (mech.)	881	2160	3150	4210	7210
			Efficiency %	24	33	32	38	42
	800.	3.00	Input Power HP (mechanical)	0.18	0.33	0.46	0.51	0.74
			Input Power HP (thermal)	0.68	0.70	1.40	1.10	1.61
			Output Power HP (mechanical)	0.04	0.10	0.15	0.20	0.32
			Output Torque lb.in (mech.)	814	2040	3150	4150	6630
			Efficiency %	23	29	32	40	44

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	900.	2.67	Input Power HP (mechanical)	0.17	0.30	0.45	0.50	0.77
			Input Power HP (thermal)	0.62	0.86	1.24	1.23	1.75
			Output Power HP (mechanical)	0.04	0.09	0.13	0.18	0.31
			Output Torque lb.in (mech.)	881	2180	3150	4210	7210
			Efficiency %	22	30	30	35	40
	1000.	2.40	Input Power HP (mechanical)	0.18	0.31	0.41	0.47	0.71
			Input Power HP (thermal)	0.68	0.70	1.28	1.10	1.61
			Output Power HP (mechanical)	0.03	0.08	0.12	0.16	0.28
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	19	27	29	34	39
	1200.	2.00	Input Power HP (mechanical)	0.16	0.28	0.38	0.42	0.63
			Input Power HP (thermal)	0.65	0.70	1.21	1.10	1.61
			Output Power HP (mechanical)	0.03	0.07	0.10	0.13	0.23
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	17	25	26	32	36
	1250.	1.92	Input Power HP (mechanical)	0.15	0.24	0.36	0.41	0.63
			Input Power HP (thermal)	0.54	0.59	1.11	0.83	1.14
			Output Power HP (mechanical)	0.03	0.06	0.10	0.13	0.22
			Output Torque lb.in (mech.)	881	1900	3150	4210	7210
			Efficiency %	18	24	27	31	35
	1400.	1.71	Input Power HP (mechanical)	0.15	0.16	0.35	0.35	0.54
			Input Power HP (thermal)	0.37	0.40	0.75	0.56	0.80
			Output Power HP (mechanical)	0.02	0.03	0.09	0.10	0.19
			Output Torque lb.in (mech.)	838	970	3150	3660	6740
			Efficiency %	16	16	25	29	35
	1500.	1.60	Input Power HP (mechanical)	0.14	0.24	0.33	0.37	0.56
			Input Power HP (thermal)	0.54	0.59	1.11	0.83	1.14
			Output Power HP (mechanical)	0.02	0.06	0.08	0.11	0.18
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	16	23	24	29	32
	1600.	1.50	Input Power HP (mechanical)	0.14	0.19	0.29	0.36	0.53
			Input Power HP (thermal)	0.61	0.70	1.11	1.10	1.55
			Output Power HP (mechanical)	0.02	0.04	0.06	0.10	0.17
			Output Torque lb.in (mech.)	809	1490	2450	4120	7100
			Efficiency %	14	19	20	27	32
	1750.	1.37	Input Power HP (mechanical)	0.14	0.16	0.31	0.35	0.52
			Input Power HP (thermal)	0.37	0.40	0.75	0.56	0.80
			Output Power HP (mechanical)	0.02	0.02	0.07	0.09	0.16
			Output Torque lb.in (mech.)	881	1150	3150	4110	7210
			Efficiency %	13	15	22	26	30
	1800.	1.33	Input Power HP (mechanical)	0.14	0.20	0.32	0.36	0.51
			Input Power HP (thermal)	0.45	0.50	0.89	0.67	0.99
			Output Power HP (mechanical)	0.02	0.04	0.07	0.09	0.15
			Output Torque lb.in (mech.)	881	1670	3150	4210	7210
			Efficiency %	13	18	21	25	30
	2000.	1.20	Input Power HP (mechanical)	0.13	0.17	0.26	0.32	0.48
			Input Power HP (thermal)	0.54	0.59	1.09	0.83	1.14
			Output Power HP (mechanical)	0.02	0.03	0.05	0.08	0.14
			Output Torque lb.in (mech.)	817	1500	2470	4160	7170
			Efficiency %	12	17	18	25	28
	2100.	1.14	Input Power HP (mechanical)	0.14	0.16	0.29	0.32	0.46
			Input Power HP (thermal)	0.37	0.40	0.75	0.56	0.80
			Output Power HP (mechanical)	0.02	0.02	0.06	0.08	0.13
			Output Torque lb.in (mech.)	881	1330	3150	4210	7210
			Efficiency %	12	15	20	24	28
	2400.	1.00	Input Power HP (mechanical)	0.13	0.16	0.26	0.31	0.44
			Input Power HP (thermal)	0.45	0.50	0.89	0.67	0.99
			Output Power HP (mechanical)	0.01	0.02	0.04	0.07	0.11
			Output Torque lb.in (mech.)	824	1510	2490	4190	7210
			Efficiency %	10	15	15	21	26
	2500.	0.96	Input Power HP (mechanical)	0.11	0.13	0.21	0.25	0.35
			Input Power HP (thermal)	0.54	0.59	0.97	0.83	1.14
			Output Power HP (mechanical)	0.009	0.02	0.03	0.05	0.07
			Output Torque lb.in (mech.)	586	1070	1780	3110	4870
			Efficiency %	8	12	13	19	22
	2800.	0.86	Input Power HP (mechanical)	0.12	0.16	0.23	0.28	0.40
			Input Power HP (thermal)	0.37	0.40	0.75	0.56	0.80
			Output Power HP (mechanical)	0.01	0.02	0.03	0.06	0.10
			Output Torque lb.in (mech.)	833	1530	2520	4210	7210
			Efficiency %	9	13	15	20	24
	3000.	0.80	Input Power HP (mechanical)	0.11	0.13	0.21	0.25	0.32
			Input Power HP (thermal)	0.45	0.50	0.89	0.67	0.99
			Output Power HP (mechanical)	0.007	0.01	0.02	0.04	0.06
			Output Torque lb.in (mech.)	594	1090	1800	3150	4930
			Efficiency %	7	10	11	16	20
	3500.	0.69	Input Power HP (mechanical)	0.11	0.13	0.19	0.22	0.30
			Input Power HP (thermal)	0.37	0.40	0.75	0.56	0.80
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	600	1100	1820	3180	4980
			Efficiency %	6	9	10	15	18
	3600.	0.67	Input Power HP (mechanical)	0.10	0.12	0.18	0.21	0.26
			Input Power HP (thermal)	0.45	0.50	0.89	0.67	0.99
			Output Power HP (mechanical)	0.005	0.009	0.01	0.03	0.04
			Output Torque lb.in (mech.)	455	835	1380	2390	3730
			Efficiency %	5	8	8	12	15
	4200.	0.57	Input Power HP (mechanical)	0.10	0.11	0.17	0.19	0.25
			Input Power HP (thermal)	0.37	0.40	0.75	0.56	0.80
			Output Power HP (mechanical)	0.004	0.008	0.01	0.02	0.03
			Output Torque lb.in (mech.)	459	844	1390	2420	3770
			Efficiency %	4	7	8	11	14

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT					
				A0280	A0410	A0510	A0610	A0730	A0860
SINGLE REDUCTION	5.0	350.00	Input Power HP (mechanical)	1.00	2.25	4.84	7.26	10.40	18.00
			Input Power HP (thermal)	2.44	3.55	5.87	8.23	18.90	23.80
			Output Power HP (mechanical)	0.87	1.99	4.39	6.61	9.67	16.90
			Output Torque lb.in (mech.)	165	376	759	1190	1810	2940
			Efficiency %	88	88	91	91	93	94
	7.5	233.33	Input Power HP (mechanical)	0.91	2.00	3.42	5.27	7.97	12.10
			Input Power HP (thermal)	1.96	2.95	4.74	6.91	16.40	20.10
			Output Power HP (mechanical)	0.77	1.72	3.02	4.73	7.36	11.20
			Output Torque lb.in (mech.)	203	454	797	1250	1920	2930
			Efficiency %	85	86	88	90	92	93
	10.0	175.00	Input Power HP (mechanical)	0.83	1.88	3.45	4.69	6.39	10.70
			Input Power HP (thermal)	1.50	2.37	3.66	5.95	13.50	16.80
			Output Power HP (mechanical)	0.67	1.57	2.94	4.11	5.78	9.77
			Output Torque lb.in (mech.)	252	594	1110	1430	2150	3400
			Efficiency %	81	84	85	88	90	91
	12.5	140.00	Input Power HP (mechanical)	0.74	1.83	3.05	4.24	6.60	9.04
			Input Power HP (thermal)	1.27	2.04	3.26	4.76	10.90	15.00
			Output Power HP (mechanical)	0.58	1.48	2.56	3.60	5.87	8.18
			Output Torque lb.in (mech.)	259	668	1150	1620	2640	3730
			Efficiency %	77	81	84	85	89	90
	15.0	116.67	Input Power HP (mechanical)	0.66	1.76	2.16	3.77	5.73	9.16
			Input Power HP (thermal)	1.25	1.86	3.18	4.25	10.20	12.50
			Output Power HP (mechanical)	0.51	1.40	1.78	3.15	5.04	8.14
			Output Torque lb.in (mech.)	264	730	927	1700	2630	4250
			Efficiency %	77	79	82	84	88	89
	20.0	87.50	Input Power HP (mechanical)	0.59	1.06	2.59	3.23	4.16	6.24
			Input Power HP (thermal)	0.86	1.73	2.11	3.08	8.60	10.50
			Output Power HP (mechanical)	0.40	0.81	1.96	2.50	3.55	5.38
			Output Torque lb.in (mech.)	287	566	1410	1800	2490	3780
			Efficiency %	67	76	75	77	85	86
	25.0	70.00	Input Power HP (mechanical)	0.53	1.32	2.17	3.15	4.74	6.80
			Input Power HP (thermal)	0.79	1.25	1.90	2.74	6.04	7.32
			Output Power HP (mechanical)	0.34	0.92	1.58	2.36	3.82	5.54
			Output Torque lb.in (mech.)	308	831	1420	2120	3440	4990
			Efficiency %	65	70	72	75	81	82
	30.0	58.33	Input Power HP (mechanical)	0.42	1.15	1.73	2.76	3.33	5.45
			Input Power HP (thermal)	0.73	1.14	1.78	2.47	5.61	6.84
			Output Power HP (mechanical)	0.26	0.77	1.21	1.99	2.60	4.35
			Output Torque lb.in (mech.)	281	831	1310	2150	2810	4700
			Efficiency %	61	67	70	72	78	80
	40.0	43.75	Input Power HP (mechanical)	0.25	0.69	1.12	1.90	2.55	4.35
			Input Power HP (thermal)	0.60	1.02	1.62	2.17	4.81	5.87
			Output Power HP (mechanical)	0.13	0.42	0.74	1.28	1.90	3.33
			Output Torque lb.in (mech.)	180	608	1060	1840	2740	4790
			Efficiency %	51	61	66	67	75	76
	50.0	35.00	Input Power HP (mechanical)	0.17	0.45	0.76	1.21	1.85	2.85
			Input Power HP (thermal)	0.47	0.77	1.16	1.59	3.58	4.19
			Output Power HP (mechanical)	0.08	0.25	0.45	0.75	1.31	2.05
			Output Torque lb.in (mech.)	144	445	814	1350	2360	3690
			Efficiency %	47	55	60	62	71	72
	60.0	29.17	Input Power HP (mechanical)	0.13	0.33	0.53	0.84	1.28	1.94
			Input Power HP (thermal)	0.40	0.62	1.00	1.38	2.90	3.48
			Output Power HP (mechanical)	0.05	0.16	0.29	0.49	0.84	1.31
			Output Torque lb.in (mech.)	110	344	633	1050	1810	2830
			Efficiency %	40	48	55	58	65	68
	70.0	25.00	Input Power HP (mechanical)	0.10	0.25	0.39	0.64	0.94	1.47
			Input Power HP (thermal)	0.33	0.53	0.81	1.08	2.24	2.69
			Output Power HP (mechanical)	0.03	0.11	0.20	0.34	0.57	0.92
			Output Torque lb.in (mech.)	88	283	497	848	1430	2320
			Efficiency %	35	44	50	53	60	63

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	75.0	23.33	Input Power HP (mechanical)	0.51	0.71	1.27	1.86	3.12
			Input Power HP (thermal)	1.09	1.88	2.56	3.44	4.24
			Output Power HP (mechanical)	0.32	0.48	0.84	1.36	2.37
			Output Torque lb.in (mech.)	881	1310	2390	3720	5940
			Efficiency %	63	67	66	73	76
	100.	17.50	Input Power HP (mechanical)	0.33	0.91	1.13	1.38	2.17
			Input Power HP (thermal)	1.05	1.26	1.83	3.11	3.60
			Output Power HP (mechanical)	0.19	0.54	0.68	0.96	1.57
			Output Torque lb.in (mech.)	711	2040	2560	3530	5290
			Efficiency %	58	59	60	69	72
	125.	14.00	Input Power HP (mechanical)	0.36	0.82	1.12	1.40	2.49
			Input Power HP (thermal)	0.74	1.12	1.63	2.28	2.63
			Output Power HP (mechanical)	0.19	0.46	0.64	0.89	1.67
			Output Torque lb.in (mech.)	881	2190	3020	4210	7210
			Efficiency %	52	56	57	64	67
	150.	11.67	Input Power HP (mechanical)	0.30	0.46	0.81	1.16	1.83
			Input Power HP (thermal)	0.92	1.55	2.10	2.30	3.01
			Output Power HP (mechanical)	0.16	0.27	0.48	0.77	1.25
			Output Torque lb.in (mech.)	881	1480	2720	4210	6840
			Efficiency %	53	58	59	66	68
	200.	8.75	Input Power HP (mechanical)	0.21	0.56	0.74	0.85	1.29
			Input Power HP (thermal)	0.89	1.06	1.51	2.30	2.58
			Output Power HP (mechanical)	0.10	0.29	0.39	0.52	0.83
			Output Torque lb.in (mech.)	758	2190	2910	3860	6090
			Efficiency %	48	51	52	62	64
	225.	7.78	Input Power HP (mechanical)	0.24	0.38	0.67	0.91	1.46
			Input Power HP (thermal)	0.87	1.26	1.99	1.80	2.77
			Output Power HP (mechanical)	0.12	0.21	0.37	0.56	0.95
			Output Torque lb.in (mech.)	881	1560	2860	4210	7200
			Efficiency %	48	54	54	61	65
	250.	7.00	Input Power HP (mechanical)	0.22	0.48	0.68	0.81	1.32
			Input Power HP (thermal)	0.64	0.96	1.35	1.88	1.91
			Output Power HP (mechanical)	0.09	0.23	0.33	0.45	0.76
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	42	48	49	55	58
	300.	5.83	Input Power HP (mechanical)	0.22	0.35	0.55	0.71	1.21
			Input Power HP (thermal)	0.80	0.84	1.85	1.68	1.87
			Output Power HP (mechanical)	0.08	0.16	0.28	0.41	0.69
			Output Torque lb.in (mech.)	881	1640	2990	4210	7210
			Efficiency %	39	45	52	58	57
	350.	5.00	Input Power HP (mechanical)	0.18	0.38	0.55	0.64	0.51
			Input Power HP (thermal)	0.60	0.91	1.28	1.80	1.10
			Output Power HP (mechanical)	0.07	0.17	0.24	0.32	0.22
			Output Torque lb.in (mech.)	881	2190	3150	4210	2680
			Efficiency %	38	44	44	50	44
	375.	4.67	Input Power HP (mechanical)	0.10	0.14	0.25	0.33	1.01
			Input Power HP (thermal)	0.38	0.57	0.83	0.97	1.77
			Output Power HP (mechanical)	0.02	0.04	0.07	0.13	0.55
			Output Torque lb.in (mech.)	328	577	985	1660	7210
			Efficiency %	26	32	30	38	55
	400.	4.38	Input Power HP (mechanical)	0.17	0.39	0.50	0.55	0.88
			Input Power HP (thermal)	0.80	0.84	1.33	1.68	1.87
			Output Power HP (mechanical)	0.06	0.15	0.22	0.30	0.46
			Output Torque lb.in (mech.)	795	2190	3150	4040	6480
			Efficiency %	34	39	45	54	52
	450.	3.89	Input Power HP (mechanical)	0.16	0.32	0.49	0.56	0.88
			Input Power HP (thermal)	0.56	0.89	1.19	1.72	1.68
			Output Power HP (mechanical)	0.06	0.14	0.20	0.27	0.46
			Output Torque lb.in (mech.)	881	2130	3150	4210	7210
			Efficiency %	35	42	41	48	52
	500.	3.50	Input Power HP (mechanical)	0.17	0.33	0.43	0.51	0.86
			Input Power HP (thermal)	0.63	0.84	1.19	1.68	1.78
			Output Power HP (mechanical)	0.05	0.12	0.18	0.24	0.40
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	29	36	42	47	47
	600.	2.92	Input Power HP (mechanical)	0.15	0.29	0.39	0.45	0.75
			Input Power HP (thermal)	0.59	0.84	1.11	1.63	1.69
			Output Power HP (mechanical)	0.04	0.10	0.15	0.20	0.33
			Output Torque lb.in (mech.)	881	2170	3150	4210	7210
			Efficiency %	26	34	39	45	44
	625.	2.80	Input Power HP (mechanical)	0.15	0.29	0.40	0.47	0.74
			Input Power HP (thermal)	0.61	0.77	1.22	1.21	1.68
			Output Power HP (mechanical)	0.04	0.10	0.14	0.19	0.32
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	27	34	35	40	43
	700.	2.50	Input Power HP (mechanical)	0.12	0.12	0.26	0.26	0.40
			Input Power HP (thermal)	0.33	0.36	0.68	0.51	0.72
			Output Power HP (mechanical)	0.03	0.02	0.08	0.09	0.16
			Output Torque lb.in (mech.)	675	651	2040	2220	3830
			Efficiency %	21	20	32	33	39
	750.	2.33	Input Power HP (mechanical)	0.14	0.25	0.36	0.41	0.65
			Input Power HP (thermal)	0.58	0.77	1.15	1.21	1.67
			Output Power HP (mechanical)	0.03	0.08	0.12	0.16	0.27
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	24	32	32	38	41
	800.	2.19	Input Power HP (mechanical)	0.13	0.26	0.34	0.38	0.55
			Input Power HP (thermal)	0.56	0.59	1.17	0.99	1.44
			Output Power HP (mechanical)	0.03	0.07	0.11	0.15	0.24
			Output Torque lb.in (mech.)	828	2110	3150	4210	6750
			Efficiency %	23	29	32	39	44

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	900.	1.94	Input Power HP (mechanical)	0.12	0.23	0.33	0.37	0.57
			Input Power HP (thermal)	0.57	0.71	1.13	1.11	1.58
			Output Power HP (mechanical)	0.03	0.07	0.10	0.13	0.22
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	22	30	30	35	39
	1000.	1.75	Input Power HP (mechanical)	0.13	0.23	0.30	0.35	0.53
			Input Power HP (thermal)	0.56	0.59	1.17	0.99	1.44
			Output Power HP (mechanical)	0.02	0.06	0.09	0.12	0.20
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	19	26	29	34	38
	1200.	1.46	Input Power HP (mechanical)	0.12	0.21	0.28	0.31	0.46
			Input Power HP (thermal)	0.56	0.59	1.11	0.99	1.44
			Output Power HP (mechanical)	0.02	0.05	0.07	0.10	0.17
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	17	24	26	31	36
	1250.	1.40	Input Power HP (mechanical)	0.11	0.19	0.26	0.30	0.47
			Input Power HP (thermal)	0.47	0.50	0.99	0.75	1.03
			Output Power HP (mechanical)	0.02	0.04	0.07	0.09	0.16
			Output Torque lb.in (mech.)	881	1960	3150	4210	7210
			Efficiency %	17	24	27	31	34
	1400.	1.25	Input Power HP (mechanical)	0.11	0.12	0.25	0.26	0.40
			Input Power HP (thermal)	0.33	0.36	0.68	0.51	0.72
			Output Power HP (mechanical)	0.02	0.02	0.06	0.08	0.14
			Output Torque lb.in (mech.)	850	997	3150	3770	6930
			Efficiency %	16	16	25	30	35
	1500.	1.17	Input Power HP (mechanical)	0.10	0.18	0.24	0.27	0.42
			Input Power HP (thermal)	0.47	0.50	0.99	0.75	1.03
			Output Power HP (mechanical)	0.02	0.04	0.06	0.08	0.13
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	16	23	24	29	32
	1600.	1.09	Input Power HP (mechanical)	0.10	0.14	0.21	0.27	0.39
			Input Power HP (thermal)	0.56	0.59	1.03	0.99	1.44
			Output Power HP (mechanical)	0.01	0.03	0.04	0.07	0.13
			Output Torque lb.in (mech.)	821	1510	2480	4170	7200
			Efficiency %	14	19	21	27	32
	1750.	1.00	Input Power HP (mechanical)	0.11	0.12	0.23	0.26	0.38
			Input Power HP (thermal)	0.33	0.36	0.68	0.51	0.72
			Output Power HP (mechanical)	0.01	0.02	0.05	0.07	0.11
			Output Torque lb.in (mech.)	881	1180	3150	4210	7210
			Efficiency %	13	15	22	26	30
	1800.	0.97	Input Power HP (mechanical)	0.10	0.15	0.24	0.26	0.37
			Input Power HP (thermal)	0.40	0.43	0.80	0.60	0.89
			Output Power HP (mechanical)	0.01	0.03	0.05	0.06	0.11
			Output Torque lb.in (mech.)	881	1720	3150	4210	7210
			Efficiency %	13	18	21	25	30
	2000.	0.88	Input Power HP (mechanical)	0.09	0.12	0.19	0.23	0.35
			Input Power HP (thermal)	0.47	0.50	0.99	0.75	1.03
			Output Power HP (mechanical)	0.01	0.02	0.04	0.06	0.10
			Output Torque lb.in (mech.)	831	1530	2520	4210	7210
			Efficiency %	13	17	19	25	28
	2100.	0.83	Input Power HP (mechanical)	0.10	0.12	0.21	0.23	0.34
			Input Power HP (thermal)	0.33	0.36	0.68	0.51	0.72
			Output Power HP (mechanical)	0.01	0.02	0.04	0.06	0.10
			Output Torque lb.in (mech.)	881	1370	3150	4210	7210
			Efficiency %	12	15	20	24	28
	2400.	0.73	Input Power HP (mechanical)	0.09	0.12	0.19	0.23	0.32
			Input Power HP (thermal)	0.40	0.43	0.80	0.60	0.89
			Output Power HP (mechanical)	0.010	0.02	0.03	0.05	0.08
			Output Torque lb.in (mech.)	842	1550	2550	4210	7210
			Efficiency %	11	15	16	21	26
	2500.	0.70	Input Power HP (mechanical)	0.08	0.10	0.15	0.18	0.25
			Input Power HP (thermal)	0.47	0.50	0.90	0.75	1.03
			Output Power HP (mechanical)	0.007	0.01	0.02	0.04	0.06
			Output Torque lb.in (mech.)	599	1100	1820	3180	4970
			Efficiency %	9	13	14	20	22
	2800.	0.63	Input Power HP (mechanical)	0.09	0.12	0.17	0.20	0.29
			Input Power HP (thermal)	0.33	0.36	0.68	0.51	0.72
			Output Power HP (mechanical)	0.008	0.02	0.03	0.04	0.07
			Output Torque lb.in (mech.)	851	1560	2570	4210	7210
			Efficiency %	9	13	15	20	24
	3000.	0.58	Input Power HP (mechanical)	0.08	0.10	0.15	0.18	0.23
			Input Power HP (thermal)	0.40	0.43	0.80	0.60	0.89
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	607	1110	1840	3210	5030
			Efficiency %	7	11	12	17	20
	3500.	0.50	Input Power HP (mechanical)	0.08	0.09	0.13	0.16	0.21
			Input Power HP (thermal)	0.33	0.36	0.68	0.51	0.72
			Output Power HP (mechanical)	0.005	0.009	0.01	0.03	0.04
			Output Torque lb.in (mech.)	613	1120	1860	3250	5090
			Efficiency %	6	10	11	16	19
	3600.	0.49	Input Power HP (mechanical)	0.07	0.08	0.13	0.15	0.19
			Input Power HP (thermal)	0.40	0.43	0.80	0.60	0.89
			Output Power HP (mechanical)	0.004	0.007	0.01	0.02	0.03
			Output Torque lb.in (mech.)	464	853	1410	2440	3810
			Efficiency %	5	8	8	13	16
	4200.	0.42	Input Power HP (mechanical)	0.07	0.08	0.12	0.14	0.17
			Input Power HP (thermal)	0.33	0.36	0.68	0.51	0.72
			Output Power HP (mechanical)	0.003	0.006	0.009	0.02	0.03
			Output Torque lb.in (mech.)	469	861	1420	2470	3840
			Efficiency %	4	7	8	12	15

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT					
				A0280	A0410	A0510	A0610	A0730	A0860
SINGLE REDUCTION	5.0	290.00	Input Power HP (mechanical)	0.90	2.03	4.38	6.57	9.36	16.20
			Input Power HP (thermal)	2.21	3.28	5.38	7.58	16.50	20.50
			Output Power HP (mechanical)	0.79	1.79	3.96	5.98	8.72	15.30
			Output Torque lb.in (mech.)	179	409	826	1300	1970	3210
			Efficiency %	87	88	90	91	93	94
	7.5	193.33	Input Power HP (mechanical)	0.81	1.79	3.08	4.75	7.17	10.90
			Input Power HP (thermal)	1.79	2.74	4.38	6.40	14.30	17.30
			Output Power HP (mechanical)	0.69	1.54	2.71	4.24	6.60	10.10
			Output Torque lb.in (mech.)	219	491	863	1350	2080	3180
			Efficiency %	85	86	88	89	92	93
	10.0	145.00	Input Power HP (mechanical)	0.74	1.65	3.02	4.21	5.58	9.57
			Input Power HP (thermal)	1.37	2.20	3.39	5.52	11.80	14.50
			Output Power HP (mechanical)	0.59	1.37	2.56	3.69	5.03	8.74
			Output Torque lb.in (mech.)	271	624	1170	1550	2260	3670
			Efficiency %	80	83	85	88	90	91
	12.5	116.00	Input Power HP (mechanical)	0.67	1.64	2.73	3.72	5.77	7.90
			Input Power HP (thermal)	1.16	1.90	3.02	4.43	9.52	12.90
			Output Power HP (mechanical)	0.51	1.32	2.26	3.15	5.10	7.12
			Output Torque lb.in (mech.)	278	718	1230	1710	2770	3920
			Efficiency %	77	81	83	85	88	90
	15.0	96.67	Input Power HP (mechanical)	0.57	1.57	1.89	3.31	5.01	8.02
			Input Power HP (thermal)	1.14	1.73	2.95	3.96	8.91	10.80
			Output Power HP (mechanical)	0.43	1.24	1.55	2.73	4.38	7.10
			Output Torque lb.in (mech.)	272	783	975	1780	2760	4470
			Efficiency %	76	79	82	83	87	88
	20.0	72.50	Input Power HP (mechanical)	0.53	0.91	2.32	2.84	3.64	5.46
			Input Power HP (thermal)	0.78	1.61	1.97	2.88	7.50	9.05
			Output Power HP (mechanical)	0.35	0.69	1.74	2.19	3.09	4.69
			Output Torque lb.in (mech.)	307	585	1510	1900	2620	3970
			Efficiency %	67	76	74	77	85	86
	25.0	58.00	Input Power HP (mechanical)	0.47	1.17	1.95	2.78	4.17	6.08
			Input Power HP (thermal)	0.72	1.16	1.77	2.56	5.30	6.37
			Output Power HP (mechanical)	0.30	0.81	1.40	2.06	3.33	4.93
			Output Torque lb.in (mech.)	329	881	1520	2240	3620	5360
			Efficiency %	64	70	71	74	80	81
	30.0	48.33	Input Power HP (mechanical)	0.37	1.01	1.53	2.44	2.92	4.79
			Input Power HP (thermal)	0.67	1.07	1.66	2.32	4.92	5.94
			Output Power HP (mechanical)	0.22	0.67	1.06	1.74	2.27	3.80
			Output Torque lb.in (mech.)	289	874	1380	2270	2960	4950
			Efficiency %	61	66	69	71	78	79
	40.0	36.25	Input Power HP (mechanical)	0.21	0.60	0.99	1.64	2.24	3.83
			Input Power HP (thermal)	0.55	0.95	1.51	2.03	4.22	5.10
			Output Power HP (mechanical)	0.11	0.36	0.64	1.09	1.66	2.91
			Output Torque lb.in (mech.)	185	624	1120	1890	2880	5050
			Efficiency %	50	60	65	66	74	76
	50.0	29.00	Input Power HP (mechanical)	0.15	0.38	0.65	1.04	1.58	2.44
			Input Power HP (thermal)	0.44	0.72	1.08	1.50	3.15	3.66
			Output Power HP (mechanical)	0.07	0.21	0.38	0.64	1.11	1.74
			Output Torque lb.in (mech.)	147	456	834	1380	2420	3780
			Efficiency %	46	55	59	61	71	71
	60.0	24.17	Input Power HP (mechanical)	0.11	0.28	0.46	0.72	1.09	1.65
			Input Power HP (thermal)	0.37	0.59	0.94	1.30	2.55	3.04
			Output Power HP (mechanical)	0.04	0.14	0.25	0.41	0.71	1.11
			Output Torque lb.in (mech.)	112	352	647	1070	1850	2890
			Efficiency %	40	48	55	57	65	67
	70.0	20.71	Input Power HP (mechanical)	0.08	0.21	0.33	0.55	0.80	1.25
			Input Power HP (thermal)	0.30	0.50	0.77	1.02	1.98	2.36
			Output Power HP (mechanical)	0.03	0.09	0.17	0.29	0.48	0.78
			Output Torque lb.in (mech.)	90	289	508	866	1460	2370
			Efficiency %	35	44	50	52	60	62

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	75.0	19.33	Input Power HP (mechanical)	0.43	0.62	1.09	1.60	2.69
			Input Power HP (thermal)	1.01	1.79	2.37	3.19	3.77
			Output Power HP (mechanical)	0.27	0.41	0.72	1.16	2.02
			Output Torque lb.in (mech.)	881	1350	2470	3850	6120
			Efficiency %	62	66	66	73	75
	100.	14.50	Input Power HP (mechanical)	0.28	0.79	0.98	1.19	1.87
			Input Power HP (thermal)	0.97	1.17	1.71	2.85	3.21
			Output Power HP (mechanical)	0.16	0.46	0.58	0.82	1.34
			Output Torque lb.in (mech.)	725	2110	2640	3650	5440
			Efficiency %	58	58	59	69	72
	125.	11.60	Input Power HP (mechanical)	0.30	0.69	0.97	1.18	2.10
			Input Power HP (thermal)	0.69	1.05	1.51	2.09	2.34
			Output Power HP (mechanical)	0.15	0.38	0.55	0.74	1.38
			Output Torque lb.in (mech.)	881	2190	3120	4210	7210
			Efficiency %	51	55	56	63	66
	150.	9.67	Input Power HP (mechanical)	0.25	0.40	0.70	0.98	1.58
			Input Power HP (thermal)	0.87	1.39	1.98	2.14	2.83
			Output Power HP (mechanical)	0.13	0.23	0.41	0.64	1.07
			Output Torque lb.in (mech.)	881	1530	2800	4210	7050
			Efficiency %	52	58	59	65	67
	200.	7.25	Input Power HP (mechanical)	0.18	0.48	0.64	0.72	1.11
			Input Power HP (thermal)	0.84	1.01	1.42	2.14	2.44
			Output Power HP (mechanical)	0.09	0.24	0.33	0.44	0.71
			Output Torque lb.in (mech.)	769	2190	3000	3920	6270
			Efficiency %	48	51	52	61	63
	225.	6.44	Input Power HP (mechanical)	0.20	0.33	0.58	0.77	1.23
			Input Power HP (thermal)	0.82	1.13	1.88	1.68	2.62
			Output Power HP (mechanical)	0.10	0.18	0.31	0.46	0.79
			Output Torque lb.in (mech.)	881	1600	2940	4210	7210
			Efficiency %	48	54	54	60	64
	250.	5.80	Input Power HP (mechanical)	0.19	0.41	0.57	0.68	1.11
			Input Power HP (thermal)	0.60	0.91	1.26	1.80	1.80
			Output Power HP (mechanical)	0.08	0.19	0.28	0.37	0.63
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	42	47	49	55	57
	300.	4.83	Input Power HP (mechanical)	0.18	0.30	0.47	0.60	1.02
			Input Power HP (thermal)	0.72	0.75	1.76	1.57	1.75
			Output Power HP (mechanical)	0.07	0.13	0.24	0.34	0.57
			Output Torque lb.in (mech.)	881	1690	3090	4210	7210
			Efficiency %	38	45	52	58	56
	350.	4.14	Input Power HP (mechanical)	0.15	0.32	0.46	0.54	0.43
			Input Power HP (thermal)	0.57	0.86	1.21	1.68	0.99
			Output Power HP (mechanical)	0.06	0.14	0.20	0.27	0.19
			Output Torque lb.in (mech.)	881	2190	3150	4210	2710
			Efficiency %	38	44	44	49	43
	375.	3.87	Input Power HP (mechanical)	0.08	0.11	0.21	0.28	0.85
			Input Power HP (thermal)	0.36	0.54	0.79	0.89	1.68
			Output Power HP (mechanical)	0.02	0.04	0.06	0.11	0.46
			Output Torque lb.in (mech.)	332	584	997	1680	7210
			Efficiency %	26	32	30	38	54
	400.	3.63	Input Power HP (mechanical)	0.14	0.33	0.41	0.46	0.75
			Input Power HP (thermal)	0.72	0.75	1.26	1.57	1.75
			Output Power HP (mechanical)	0.05	0.13	0.19	0.25	0.39
			Output Torque lb.in (mech.)	804	2190	3150	4090	6560
			Efficiency %	34	39	45	53	52
	450.	3.22	Input Power HP (mechanical)	0.14	0.28	0.41	0.47	0.74
			Input Power HP (thermal)	0.53	0.85	1.13	1.66	1.59
			Output Power HP (mechanical)	0.05	0.11	0.17	0.22	0.38
			Output Torque lb.in (mech.)	881	2150	3150	4210	7210
			Efficiency %	35	41	41	47	52
	500.	2.90	Input Power HP (mechanical)	0.14	0.28	0.36	0.42	0.72
			Input Power HP (thermal)	0.60	0.75	1.12	1.57	1.71
			Output Power HP (mechanical)	0.04	0.10	0.15	0.20	0.33
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	29	36	41	47	46
	600.	2.42	Input Power HP (mechanical)	0.13	0.25	0.32	0.37	0.63
			Input Power HP (thermal)	0.56	0.75	1.05	1.55	1.63
			Output Power HP (mechanical)	0.03	0.08	0.12	0.17	0.28
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	26	34	38	45	44
	625.	2.32	Input Power HP (mechanical)	0.12	0.24	0.33	0.39	0.62
			Input Power HP (thermal)	0.59	0.69	1.17	1.13	1.57
			Output Power HP (mechanical)	0.03	0.08	0.12	0.16	0.27
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	27	33	35	40	43
	700.	2.07	Input Power HP (mechanical)	0.10	0.10	0.22	0.22	0.34
			Input Power HP (thermal)	0.30	0.33	0.63	0.48	0.68
			Output Power HP (mechanical)	0.02	0.02	0.07	0.07	0.13
			Output Torque lb.in (mech.)	687	662	2070	2260	3890
			Efficiency %	21	20	32	33	39
	750.	1.93	Input Power HP (mechanical)	0.11	0.21	0.30	0.35	0.54
			Input Power HP (thermal)	0.55	0.69	1.09	1.13	1.57
			Output Power HP (mechanical)	0.03	0.07	0.10	0.13	0.22
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	24	32	32	37	41
	800.	1.81	Input Power HP (mechanical)	0.11	0.22	0.29	0.32	0.47
			Input Power HP (thermal)	0.51	0.53	1.07	0.92	1.34
			Output Power HP (mechanical)	0.02	0.06	0.09	0.12	0.20
			Output Torque lb.in (mech.)	836	2140	3150	4210	6810
			Efficiency %	23	28	32	39	43

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	900.	1.61	Input Power HP (mechanical)	0.10	0.19	0.27	0.31	0.48
			Input Power HP (thermal)	0.55	0.64	1.08	1.04	1.48
			Output Power HP (mechanical)	0.02	0.06	0.08	0.11	0.18
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	22	29	30	35	39
	1000.	1.45	Input Power HP (mechanical)	0.11	0.20	0.25	0.29	0.44
			Input Power HP (thermal)	0.51	0.53	1.07	0.92	1.34
			Output Power HP (mechanical)	0.02	0.05	0.07	0.10	0.17
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	19	26	29	33	38
	1200.	1.21	Input Power HP (mechanical)	0.10	0.17	0.23	0.26	0.39
			Input Power HP (thermal)	0.51	0.53	1.07	0.92	1.34
			Output Power HP (mechanical)	0.02	0.04	0.06	0.08	0.14
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	17	24	26	31	36
	1250.	1.16	Input Power HP (mechanical)	0.09	0.16	0.22	0.25	0.39
			Input Power HP (thermal)	0.44	0.46	0.91	0.70	0.96
			Output Power HP (mechanical)	0.02	0.04	0.06	0.08	0.13
			Output Torque lb.in (mech.)	881	1990	3150	4210	7210
			Efficiency %	18	23	26	31	34
	1400.	1.04	Input Power HP (mechanical)	0.09	0.10	0.21	0.22	0.34
			Input Power HP (thermal)	0.30	0.33	0.63	0.48	0.68
			Output Power HP (mechanical)	0.01	0.02	0.05	0.06	0.12
			Output Torque lb.in (mech.)	857	1010	3150	3830	6990
			Efficiency %	16	16	25	30	35
	1500.	0.97	Input Power HP (mechanical)	0.09	0.15	0.20	0.23	0.35
			Input Power HP (thermal)	0.44	0.46	0.91	0.70	0.96
			Output Power HP (mechanical)	0.01	0.03	0.05	0.06	0.11
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	16	22	24	29	32
	1600.	0.91	Input Power HP (mechanical)	0.09	0.12	0.17	0.22	0.33
			Input Power HP (thermal)	0.51	0.53	0.99	0.92	1.34
			Output Power HP (mechanical)	0.01	0.02	0.04	0.06	0.10
			Output Torque lb.in (mech.)	829	1520	2510	4210	7210
			Efficiency %	14	19	21	27	32
	1750.	0.83	Input Power HP (mechanical)	0.09	0.10	0.19	0.22	0.32
			Input Power HP (thermal)	0.30	0.33	0.63	0.48	0.68
			Output Power HP (mechanical)	0.01	0.02	0.04	0.06	0.09
			Output Torque lb.in (mech.)	881	1190	3150	4210	7210
			Efficiency %	13	15	22	26	30
	1800.	0.81	Input Power HP (mechanical)	0.09	0.12	0.20	0.22	0.31
			Input Power HP (thermal)	0.37	0.40	0.75	0.57	0.84
			Output Power HP (mechanical)	0.01	0.02	0.04	0.05	0.09
			Output Torque lb.in (mech.)	881	1750	3150	4210	7210
			Efficiency %	13	18	21	25	30
	2000.	0.73	Input Power HP (mechanical)	0.08	0.10	0.15	0.20	0.30
			Input Power HP (thermal)	0.44	0.46	0.91	0.70	0.96
			Output Power HP (mechanical)	0.010	0.02	0.03	0.05	0.08
			Output Torque lb.in (mech.)	842	1550	2550	4210	7210
			Efficiency %	13	17	19	25	28
	2100.	0.69	Input Power HP (mechanical)	0.08	0.10	0.17	0.19	0.28
			Input Power HP (thermal)	0.30	0.33	0.63	0.48	0.68
			Output Power HP (mechanical)	0.010	0.02	0.03	0.05	0.08
			Output Torque lb.in (mech.)	881	1390	3150	4210	7210
			Efficiency %	12	15	20	24	28
	2400.	0.60	Input Power HP (mechanical)	0.08	0.10	0.15	0.19	0.27
			Input Power HP (thermal)	0.37	0.40	0.75	0.57	0.84
			Output Power HP (mechanical)	0.008	0.01	0.02	0.04	0.07
			Output Torque lb.in (mech.)	853	1560	2580	4210	7210
			Efficiency %	11	15	16	21	26
	2500.	0.58	Input Power HP (mechanical)	0.06	0.08	0.12	0.15	0.21
			Input Power HP (thermal)	0.44	0.46	0.86	0.70	0.96
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	607	1110	1840	3220	5040
			Efficiency %	9	13	14	20	22
	2800.	0.52	Input Power HP (mechanical)	0.07	0.10	0.14	0.17	0.24
			Input Power HP (thermal)	0.30	0.33	0.63	0.48	0.68
			Output Power HP (mechanical)	0.007	0.01	0.02	0.03	0.06
			Output Torque lb.in (mech.)	861	1580	2610	4210	7210
			Efficiency %	10	14	16	20	24
	3000.	0.48	Input Power HP (mechanical)	0.06	0.08	0.12	0.15	0.19
			Input Power HP (thermal)	0.37	0.40	0.75	0.57	0.84
			Output Power HP (mechanical)	0.005	0.009	0.01	0.02	0.04
			Output Torque lb.in (mech.)	614	1120	1860	3250	5100
			Efficiency %	7	11	12	17	20
	3500.	0.41	Input Power HP (mechanical)	0.06	0.08	0.11	0.13	0.18
			Input Power HP (thermal)	0.30	0.33	0.63	0.48	0.68
			Output Power HP (mechanical)	0.004	0.007	0.01	0.02	0.03
			Output Torque lb.in (mech.)	620	1130	1880	3290	5150
			Efficiency %	7	10	11	16	19
	3600.	0.40	Input Power HP (mechanical)	0.06	0.07	0.11	0.12	0.15
			Input Power HP (thermal)	0.37	0.40	0.75	0.57	0.84
			Output Power HP (mechanical)	0.003	0.005	0.009	0.02	0.02
			Output Torque lb.in (mech.)	470	863	1430	2470	3850
			Efficiency %	5	8	9	13	16
	4200.	0.35	Input Power HP (mechanical)	0.06	0.07	0.09	0.11	0.14
			Input Power HP (thermal)	0.30	0.33	0.63	0.48	0.68
			Output Power HP (mechanical)	0.003	0.005	0.008	0.01	0.02
			Output Torque lb.in (mech.)	474	871	1440	2490	3890
			Efficiency %	5	7	8	12	15

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	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT					
				A0280	A0410	A0510	A0610	A0730	A0860
SINGLE REDUCTION	5.0	232.00	Input Power HP (mechanical)	0.79	1.79	3.86	5.64	8.28	13.70
			Input Power HP (thermal)	1.96	2.98	4.85	6.86	13.90	17.10
			Output Power HP (mechanical)	0.69	1.57	3.48	5.12	7.68	12.80
			Output Torque lb.in (mech.)	196	449	906	1390	2170	3370
			Efficiency %	87	88	90	91	93	94
	7.5	154.67	Input Power HP (mechanical)	0.71	1.57	2.71	4.18	6.30	9.59
			Input Power HP (thermal)	1.59	2.50	3.97	5.83	12.00	14.50
			Output Power HP (mechanical)	0.60	1.35	2.37	3.72	5.79	8.86
			Output Torque lb.in (mech.)	239	537	944	1480	2280	3490
			Efficiency %	84	86	87	89	92	92
	10.0	116.00	Input Power HP (mechanical)	0.64	1.40	2.57	3.70	4.74	8.39
			Input Power HP (thermal)	1.23	2.01	3.09	5.04	9.97	12.20
			Output Power HP (mechanical)	0.52	1.16	2.17	3.22	4.26	7.64
			Output Torque lb.in (mech.)	294	660	1240	1690	2390	4010
			Efficiency %	80	83	85	87	90	91
	12.5	92.80	Input Power HP (mechanical)	0.58	1.43	2.39	3.17	4.91	6.71
			Input Power HP (thermal)	1.04	1.74	2.76	4.06	8.08	10.80
			Output Power HP (mechanical)	0.44	1.15	1.97	2.65	4.32	6.02
			Output Torque lb.in (mech.)	301	779	1340	1800	2930	4140
			Efficiency %	76	80	83	84	88	90
	15.0	77.33	Input Power HP (mechanical)	0.48	1.37	1.61	2.82	4.26	6.82
			Input Power HP (thermal)	1.02	1.58	2.69	3.63	7.56	9.06
			Output Power HP (mechanical)	0.36	1.08	1.31	2.32	3.71	6.01
			Output Torque lb.in (mech.)	283	848	1030	1890	2920	4730
			Efficiency %	76	79	81	82	87	88
	20.0	58.00	Input Power HP (mechanical)	0.46	0.76	1.99	2.44	3.10	4.65
			Input Power HP (thermal)	0.69	1.48	1.80	2.65	6.37	7.60
			Output Power HP (mechanical)	0.31	0.57	1.47	1.85	2.62	3.97
			Output Torque lb.in (mech.)	331	606	1600	2010	2770	4200
			Efficiency %	66	75	74	76	84	85
	25.0	46.40	Input Power HP (mechanical)	0.41	0.95	1.71	2.38	3.56	5.33
			Input Power HP (thermal)	0.64	1.07	1.62	2.37	4.53	5.38
			Output Power HP (mechanical)	0.26	0.65	1.21	1.74	2.82	4.29
			Output Torque lb.in (mech.)	355	881	1640	2360	3830	5820
			Efficiency %	63	68	71	73	79	80
	30.0	38.67	Input Power HP (mechanical)	0.31	0.83	1.31	2.10	2.50	4.10
			Input Power HP (thermal)	0.59	0.98	1.53	2.14	4.20	5.02
			Output Power HP (mechanical)	0.18	0.54	0.90	1.47	1.92	3.22
			Output Torque lb.in (mech.)	298	881	1460	2400	3130	5240
			Efficiency %	60	65	68	70	77	78
	40.0	29.00	Input Power HP (mechanical)	0.18	0.50	0.85	1.37	1.92	3.28
			Input Power HP (thermal)	0.49	0.88	1.38	1.88	3.61	4.32
			Output Power HP (mechanical)	0.09	0.30	0.54	0.89	1.40	2.46
			Output Torque lb.in (mech.)	190	642	1180	1940	3050	5340
			Efficiency %	50	59	64	65	73	75
	50.0	23.20	Input Power HP (mechanical)	0.12	0.32	0.54	0.87	1.31	2.03
			Input Power HP (thermal)	0.40	0.67	1.00	1.39	2.70	3.11
			Output Power HP (mechanical)	0.06	0.17	0.32	0.52	0.91	1.43
			Output Torque lb.in (mech.)	151	468	856	1420	2480	3880
			Efficiency %	46	55	58	60	70	70
	60.0	19.33	Input Power HP (mechanical)	0.09	0.24	0.38	0.60	0.91	1.37
			Input Power HP (thermal)	0.34	0.54	0.87	1.21	2.20	2.59
			Output Power HP (mechanical)	0.04	0.11	0.20	0.34	0.58	0.91
			Output Torque lb.in (mech.)	115	361	663	1100	1900	2960
			Efficiency %	39	47	54	57	64	66
	70.0	16.57	Input Power HP (mechanical)	0.07	0.18	0.28	0.45	0.66	1.04
			Input Power HP (thermal)	0.28	0.46	0.71	0.96	1.71	2.02
			Output Power HP (mechanical)	0.02	0.08	0.14	0.23	0.39	0.64
			Output Torque lb.in (mech.)	92	296	520	887	1490	2430
			Efficiency %	35	44	50	52	59	61

RATINGS AT 1160 REV / MIN INPUT

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	75.0	15.47	Input Power HP (mechanical)	0.35	0.52	0.92	1.36	2.28
			Input Power HP (thermal)	0.93	1.69	2.19	2.90	3.35
			Output Power HP (mechanical)	0.21	0.34	0.60	0.97	1.69
			Output Torque lb.in (mech.)	881	1410	2580	4020	6390
			Efficiency %	61	66	65	71	74
	100.	11.60	Input Power HP (mechanical)	0.23	0.67	0.83	1.00	1.58
			Input Power HP (thermal)	0.90	1.08	1.57	2.63	2.86
			Output Power HP (mechanical)	0.13	0.38	0.48	0.68	1.12
			Output Torque lb.in (mech.)	740	2190	2760	3770	5690
			Efficiency %	58	57	58	68	71
	125.	9.28	Input Power HP (mechanical)	0.25	0.57	0.80	0.96	1.71
			Input Power HP (thermal)	0.64	0.97	1.39	1.93	2.09
			Output Power HP (mechanical)	0.12	0.31	0.44	0.59	1.11
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	50	54	55	62	65
	150.	7.73	Input Power HP (mechanical)	0.21	0.33	0.58	0.79	1.31
			Input Power HP (thermal)	0.81	1.22	1.86	1.96	2.65
			Output Power HP (mechanical)	0.11	0.19	0.34	0.51	0.87
			Output Torque lb.in (mech.)	881	1580	2900	4210	7210
			Efficiency %	52	57	58	64	67
	200.	5.80	Input Power HP (mechanical)	0.15	0.39	0.53	0.59	0.92
			Input Power HP (thermal)	0.80	0.94	1.33	1.96	2.29
			Output Power HP (mechanical)	0.07	0.19	0.27	0.36	0.57
			Output Torque lb.in (mech.)	782	2190	3110	3990	6380
			Efficiency %	48	50	51	60	63
	225.	5.16	Input Power HP (mechanical)	0.16	0.27	0.48	0.62	1.00
			Input Power HP (thermal)	0.77	1.00	1.77	1.54	2.40
			Output Power HP (mechanical)	0.08	0.15	0.26	0.37	0.63
			Output Torque lb.in (mech.)	881	1660	3050	4210	7210
			Efficiency %	48	53	53	59	63
	250.	4.64	Input Power HP (mechanical)	0.15	0.33	0.46	0.55	0.90
			Input Power HP (thermal)	0.56	0.85	1.18	1.70	1.69
			Output Power HP (mechanical)	0.06	0.15	0.22	0.30	0.51
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	41	46	48	54	56
	300.	3.87	Input Power HP (mechanical)	0.15	0.24	0.39	0.48	0.83
			Input Power HP (thermal)	0.64	0.66	1.66	1.44	1.61
			Output Power HP (mechanical)	0.06	0.11	0.20	0.27	0.46
			Output Torque lb.in (mech.)	881	1680	3150	4210	7210
			Efficiency %	38	44	51	57	55
	350.	3.31	Input Power HP (mechanical)	0.12	0.26	0.37	0.44	0.35
			Input Power HP (thermal)	0.54	0.81	1.13	1.54	0.89
			Output Power HP (mechanical)	0.04	0.11	0.16	0.21	0.15
			Output Torque lb.in (mech.)	881	2190	3150	4210	2750
			Efficiency %	37	43	43	49	43
	375.	3.09	Input Power HP (mechanical)	0.06	0.09	0.17	0.22	0.69
			Input Power HP (thermal)	0.34	0.52	0.75	0.83	1.58
			Output Power HP (mechanical)	0.02	0.03	0.05	0.09	0.37
			Output Torque lb.in (mech.)	337	592	1010	1700	7210
			Efficiency %	26	32	30	38	53
	400.	2.90	Input Power HP (mechanical)	0.11	0.27	0.34	0.38	0.61
			Input Power HP (thermal)	0.64	0.66	1.19	1.44	1.61
			Output Power HP (mechanical)	0.04	0.10	0.15	0.20	0.31
			Output Torque lb.in (mech.)	815	2190	3150	4150	6650
			Efficiency %	34	38	44	53	51
	450.	2.58	Input Power HP (mechanical)	0.11	0.23	0.33	0.38	0.60
			Input Power HP (thermal)	0.50	0.80	1.06	1.54	1.50
			Output Power HP (mechanical)	0.04	0.09	0.13	0.18	0.31
			Output Torque lb.in (mech.)	881	2180	3150	4210	7210
			Efficiency %	34	41	40	46	51
	500.	2.32	Input Power HP (mechanical)	0.11	0.23	0.29	0.34	0.59
			Input Power HP (thermal)	0.57	0.66	1.06	1.44	1.61
			Output Power HP (mechanical)	0.03	0.08	0.12	0.16	0.27
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	29	35	41	46	45
	600.	1.93	Input Power HP (mechanical)	0.10	0.20	0.26	0.30	0.51
			Input Power HP (thermal)	0.54	0.66	0.99	1.44	1.58
			Output Power HP (mechanical)	0.03	0.07	0.10	0.13	0.22
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	26	33	38	44	43
	625.	1.86	Input Power HP (mechanical)	0.10	0.20	0.27	0.32	0.50
			Input Power HP (thermal)	0.56	0.61	1.11	1.04	1.45
			Output Power HP (mechanical)	0.03	0.06	0.09	0.12	0.21
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	26	33	34	39	42
	700.	1.66	Input Power HP (mechanical)	0.08	0.08	0.18	0.18	0.28
			Input Power HP (thermal)	0.28	0.30	0.59	0.45	0.63
			Output Power HP (mechanical)	0.02	0.02	0.06	0.06	0.11
			Output Torque lb.in (mech.)	701	675	2110	2300	3970
			Efficiency %	21	21	32	33	38
	750.	1.55	Input Power HP (mechanical)	0.09	0.17	0.24	0.28	0.44
			Input Power HP (thermal)	0.53	0.61	1.04	1.04	1.45
			Output Power HP (mechanical)	0.02	0.05	0.08	0.10	0.18
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	24	31	32	37	40
	800.	1.45	Input Power HP (mechanical)	0.09	0.18	0.23	0.26	0.38
			Input Power HP (thermal)	0.45	0.47	0.95	0.84	1.24
			Output Power HP (mechanical)	0.02	0.05	0.07	0.10	0.16
			Output Torque lb.in (mech.)	845	2190	3150	4210	6890
			Efficiency %	23	28	31	38	43

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	900.	1.29	Input Power HP (mechanical)	0.08	0.16	0.22	0.25	0.39
			Input Power HP (thermal)	0.53	0.57	1.03	0.95	1.36
			Output Power HP (mechanical)	0.02	0.04	0.06	0.09	0.15
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	22	29	29	34	38
	1000.	1.16	Input Power HP (mechanical)	0.08	0.16	0.20	0.24	0.36
			Input Power HP (thermal)	0.45	0.47	0.95	0.84	1.24
			Output Power HP (mechanical)	0.02	0.04	0.06	0.08	0.13
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	19	25	28	33	37
	1200.	0.97	Input Power HP (mechanical)	0.08	0.14	0.19	0.21	0.32
			Input Power HP (thermal)	0.45	0.47	0.95	0.84	1.24
			Output Power HP (mechanical)	0.01	0.03	0.05	0.06	0.11
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	17	24	26	31	35
	1250.	0.93	Input Power HP (mechanical)	0.07	0.13	0.18	0.21	0.32
			Input Power HP (thermal)	0.39	0.41	0.81	0.65	0.89
			Output Power HP (mechanical)	0.01	0.03	0.05	0.06	0.11
			Output Torque lb.in (mech.)	881	2030	3150	4210	7210
			Efficiency %	18	23	26	30	33
	1400.	0.83	Input Power HP (mechanical)	0.07	0.08	0.17	0.18	0.28
			Input Power HP (thermal)	0.28	0.30	0.59	0.45	0.63
			Output Power HP (mechanical)	0.01	0.01	0.04	0.05	0.10
			Output Torque lb.in (mech.)	869	1030	3150	3890	7090
			Efficiency %	16	16	24	29	34
	1500.	0.77	Input Power HP (mechanical)	0.07	0.12	0.16	0.18	0.28
			Input Power HP (thermal)	0.39	0.41	0.81	0.65	0.89
			Output Power HP (mechanical)	0.01	0.03	0.04	0.05	0.09
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	16	22	24	28	31
	1600.	0.73	Input Power HP (mechanical)	0.07	0.09	0.14	0.18	0.27
			Input Power HP (thermal)	0.45	0.47	0.94	0.84	1.24
			Output Power HP (mechanical)	0.010	0.02	0.03	0.05	0.08
			Output Torque lb.in (mech.)	842	1550	2550	4210	7210
			Efficiency %	14	19	21	27	31
	1750.	0.66	Input Power HP (mechanical)	0.07	0.08	0.15	0.18	0.26
			Input Power HP (thermal)	0.28	0.30	0.59	0.45	0.63
			Output Power HP (mechanical)	0.009	0.01	0.03	0.04	0.08
			Output Torque lb.in (mech.)	881	1210	3150	4210	7210
			Efficiency %	13	15	22	25	29
	1800.	0.64	Input Power HP (mechanical)	0.07	0.10	0.16	0.18	0.25
			Input Power HP (thermal)	0.34	0.36	0.68	0.53	0.78
			Output Power HP (mechanical)	0.009	0.02	0.03	0.04	0.07
			Output Torque lb.in (mech.)	881	1780	3150	4210	7210
			Efficiency %	13	18	21	24	29
	2000.	0.58	Input Power HP (mechanical)	0.06	0.08	0.12	0.16	0.24
			Input Power HP (thermal)	0.39	0.41	0.81	0.65	0.89
			Output Power HP (mechanical)	0.008	0.01	0.02	0.04	0.07
			Output Torque lb.in (mech.)	855	1570	2590	4210	7210
			Efficiency %	13	17	19	25	28
	2100.	0.55	Input Power HP (mechanical)	0.06	0.08	0.14	0.16	0.23
			Input Power HP (thermal)	0.28	0.30	0.59	0.45	0.63
			Output Power HP (mechanical)	0.008	0.01	0.03	0.04	0.06
			Output Torque lb.in (mech.)	881	1410	3150	4210	7210
			Efficiency %	12	15	20	24	27
	2400.	0.48	Input Power HP (mechanical)	0.06	0.08	0.12	0.15	0.22
			Input Power HP (thermal)	0.34	0.36	0.68	0.53	0.78
			Output Power HP (mechanical)	0.007	0.01	0.02	0.03	0.06
			Output Torque lb.in (mech.)	865	1590	2620	4210	7210
			Efficiency %	11	15	16	21	26
	2500.	0.46	Input Power HP (mechanical)	0.05	0.06	0.10	0.12	0.17
			Input Power HP (thermal)	0.39	0.41	0.81	0.65	0.89
			Output Power HP (mechanical)	0.004	0.008	0.01	0.02	0.04
			Output Torque lb.in (mech.)	616	1130	1870	3260	5110
			Efficiency %	9	13	14	20	22
	2800.	0.41	Input Power HP (mechanical)	0.06	0.08	0.11	0.14	0.20
			Input Power HP (thermal)	0.28	0.30	0.59	0.45	0.63
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	874	1600	2640	4210	7210
			Efficiency %	10	14	16	20	24
	3000.	0.39	Input Power HP (mechanical)	0.05	0.06	0.10	0.12	0.15
			Input Power HP (thermal)	0.34	0.36	0.68	0.53	0.78
			Output Power HP (mechanical)	0.004	0.007	0.01	0.02	0.03
			Output Torque lb.in (mech.)	623	1140	1890	3300	5170
			Efficiency %	8	11	12	17	21
	3500.	0.33	Input Power HP (mechanical)	0.05	0.06	0.09	0.11	0.14
			Input Power HP (thermal)	0.28	0.30	0.59	0.45	0.63
			Output Power HP (mechanical)	0.003	0.006	0.01	0.02	0.03
			Output Torque lb.in (mech.)	629	1150	1910	3330	5220
			Efficiency %	7	10	12	16	19
	3600.	0.32	Input Power HP (mechanical)	0.05	0.05	0.08	0.10	0.12
			Input Power HP (thermal)	0.34	0.36	0.68	0.53	0.78
			Output Power HP (mechanical)	0.002	0.004	0.007	0.01	0.02
			Output Torque lb.in (mech.)	476	874	1440	2500	3910
			Efficiency %	5	8	9	13	16
	4200.	0.28	Input Power HP (mechanical)	0.04	0.05	0.07	0.09	0.11
			Input Power HP (thermal)	0.28	0.30	0.59	0.45	0.63
			Output Power HP (mechanical)	0.002	0.004	0.006	0.01	0.02
			Output Torque lb.in (mech.)	480	882	1460	2530	3940
			Efficiency %	5	7	9	12	15

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RATINGS AT 875 REV / MIN INPUT

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT					
				A0280	A0410	A0510	A0610	A0730	A0860
SINGLE REDUCTION	5.0	175.00	Input Power HP (mechanical)	0.64	1.52	2.91	4.26	7.05	10.30
			Input Power HP (thermal)	1.69	2.64	4.26	6.06	11.20	13.60
			Output Power HP (mechanical)	0.55	1.33	2.60	3.83	6.52	9.63
			Output Torque lb.in (mech.)	209	503	899	1380	2440	3350
			Efficiency %	87	88	89	90	92	93
	7.5	116.67	Input Power HP (mechanical)	0.60	1.33	2.29	3.54	5.33	8.12
			Input Power HP (thermal)	1.38	2.22	3.52	5.19	9.74	11.50
			Output Power HP (mechanical)	0.50	1.13	1.99	3.11	4.87	7.45
			Output Torque lb.in (mech.)	265	597	1050	1640	2540	3890
			Efficiency %	84	85	87	88	91	92
	10.0	87.50	Input Power HP (mechanical)	0.53	1.14	2.09	3.12	3.77	7.08
			Input Power HP (thermal)	1.07	1.79	2.74	4.50	8.07	9.72
			Output Power HP (mechanical)	0.42	0.93	1.75	2.69	3.37	6.39
			Output Torque lb.in (mech.)	320	703	1320	1870	2510	4450
			Efficiency %	79	82	84	86	89	90
	12.5	70.00	Input Power HP (mechanical)	0.49	1.20	2.00	2.57	3.98	5.12
			Input Power HP (thermal)	0.90	1.55	2.45	3.63	6.56	8.64
			Output Power HP (mechanical)	0.37	0.95	1.63	2.13	3.48	4.56
			Output Torque lb.in (mech.)	331	859	1470	1920	3130	4160
			Efficiency %	76	80	82	83	87	89
	15.0	58.33	Input Power HP (mechanical)	0.38	1.09	1.31	2.30	3.46	5.54
			Input Power HP (thermal)	0.89	1.42	2.39	3.26	6.15	7.26
			Output Power HP (mechanical)	0.28	0.84	1.05	1.86	2.99	4.83
			Output Torque lb.in (mech.)	297	881	1100	2010	3120	5040
			Efficiency %	75	77	80	81	86	87
	20.0	43.75	Input Power HP (mechanical)	0.39	0.60	1.63	1.99	2.43	3.61
			Input Power HP (thermal)	0.59	1.32	1.62	2.39	5.19	6.10
			Output Power HP (mechanical)	0.25	0.45	1.18	1.49	2.04	3.05
			Output Torque lb.in (mech.)	364	632	1700	2140	2860	4280
			Efficiency %	65	75	72	75	84	84
	25.0	35.00	Input Power HP (mechanical)	0.35	0.73	1.45	1.96	2.91	4.38
			Input Power HP (thermal)	0.55	0.96	1.46	2.14	3.71	4.35
			Output Power HP (mechanical)	0.22	0.49	1.01	1.40	2.28	3.46
			Output Torque lb.in (mech.)	389	881	1810	2520	4100	6230
			Efficiency %	62	67	69	71	78	79
	30.0	29.17	Input Power HP (mechanical)	0.25	0.64	1.08	1.73	2.04	3.35
			Input Power HP (thermal)	0.51	0.88	1.37	1.94	3.44	4.06
			Output Power HP (mechanical)	0.14	0.41	0.72	1.19	1.55	2.59
			Output Torque lb.in (mech.)	309	881	1560	2560	3350	5600
			Efficiency %	58	64	67	69	76	77
	40.0	21.88	Input Power HP (mechanical)	0.14	0.40	0.67	1.09	1.52	2.63
			Input Power HP (thermal)	0.43	0.79	1.25	1.71	2.96	3.50
			Output Power HP (mechanical)	0.07	0.23	0.42	0.70	1.09	1.93
			Output Torque lb.in (mech.)	197	664	1220	2010	3140	5570
			Efficiency %	49	58	63	64	72	74
	50.0	17.50	Input Power HP (mechanical)	0.10	0.25	0.43	0.69	1.04	1.61
			Input Power HP (thermal)	0.35	0.61	0.91	1.27	2.23	2.53
			Output Power HP (mechanical)	0.04	0.13	0.25	0.41	0.71	1.11
			Output Torque lb.in (mech.)	156	483	883	1470	2560	4010
			Efficiency %	45	54	57	59	68	69
	60.0	14.58	Input Power HP (mechanical)	0.07	0.19	0.30	0.47	0.72	1.09
			Input Power HP (thermal)	0.30	0.49	0.79	1.11	1.82	2.12
			Output Power HP (mechanical)	0.03	0.09	0.16	0.26	0.45	0.71
			Output Torque lb.in (mech.)	118	372	683	1130	1960	3050
			Efficiency %	39	47	53	55	63	65
	70.0	12.50	Input Power HP (mechanical)	0.05	0.14	0.22	0.36	0.52	0.82
			Input Power HP (thermal)	0.25	0.42	0.65	0.88	1.43	1.66
			Output Power HP (mechanical)	0.02	0.06	0.11	0.18	0.31	0.49
			Output Torque lb.in (mech.)	95	304	535	912	1540	2490
			Efficiency %	35	44	49	51	59	60

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	75.0	11.67	Input Power HP (mechanical)	0.27	0.42	0.74	1.09	1.84
			Input Power HP (thermal)	0.85	1.55	2.00	2.56	2.95
			Output Power HP (mechanical)	0.16	0.27	0.48	0.77	1.34
			Output Torque lb.in (mech.)	881	1480	2720	4210	6730
			Efficiency %	60	64	64	70	73
	100.	8.75	Input Power HP (mechanical)	0.18	0.52	0.67	0.78	1.28
			Input Power HP (thermal)	0.82	0.99	1.43	2.43	2.52
			Output Power HP (mechanical)	0.10	0.29	0.39	0.52	0.89
			Output Torque lb.in (mech.)	758	2190	2910	3860	5990
			Efficiency %	57	56	57	67	69
	125.	7.00	Input Power HP (mechanical)	0.19	0.44	0.62	0.74	1.32
			Input Power HP (thermal)	0.58	0.89	1.26	1.78	1.85
			Output Power HP (mechanical)	0.09	0.23	0.33	0.45	0.83
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	49	53	54	60	63
	150.	5.83	Input Power HP (mechanical)	0.16	0.27	0.47	0.61	1.01
			Input Power HP (thermal)	0.75	1.05	1.72	1.74	2.45
			Output Power HP (mechanical)	0.08	0.15	0.27	0.38	0.66
			Output Torque lb.in (mech.)	881	1650	3030	4210	7210
			Efficiency %	51	56	57	63	65
	200.	4.38	Input Power HP (mechanical)	0.11	0.30	0.41	0.46	0.72
			Input Power HP (thermal)	0.74	0.88	1.22	1.74	2.12
			Output Power HP (mechanical)	0.05	0.15	0.21	0.28	0.44
			Output Torque lb.in (mech.)	797	2190	3150	4060	6500
			Efficiency %	48	48	50	59	61
	225.	3.89	Input Power HP (mechanical)	0.12	0.21	0.38	0.48	0.77
			Input Power HP (thermal)	0.73	0.87	1.54	1.36	2.14
			Output Power HP (mechanical)	0.06	0.11	0.20	0.28	0.48
			Output Torque lb.in (mech.)	881	1680	3150	4210	7210
			Efficiency %	47	52	53	58	62
	250.	3.50	Input Power HP (mechanical)	0.12	0.26	0.36	0.42	0.70
			Input Power HP (thermal)	0.52	0.79	1.09	1.55	1.56
			Output Power HP (mechanical)	0.05	0.12	0.17	0.22	0.38
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	41	45	47	53	55
	300.	2.92	Input Power HP (mechanical)	0.11	0.19	0.30	0.37	0.64
			Input Power HP (thermal)	0.55	0.57	1.45	1.28	1.44
			Output Power HP (mechanical)	0.04	0.08	0.15	0.21	0.35
			Output Torque lb.in (mech.)	881	1680	3150	4210	7210
			Efficiency %	38	43	50	56	54
	350.	2.50	Input Power HP (mechanical)	0.09	0.20	0.29	0.34	0.27
			Input Power HP (thermal)	0.50	0.76	1.05	1.36	0.79
			Output Power HP (mechanical)	0.03	0.08	0.12	0.16	0.12
			Output Torque lb.in (mech.)	881	2190	3150	4210	2790
			Efficiency %	37	42	42	48	42
	375.	2.33	Input Power HP (mechanical)	0.05	0.07	0.13	0.17	0.54
			Input Power HP (thermal)	0.32	0.49	0.71	0.77	1.51
			Output Power HP (mechanical)	0.01	0.02	0.04	0.07	0.28
			Output Torque lb.in (mech.)	342	602	1030	1730	7210
			Efficiency %	26	32	30	38	52
	400.	2.19	Input Power HP (mechanical)	0.09	0.21	0.26	0.30	0.48
			Input Power HP (thermal)	0.55	0.57	1.11	1.28	1.44
			Output Power HP (mechanical)	0.03	0.08	0.11	0.15	0.24
			Output Torque lb.in (mech.)	828	2190	3150	4210	6750
			Efficiency %	34	37	43	52	50
	450.	1.94	Input Power HP (mechanical)	0.08	0.18	0.26	0.30	0.46
			Input Power HP (thermal)	0.47	0.75	0.98	1.36	1.43
			Output Power HP (mechanical)	0.03	0.07	0.10	0.13	0.23
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	34	40	39	45	50
	500.	1.75	Input Power HP (mechanical)	0.09	0.18	0.22	0.27	0.46
			Input Power HP (thermal)	0.54	0.57	0.99	1.28	1.44
			Output Power HP (mechanical)	0.02	0.06	0.09	0.12	0.20
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	29	34	40	45	44
	600.	1.46	Input Power HP (mechanical)	0.08	0.16	0.20	0.23	0.40
			Input Power HP (thermal)	0.50	0.57	0.93	1.28	1.44
			Output Power HP (mechanical)	0.02	0.05	0.07	0.10	0.17
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	26	32	37	43	42
	625.	1.40	Input Power HP (mechanical)	0.07	0.15	0.21	0.24	0.39
			Input Power HP (thermal)	0.51	0.53	1.01	0.90	1.30
			Output Power HP (mechanical)	0.02	0.05	0.07	0.09	0.16
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	26	32	34	38	41
	700.	1.25	Input Power HP (mechanical)	0.06	0.06	0.14	0.14	0.22
			Input Power HP (thermal)	0.25	0.27	0.53	0.41	0.58
			Output Power HP (mechanical)	0.01	0.01	0.04	0.05	0.08
			Output Torque lb.in (mech.)	716	690	2160	2360	4060
			Efficiency %	21	21	31	33	38
	750.	1.17	Input Power HP (mechanical)	0.07	0.13	0.19	0.22	0.34
			Input Power HP (thermal)	0.50	0.53	0.98	0.90	1.30
			Output Power HP (mechanical)	0.02	0.04	0.06	0.08	0.13
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	24	30	31	36	39
	800.	1.09	Input Power HP (mechanical)	0.07	0.14	0.18	0.20	0.30
			Input Power HP (thermal)	0.40	0.41	0.83	0.73	1.12
			Output Power HP (mechanical)	0.02	0.04	0.05	0.07	0.12
			Output Torque lb.in (mech.)	855	2190	3150	4210	6970
			Efficiency %	23	27	31	37	42

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	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	900.	0.97	Input Power HP (mechanical)	0.06	0.12	0.17	0.19	0.30
			Input Power HP (thermal)	0.48	0.49	0.93	0.82	1.23
			Output Power HP (mechanical)	0.01	0.03	0.05	0.06	0.11
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	22	28	29	34	37
	1000.	0.88	Input Power HP (mechanical)	0.06	0.12	0.16	0.18	0.28
			Input Power HP (thermal)	0.40	0.41	0.83	0.73	1.12
			Output Power HP (mechanical)	0.01	0.03	0.04	0.06	0.10
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	19	25	28	32	36
	1200.	0.73	Input Power HP (mechanical)	0.06	0.11	0.14	0.16	0.24
			Input Power HP (thermal)	0.40	0.41	0.83	0.73	1.12
			Output Power HP (mechanical)	0.01	0.03	0.04	0.05	0.08
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	17	23	26	30	34
	1250.	0.70	Input Power HP (mechanical)	0.06	0.10	0.14	0.16	0.25
			Input Power HP (thermal)	0.34	0.35	0.71	0.59	0.81
			Output Power HP (mechanical)	0.010	0.02	0.04	0.05	0.08
			Output Torque lb.in (mech.)	881	2070	3150	4210	7210
			Efficiency %	18	23	26	30	32
	1400.	0.63	Input Power HP (mechanical)	0.05	0.06	0.13	0.14	0.22
			Input Power HP (thermal)	0.25	0.27	0.53	0.41	0.58
			Output Power HP (mechanical)	0.009	0.01	0.03	0.04	0.07
			Output Torque lb.in (mech.)	881	1050	3150	3970	7210
			Efficiency %	17	16	24	29	33
	1500.	0.58	Input Power HP (mechanical)	0.05	0.09	0.12	0.14	0.22
			Input Power HP (thermal)	0.34	0.35	0.71	0.59	0.81
			Output Power HP (mechanical)	0.008	0.02	0.03	0.04	0.07
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	16	22	24	28	31
	1600.	0.55	Input Power HP (mechanical)	0.05	0.07	0.11	0.14	0.20
			Input Power HP (thermal)	0.40	0.41	0.83	0.73	1.12
			Output Power HP (mechanical)	0.007	0.01	0.02	0.04	0.06
			Output Torque lb.in (mech.)	858	1580	2600	4210	7210
			Efficiency %	14	19	21	26	31
	1750.	0.50	Input Power HP (mechanical)	0.05	0.06	0.12	0.13	0.20
			Input Power HP (thermal)	0.25	0.27	0.53	0.41	0.58
			Output Power HP (mechanical)	0.007	0.010	0.02	0.03	0.06
			Output Torque lb.in (mech.)	881	1240	3150	4210	7210
			Efficiency %	13	16	22	25	28
	1800.	0.49	Input Power HP (mechanical)	0.05	0.08	0.12	0.14	0.20
			Input Power HP (thermal)	0.30	0.31	0.60	0.48	0.71
			Output Power HP (mechanical)	0.007	0.01	0.02	0.03	0.06
			Output Torque lb.in (mech.)	881	1810	3150	4210	7210
			Efficiency %	13	18	20	24	29
	2000.	0.44	Input Power HP (mechanical)	0.05	0.06	0.10	0.12	0.18
			Input Power HP (thermal)	0.34	0.35	0.71	0.59	0.81
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	871	1600	2630	4210	7210
			Efficiency %	13	17	19	24	27
	2100.	0.42	Input Power HP (mechanical)	0.05	0.06	0.11	0.12	0.18
			Input Power HP (thermal)	0.25	0.27	0.53	0.41	0.58
			Output Power HP (mechanical)	0.006	0.009	0.02	0.03	0.05
			Output Torque lb.in (mech.)	881	1440	3150	4210	7210
			Efficiency %	12	15	19	23	27
	2400.	0.36	Input Power HP (mechanical)	0.05	0.06	0.09	0.12	0.17
			Input Power HP (thermal)	0.30	0.31	0.60	0.48	0.71
			Output Power HP (mechanical)	0.005	0.009	0.02	0.02	0.04
			Output Torque lb.in (mech.)	880	1620	2660	4210	7210
			Efficiency %	11	15	16	21	25
	2500.	0.35	Input Power HP (mechanical)	0.04	0.05	0.07	0.09	0.13
			Input Power HP (thermal)	0.34	0.35	0.71	0.59	0.81
			Output Power HP (mechanical)	0.003	0.006	0.01	0.02	0.03
			Output Torque lb.in (mech.)	627	1150	1900	3320	5200
			Efficiency %	10	13	15	20	22
	2800.	0.31	Input Power HP (mechanical)	0.04	0.06	0.08	0.10	0.15
			Input Power HP (thermal)	0.25	0.27	0.53	0.41	0.58
			Output Power HP (mechanical)	0.004	0.008	0.01	0.02	0.04
			Output Torque lb.in (mech.)	881	1630	2690	4210	7210
			Efficiency %	10	14	16	20	24
	3000.	0.29	Input Power HP (mechanical)	0.04	0.05	0.07	0.09	0.12
			Input Power HP (thermal)	0.30	0.31	0.60	0.48	0.71
			Output Power HP (mechanical)	0.003	0.005	0.009	0.02	0.02
			Output Torque lb.in (mech.)	633	1160	1920	3360	5260
			Efficiency %	8	11	12	17	21
	3500.	0.25	Input Power HP (mechanical)	0.04	0.05	0.07	0.08	0.11
			Input Power HP (thermal)	0.25	0.27	0.53	0.41	0.58
			Output Power HP (mechanical)	0.002	0.005	0.008	0.01	0.02
			Output Torque lb.in (mech.)	639	1170	1940	3390	5300
			Efficiency %	7	10	12	17	19
	3600.	0.24	Input Power HP (mechanical)	0.03	0.04	0.06	0.07	0.09
			Input Power HP (thermal)	0.30	0.31	0.60	0.48	0.71
			Output Power HP (mechanical)	0.002	0.003	0.006	0.010	0.02
			Output Torque lb.in (mech.)	484	889	1470	2550	3970
			Efficiency %	6	9	9	13	17
	4200.	0.21	Input Power HP (mechanical)	0.03	0.04	0.06	0.07	0.09
			Input Power HP (thermal)	0.25	0.27	0.53	0.41	0.58
			Output Power HP (mechanical)	0.002	0.003	0.005	0.008	0.01
			Output Torque lb.in (mech.)	488	897	1480	2570	4000
			Efficiency %	5	8	9	13	15

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT					
				A0280	A0410	A0510	A0610	A0730	A0860
SINGLE REDUCTION	5.0	100.00	Input Power HP (mechanical)	0.36	1.07	1.67	2.43	4.91	5.90
			Input Power HP (thermal)	1.27	2.07	3.31	4.78	7.33	8.59
			Output Power HP (mechanical)	0.31	0.93	1.46	2.14	4.49	5.44
			Output Torque lb.in (mech.)	205	614	884	1350	2940	3310
			Efficiency %	85	87	88	88	91	92
	7.5	66.67	Input Power HP (mechanical)	0.39	0.93	1.61	2.37	3.12	5.03
			Input Power HP (thermal)	1.05	1.75	2.77	4.14	6.41	7.38
			Output Power HP (mechanical)	0.32	0.78	1.37	2.06	2.81	4.56
			Output Torque lb.in (mech.)	295	721	1270	1900	2570	4170
			Efficiency %	82	85	87	90	91	
	10.0	50.00	Input Power HP (mechanical)	0.35	0.74	1.36	1.96	2.15	4.36
			Input Power HP (thermal)	0.81	1.42	2.18	3.61	5.35	6.24
			Output Power HP (mechanical)	0.27	0.59	1.11	1.66	1.90	3.88
			Output Torque lb.in (mech.)	357	784	1470	2020	2470	4720
			Efficiency %	78	80	82	85	88	89
	12.5	40.00	Input Power HP (mechanical)	0.33	0.72	1.31	1.68	2.59	2.93
			Input Power HP (thermal)	0.68	1.24	1.95	2.93	4.37	5.57
			Output Power HP (mechanical)	0.24	0.56	1.04	1.36	2.22	2.56
			Output Torque lb.in (mech.)	380	881	1640	2140	3490	4090
			Efficiency %	74	77	79	81	86	87
	15.0	33.33	Input Power HP (mechanical)	0.24	0.64	0.83	1.45	2.16	3.32
			Input Power HP (thermal)	0.68	1.13	1.91	2.64	4.10	4.70
			Output Power HP (mechanical)	0.18	0.48	0.65	1.15	1.83	2.84
			Output Torque lb.in (mech.)	322	881	1190	2170	3340	5180
			Efficiency %	73	75	79	79	85	85
	20.0	25.00	Input Power HP (mechanical)	0.27	0.38	1.08	1.32	1.39	2.06
			Input Power HP (thermal)	0.45	1.06	1.30	1.90	3.48	3.97
			Output Power HP (mechanical)	0.17	0.28	0.76	0.95	1.14	1.70
			Output Torque lb.in (mech.)	432	680	1910	2390	2790	4180
			Efficiency %	63	73	70	72	82	83
	25.0	20.00	Input Power HP (mechanical)	0.22	0.43	1.01	1.30	1.77	2.90
			Input Power HP (thermal)	0.42	0.76	1.17	1.67	2.51	2.86
			Output Power HP (mechanical)	0.13	0.28	0.67	0.90	1.34	2.22
			Output Torque lb.in (mech.)	421	881	2120	2820	4210	6980
			Efficiency %	60	64	67	69	76	76
	30.0	16.67	Input Power HP (mechanical)	0.16	0.38	0.68	1.12	1.26	2.08
			Input Power HP (thermal)	0.39	0.70	1.11	1.52	2.34	2.67
			Output Power HP (mechanical)	0.09	0.23	0.44	0.73	0.93	1.55
			Output Torque lb.in (mech.)	330	881	1660	2770	3500	5850
			Efficiency %	56	61	64	65	73	74
	40.0	12.50	Input Power HP (mechanical)	0.09	0.25	0.41	0.69	0.87	1.50
			Input Power HP (thermal)	0.33	0.63	1.02	1.35	2.03	2.32
			Output Power HP (mechanical)	0.04	0.14	0.25	0.42	0.60	1.06
			Output Torque lb.in (mech.)	208	703	1250	2130	3010	5330
			Efficiency %	47	56	60	61	69	71
	50.0	10.00	Input Power HP (mechanical)	0.06	0.16	0.27	0.44	0.65	1.01
			Input Power HP (thermal)	0.28	0.50	0.75	1.07	1.54	1.69
			Output Power HP (mechanical)	0.03	0.08	0.15	0.25	0.43	0.67
			Output Torque lb.in (mech.)	164	509	931	1550	2680	4220
			Efficiency %	44	52	55	56	66	66
	60.0	8.33	Input Power HP (mechanical)	0.04	0.12	0.19	0.30	0.45	0.68
			Input Power HP (thermal)	0.24	0.41	0.66	0.93	1.27	1.43
			Output Power HP (mechanical)	0.02	0.05	0.09	0.16	0.27	0.43
			Output Torque lb.in (mech.)	124	391	718	1190	2060	3210
			Efficiency %	38	45	51	53	61	62
	70.0	7.14	Input Power HP (mechanical)	0.03	0.08	0.13	0.22	0.33	0.51
			Input Power HP (thermal)	0.20	0.35	0.54	0.75	1.00	1.13
			Output Power HP (mechanical)	0.01	0.04	0.06	0.11	0.18	0.30
			Output Torque lb.in (mech.)	99	319	561	956	1610	2610
			Efficiency %	34	43	47	48	56	58

RATINGS AT 500 REV / MIN INPUT

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	75.0	6.67	Input Power HP (mechanical)	0.16	0.27	0.48	0.64	1.17
			Input Power HP (thermal)	0.73	1.32	1.70	2.01	2.49
			Output Power HP (mechanical)	0.09	0.17	0.30	0.44	0.82
			Output Torque lb.in (mech.)	881	1620	2960	4210	7210
			Efficiency %	59	63	62	68	70
	100.	5.00	Input Power HP (mechanical)	0.11	0.31	0.43	0.48	0.81
			Input Power HP (thermal)	0.71	0.85	1.21	2.01	2.14
			Output Power HP (mechanical)	0.06	0.17	0.24	0.31	0.54
			Output Torque lb.in (mech.)	790	2190	3150	4030	6400
			Efficiency %	56	54	55	65	67
	125.	4.00	Input Power HP (mechanical)	0.11	0.26	0.37	0.44	0.79
			Input Power HP (thermal)	0.50	0.76	1.07	1.54	1.57
			Output Power HP (mechanical)	0.05	0.13	0.19	0.26	0.48
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	48	51	52	58	60
	150.	3.33	Input Power HP (mechanical)	0.09	0.16	0.29	0.36	0.60
			Input Power HP (thermal)	0.66	0.79	1.49	1.36	1.95
			Output Power HP (mechanical)	0.05	0.09	0.16	0.22	0.38
			Output Torque lb.in (mech.)	881	1680	3150	4210	7210
			Efficiency %	50	55	56	61	63
	200.	2.50	Input Power HP (mechanical)	0.07	0.18	0.25	0.28	0.44
			Input Power HP (thermal)	0.65	0.77	1.06	1.36	1.94
			Output Power HP (mechanical)	0.03	0.08	0.12	0.16	0.26
			Output Torque lb.in (mech.)	824	2190	3150	4200	6720
			Efficiency %	47	46	48	58	59
	225.	2.22	Input Power HP (mechanical)	0.07	0.13	0.23	0.28	0.46
			Input Power HP (thermal)	0.63	0.65	1.16	1.03	1.71
			Output Power HP (mechanical)	0.03	0.06	0.12	0.16	0.27
			Output Torque lb.in (mech.)	881	1670	3150	4210	7210
			Efficiency %	46	50	51	56	60
	250.	2.00	Input Power HP (mechanical)	0.07	0.15	0.21	0.25	0.42
			Input Power HP (thermal)	0.46	0.69	0.94	1.34	1.43
			Output Power HP (mechanical)	0.03	0.07	0.10	0.13	0.22
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	40	44	45	50	52
	300.	1.67	Input Power HP (mechanical)	0.07	0.11	0.18	0.22	0.39
			Input Power HP (thermal)	0.42	0.43	1.11	0.98	1.16
			Output Power HP (mechanical)	0.02	0.05	0.09	0.12	0.20
			Output Torque lb.in (mech.)	881	1670	3150	4210	7210
			Efficiency %	37	42	49	54	51
	350.	1.43	Input Power HP (mechanical)	0.05	0.12	0.17	0.20	0.17
			Input Power HP (thermal)	0.45	0.65	0.92	1.03	0.68
			Output Power HP (mechanical)	0.02	0.05	0.07	0.09	0.07
			Output Torque lb.in (mech.)	881	2190	3150	4210	2870
			Efficiency %	36	40	41	46	40
	375.	1.33	Input Power HP (mechanical)	0.03	0.04	0.08	0.11	0.32
			Input Power HP (thermal)	0.30	0.46	0.64	0.69	1.37
			Output Power HP (mechanical)	0.008	0.01	0.02	0.04	0.16
			Output Torque lb.in (mech.)	352	618	1050	1780	7210
			Efficiency %	27	32	30	37	49
	400.	1.25	Input Power HP (mechanical)	0.05	0.12	0.15	0.18	0.29
			Input Power HP (thermal)	0.42	0.43	0.98	0.98	1.16
			Output Power HP (mechanical)	0.02	0.04	0.06	0.09	0.14
			Output Torque lb.in (mech.)	850	2190	3150	4210	6930
			Efficiency %	34	35	42	50	48
	450.	1.11	Input Power HP (mechanical)	0.05	0.10	0.15	0.18	0.28
			Input Power HP (thermal)	0.42	0.65	0.87	1.03	1.32
			Output Power HP (mechanical)	0.02	0.04	0.06	0.08	0.13
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	33	38	38	44	47
	500.	1.00	Input Power HP (mechanical)	0.05	0.11	0.13	0.16	0.27
			Input Power HP (thermal)	0.42	0.43	0.87	0.98	1.16
			Output Power HP (mechanical)	0.01	0.03	0.05	0.07	0.11
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	28	33	39	43	42
	600.	0.83	Input Power HP (mechanical)	0.05	0.09	0.12	0.14	0.24
			Input Power HP (thermal)	0.42	0.43	0.82	0.98	1.16
			Output Power HP (mechanical)	0.01	0.03	0.04	0.06	0.10
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	26	31	36	41	40
	625.	0.80	Input Power HP (mechanical)	0.04	0.09	0.12	0.15	0.24
			Input Power HP (thermal)	0.39	0.40	0.77	0.69	1.03
			Output Power HP (mechanical)	0.01	0.03	0.04	0.05	0.09
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	26	31	33	37	39
	700.	0.71	Input Power HP (mechanical)	0.04	0.04	0.09	0.08	0.14
			Input Power HP (thermal)	0.20	0.21	0.44	0.34	0.49
			Output Power HP (mechanical)	0.008	0.008	0.03	0.03	0.05
			Output Torque lb.in (mech.)	745	717	2240	2450	4210
			Efficiency %	21	21	30	32	36
	750.	0.67	Input Power HP (mechanical)	0.04	0.08	0.11	0.13	0.21
			Input Power HP (thermal)	0.39	0.40	0.77	0.69	1.03
			Output Power HP (mechanical)	0.009	0.02	0.03	0.04	0.08
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	24	29	30	35	37
	800.	0.63	Input Power HP (mechanical)	0.04	0.08	0.11	0.12	0.18
			Input Power HP (thermal)	0.30	0.32	0.64	0.57	0.91
			Output Power HP (mechanical)	0.009	0.02	0.03	0.04	0.07
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	23	26	30	36	40

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	900.	0.56	Input Power HP (mechanical)	0.04	0.07	0.10	0.12	0.18
			Input Power HP (thermal)	0.37	0.38	0.71	0.64	0.99
			Output Power HP (mechanical)	0.008	0.02	0.03	0.04	0.06
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	22	27	28	32	36
	1000.	0.50	Input Power HP (mechanical)	0.04	0.07	0.09	0.11	0.17
			Input Power HP (thermal)	0.30	0.32	0.64	0.57	0.91
			Output Power HP (mechanical)	0.007	0.02	0.02	0.03	0.06
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	19	24	27	31	34
	1200.	0.42	Input Power HP (mechanical)	0.03	0.07	0.08	0.10	0.15
			Input Power HP (thermal)	0.30	0.32	0.64	0.57	0.91
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	17	22	25	29	33
	1250.	0.40	Input Power HP (mechanical)	0.03	0.06	0.08	0.09	0.15
			Input Power HP (thermal)	0.27	0.28	0.56	0.49	0.67
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	881	2140	3150	4210	7210
			Efficiency %	17	22	25	28	31
	1400.	0.36	Input Power HP (mechanical)	0.03	0.04	0.08	0.08	0.13
			Input Power HP (thermal)	0.20	0.21	0.44	0.34	0.49
			Output Power HP (mechanical)	0.005	0.006	0.02	0.02	0.04
			Output Torque lb.in (mech.)	881	1080	3150	4110	7210
			Efficiency %	17	16	23	28	32
	1500.	0.33	Input Power HP (mechanical)	0.03	0.06	0.07	0.08	0.13
			Input Power HP (thermal)	0.27	0.28	0.56	0.49	0.67
			Output Power HP (mechanical)	0.005	0.01	0.02	0.02	0.04
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	16	21	23	27	29
	1600.	0.31	Input Power HP (mechanical)	0.03	0.04	0.06	0.08	0.12
			Input Power HP (thermal)	0.30	0.32	0.64	0.57	0.91
			Output Power HP (mechanical)	0.004	0.008	0.01	0.02	0.04
			Output Torque lb.in (mech.)	881	1630	2690	4210	7210
			Efficiency %	15	19	21	26	29
	1750.	0.29	Input Power HP (mechanical)	0.03	0.04	0.07	0.08	0.12
			Input Power HP (thermal)	0.20	0.21	0.44	0.34	0.49
			Output Power HP (mechanical)	0.004	0.006	0.01	0.02	0.03
			Output Torque lb.in (mech.)	881	1270	3150	4210	7210
			Efficiency %	13	15	21	24	27
	1800.	0.28	Input Power HP (mechanical)	0.03	0.05	0.07	0.08	0.12
			Input Power HP (thermal)	0.24	0.24	0.47	0.40	0.59
			Output Power HP (mechanical)	0.004	0.008	0.01	0.02	0.03
			Output Torque lb.in (mech.)	881	1870	3150	4210	7210
			Efficiency %	13	17	20	23	27
	2000.	0.25	Input Power HP (mechanical)	0.03	0.04	0.06	0.07	0.11
			Input Power HP (thermal)	0.27	0.28	0.56	0.49	0.67
			Output Power HP (mechanical)	0.003	0.006	0.01	0.02	0.03
			Output Torque lb.in (mech.)	881	1650	2720	4210	7210
			Efficiency %	13	17	19	24	26
	2100.	0.24	Input Power HP (mechanical)	0.03	0.04	0.06	0.07	0.11
			Input Power HP (thermal)	0.20	0.21	0.44	0.34	0.49
			Output Power HP (mechanical)	0.003	0.006	0.01	0.02	0.03
			Output Torque lb.in (mech.)	881	1480	3150	4210	7210
			Efficiency %	12	15	19	22	26
	2400.	0.21	Input Power HP (mechanical)	0.03	0.04	0.06	0.07	0.10
			Input Power HP (thermal)	0.24	0.24	0.47	0.40	0.59
			Output Power HP (mechanical)	0.003	0.005	0.009	0.01	0.02
			Output Torque lb.in (mech.)	881	1670	2750	4210	7210
			Efficiency %	11	15	16	20	24
	2500.	0.20	Input Power HP (mechanical)	0.02	0.03	0.04	0.05	0.08
			Input Power HP (thermal)	0.27	0.28	0.56	0.49	0.67
			Output Power HP (mechanical)	0.002	0.004	0.006	0.01	0.02
			Output Torque lb.in (mech.)	647	1180	1960	3430	5370
			Efficiency %	10	13	15	20	22
	2800.	0.18	Input Power HP (mechanical)	0.02	0.04	0.05	0.06	0.09
			Input Power HP (thermal)	0.20	0.21	0.44	0.34	0.49
			Output Power HP (mechanical)	0.002	0.005	0.008	0.01	0.02
			Output Torque lb.in (mech.)	881	1680	2780	4210	7210
			Efficiency %	10	14	16	20	23
	3000.	0.17	Input Power HP (mechanical)	0.02	0.03	0.04	0.05	0.07
			Input Power HP (thermal)	0.24	0.24	0.47	0.40	0.59
			Output Power HP (mechanical)	0.002	0.003	0.005	0.009	0.01
			Output Torque lb.in (mech.)	654	1190	1980	3460	5420
			Efficiency %	8	11	12	17	20
	3500.	0.14	Input Power HP (mechanical)	0.02	0.03	0.04	0.05	0.07
			Input Power HP (thermal)	0.20	0.21	0.44	0.34	0.49
			Output Power HP (mechanical)	0.002	0.003	0.004	0.008	0.01
			Output Torque lb.in (mech.)	659	1200	2000	3490	5470
			Efficiency %	8	10	12	16	19
	3600.	0.14	Input Power HP (mechanical)	0.02	0.02	0.03	0.04	0.05
			Input Power HP (thermal)	0.24	0.24	0.47	0.40	0.59
			Output Power HP (mechanical)	0.001	0.002	0.003	0.006	0.009
			Output Torque lb.in (mech.)	499	916	1510	2620	4090
			Efficiency %	6	9	10	13	17
	4200.	0.12	Input Power HP (mechanical)	0.02	0.02	0.03	0.04	0.05
			Input Power HP (thermal)	0.20	0.21	0.44	0.34	0.49
			Output Power HP (mechanical)	0.001	0.002	0.003	0.005	0.008
			Output Torque lb.in (mech.)	503	923	1530	2650	4120
			Efficiency %	5	8	9	13	15

RATINGS AT 250 REV / MIN INPUT

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT					
				A0280	A0410	A0510	A0610	A0730	A0860
SINGLE REDUCTION	5.0	50.00	Input Power HP (mechanical)	0.18	0.68	0.83	1.22	2.45	2.95
			Input Power HP (thermal)	1.01	1.62	2.59	3.83	4.95	5.42
			Output Power HP (mechanical)	0.15	0.58	0.72	1.06	2.21	2.67
			Output Torque lb.in (mech.)	202	765	867	1330	2890	3250
			Efficiency %	84	85	86	87	90	90
	7.5	33.33	Input Power HP (mechanical)	0.19	0.58	0.84	1.18	1.56	2.52
			Input Power HP (thermal)	0.83	1.38	2.19	3.35	4.37	4.71
			Output Power HP (mechanical)	0.16	0.48	0.70	1.00	1.38	2.24
			Output Torque lb.in (mech.)	288	881	1300	1850	2520	4090
			Efficiency %	81	82	84	85	88	89
	10.0	25.00	Input Power HP (mechanical)	0.17	0.42	0.78	0.98	1.08	2.18
			Input Power HP (thermal)	0.62	1.11	1.72	2.84	3.68	4.01
			Output Power HP (mechanical)	0.13	0.33	0.62	0.81	0.93	1.90
			Output Torque lb.in (mech.)	348	880	1630	1980	2420	4620
			Efficiency %	76	78	79	83	86	87
	12.5	20.00	Input Power HP (mechanical)	0.18	0.37	0.68	0.90	1.30	1.46
			Input Power HP (thermal)	0.51	0.94	1.55	2.24	3.02	3.60
			Output Power HP (mechanical)	0.13	0.28	0.52	0.71	1.08	1.25
			Output Torque lb.in (mech.)	413	881	1640	2230	3410	3990
			Efficiency %	72	75	77	79	83	86
	15.0	16.67	Input Power HP (mechanical)	0.13	0.33	0.41	0.73	1.08	1.66
			Input Power HP (thermal)	0.52	0.85	1.54	2.02	2.84	3.05
			Output Power HP (mechanical)	0.10	0.24	0.32	0.56	0.89	1.38
			Output Torque lb.in (mech.)	349	881	1160	2100	3250	5030
			Efficiency %	71	73	77	77	82	83
	20.0	12.50	Input Power HP (mechanical)	0.17	0.21	0.62	0.76	0.70	1.03
			Input Power HP (thermal)	0.35	0.82	0.99	1.44	2.43	2.60
			Output Power HP (mechanical)	0.10	0.15	0.41	0.52	0.55	0.82
			Output Torque lb.in (mech.)	506	730	2080	2640	2700	4050
			Efficiency %	60	71	67	69	79	80
	25.0	10.00	Input Power HP (mechanical)	0.13	0.23	0.52	0.71	0.93	1.47
			Input Power HP (thermal)	0.33	0.57	0.88	1.27	1.77	1.89
			Output Power HP (mechanical)	0.07	0.14	0.33	0.46	0.67	1.07
			Output Torque lb.in (mech.)	450	881	2070	2920	4210	6750
			Efficiency %	57	62	63	66	72	73
	30.0	8.33	Input Power HP (mechanical)	0.09	0.20	0.34	0.56	0.63	1.04
			Input Power HP (thermal)	0.31	0.53	0.86	1.17	1.65	1.77
			Output Power HP (mechanical)	0.05	0.12	0.21	0.35	0.44	0.74
			Output Torque lb.in (mech.)	351	881	1570	2630	3340	5580
			Efficiency %	54	58	61	62	70	71
	40.0	6.25	Input Power HP (mechanical)	0.05	0.14	0.21	0.38	0.43	0.75
			Input Power HP (thermal)	0.26	0.48	0.80	1.05	1.45	1.55
			Output Power HP (mechanical)	0.02	0.07	0.12	0.22	0.28	0.50
			Output Torque lb.in (mech.)	220	744	1190	2200	2860	5050
			Efficiency %	45	53	57	58	65	67
	50.0	5.00	Input Power HP (mechanical)	0.03	0.09	0.15	0.24	0.32	0.52
			Input Power HP (thermal)	0.23	0.41	0.62	0.88	1.11	1.15
			Output Power HP (mechanical)	0.01	0.04	0.08	0.13	0.20	0.32
			Output Torque lb.in (mech.)	173	537	982	1630	2540	4060
			Efficiency %	42	50	52	53	62	62
	60.0	4.17	Input Power HP (mechanical)	0.02	0.06	0.10	0.17	0.25	0.38
			Input Power HP (thermal)	0.20	0.34	0.55	0.80	0.92	0.97
			Output Power HP (mechanical)	0.009	0.03	0.05	0.08	0.14	0.22
			Output Torque lb.in (mech.)	131	411	755	1250	2160	3370
			Efficiency %	37	43	48	50	57	59
	70.0	3.57	Input Power HP (mechanical)	0.02	0.05	0.07	0.12	0.18	0.29
			Input Power HP (thermal)	0.17	0.29	0.46	0.65	0.73	0.77
			Output Power HP (mechanical)	0.006	0.02	0.03	0.06	0.10	0.16
			Output Torque lb.in (mech.)	104	335	588	1000	1690	2740
			Efficiency %	33	41	45	46	53	54

RATINGS AT 250 REV / MIN INPUT

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	75.0	3.33	Input Power HP (mechanical)	0.08	0.15	0.26	0.34	0.61
			Input Power HP (thermal)	0.61	1.09	1.42	1.58	2.15
			Output Power HP (mechanical)	0.05	0.09	0.16	0.22	0.41
			Output Torque lb.in (mech.)	881	1680	3150	4210	7210
			Efficiency %	56	60	60	66	68
	100.	2.50	Input Power HP (mechanical)	0.06	0.16	0.23	0.26	0.44
			Input Power HP (thermal)	0.61	0.71	1.00	1.58	1.86
			Output Power HP (mechanical)	0.03	0.08	0.12	0.16	0.28
			Output Torque lb.in (mech.)	824	2190	3150	4200	6690
			Efficiency %	54	51	53	62	64
	125.	2.00	Input Power HP (mechanical)	0.06	0.14	0.19	0.23	0.42
			Input Power HP (thermal)	0.42	0.64	0.89	1.27	1.38
			Output Power HP (mechanical)	0.03	0.07	0.10	0.13	0.24
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	46	48	49	55	57
	150.	1.67	Input Power HP (mechanical)	0.05	0.08	0.15	0.19	0.31
			Input Power HP (thermal)	0.57	0.60	1.13	1.01	1.52
			Output Power HP (mechanical)	0.02	0.04	0.08	0.11	0.19
			Output Torque lb.in (mech.)	881	1670	3150	4210	7210
			Efficiency %	48	53	54	58	60
	200.	1.25	Input Power HP (mechanical)	0.04	0.09	0.13	0.15	0.24
			Input Power HP (thermal)	0.57	0.60	0.91	1.01	1.52
			Output Power HP (mechanical)	0.02	0.04	0.06	0.08	0.14
			Output Torque lb.in (mech.)	852	2190	3150	4210	6950
			Efficiency %	46	44	46	55	57
	225.	1.11	Input Power HP (mechanical)	0.04	0.06	0.12	0.15	0.24
			Input Power HP (thermal)	0.48	0.50	0.87	0.78	1.37
			Output Power HP (mechanical)	0.02	0.03	0.06	0.08	0.14
			Output Torque lb.in (mech.)	881	1660	3150	4210	7210
			Efficiency %	44	49	49	53	57
	250.	1.00	Input Power HP (mechanical)	0.03	0.08	0.11	0.13	0.22
			Input Power HP (thermal)	0.40	0.60	0.81	1.01	1.23
			Output Power HP (mechanical)	0.01	0.03	0.05	0.06	0.11
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	38	41	43	48	50
	300.	0.83	Input Power HP (mechanical)	0.03	0.06	0.09	0.12	0.20
			Input Power HP (thermal)	0.32	0.33	0.83	0.75	0.87
			Output Power HP (mechanical)	0.01	0.02	0.04	0.06	0.10
			Output Torque lb.in (mech.)	881	1660	3150	4210	7210
			Efficiency %	35	40	47	51	49
	350.	0.71	Input Power HP (mechanical)	0.03	0.06	0.09	0.11	0.09
			Input Power HP (thermal)	0.39	0.50	0.80	0.78	0.61
			Output Power HP (mechanical)	0.010	0.02	0.03	0.05	0.04
			Output Torque lb.in (mech.)	881	2190	3150	4210	2980
			Efficiency %	35	38	39	43	38
	375.	0.67	Input Power HP (mechanical)	0.01	0.02	0.04	0.06	0.17
			Input Power HP (thermal)	0.27	0.43	0.55	0.64	1.18
			Output Power HP (mechanical)	0.004	0.007	0.01	0.02	0.08
			Output Torque lb.in (mech.)	366	644	1100	1850	7210
			Efficiency %	27	31	29	35	47
	400.	0.63	Input Power HP (mechanical)	0.03	0.07	0.08	0.09	0.16
			Input Power HP (thermal)	0.32	0.33	0.83	0.75	0.87
			Output Power HP (mechanical)	0.009	0.02	0.03	0.04	0.07
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	33	33	40	48	46
	450.	0.56	Input Power HP (mechanical)	0.02	0.05	0.08	0.09	0.15
			Input Power HP (thermal)	0.37	0.50	0.75	0.78	1.13
			Output Power HP (mechanical)	0.008	0.02	0.03	0.04	0.07
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	32	37	36	42	45
	500.	0.50	Input Power HP (mechanical)	0.03	0.06	0.07	0.08	0.15
			Input Power HP (thermal)	0.32	0.33	0.76	0.75	0.87
			Output Power HP (mechanical)	0.007	0.02	0.03	0.03	0.06
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	27	31	37	41	39
	600.	0.42	Input Power HP (mechanical)	0.02	0.05	0.06	0.07	0.13
			Input Power HP (thermal)	0.32	0.33	0.72	0.75	0.87
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	25	30	35	40	38
	625.	0.40	Input Power HP (mechanical)	0.02	0.05	0.06	0.08	0.13
			Input Power HP (thermal)	0.30	0.31	0.58	0.53	0.78
			Output Power HP (mechanical)	0.006	0.01	0.02	0.03	0.05
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	25	29	31	35	37
	700.	0.36	Input Power HP (mechanical)	0.02	0.02	0.05	0.05	0.07
			Input Power HP (thermal)	0.17	0.18	0.35	0.29	0.41
			Output Power HP (mechanical)	0.004	0.004	0.01	0.01	0.03
			Output Torque lb.in (mech.)	774	745	2330	2540	4370
			Efficiency %	21	21	29	31	35
	750.	0.33	Input Power HP (mechanical)	0.02	0.04	0.06	0.07	0.11
			Input Power HP (thermal)	0.30	0.31	0.58	0.53	0.78
			Output Power HP (mechanical)	0.005	0.01	0.02	0.02	0.04
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	23	28	29	33	35
	800.	0.31	Input Power HP (mechanical)	0.02	0.04	0.06	0.06	0.10
			Input Power HP (thermal)	0.24	0.25	0.49	0.44	0.70
			Output Power HP (mechanical)	0.004	0.01	0.02	0.02	0.04
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	23	24	28	34	38

RATINGS AT 250 REV / MIN INPUT

	NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZE OF UNIT				
				A0410	A0510	A0610	A0730	A0860
DOUBLE REDUCTION	900.	0.28	Input Power HP (mechanical)	0.02	0.04	0.05	0.06	0.09
			Input Power HP (thermal)	0.28	0.29	0.54	0.49	0.76
			Output Power HP (mechanical)	0.004	0.010	0.01	0.02	0.03
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	22	26	27	31	34
	1000.	0.25	Input Power HP (mechanical)	0.02	0.04	0.05	0.06	0.09
			Input Power HP (thermal)	0.24	0.25	0.49	0.44	0.70
			Output Power HP (mechanical)	0.003	0.009	0.01	0.02	0.03
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	19	22	26	29	32
	1200.	0.21	Input Power HP (mechanical)	0.02	0.03	0.04	0.05	0.08
			Input Power HP (thermal)	0.24	0.25	0.49	0.44	0.70
			Output Power HP (mechanical)	0.003	0.007	0.01	0.01	0.02
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	17	21	24	28	31
	1250.	0.20	Input Power HP (mechanical)	0.02	0.03	0.04	0.05	0.08
			Input Power HP (thermal)	0.21	0.22	0.44	0.39	0.56
			Output Power HP (mechanical)	0.003	0.007	0.01	0.01	0.02
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	17	21	24	27	29
	1400.	0.18	Input Power HP (mechanical)	0.02	0.02	0.04	0.05	0.07
			Input Power HP (thermal)	0.17	0.18	0.35	0.29	0.41
			Output Power HP (mechanical)	0.003	0.003	0.009	0.01	0.02
			Output Torque lb.in (mech.)	881	1120	3150	4210	7210
			Efficiency %	17	16	22	27	30
	1500.	0.17	Input Power HP (mechanical)	0.01	0.03	0.04	0.04	0.07
			Input Power HP (thermal)	0.21	0.22	0.44	0.39	0.56
			Output Power HP (mechanical)	0.002	0.006	0.008	0.01	0.02
			Output Torque lb.in (mech.)	881	2190	3150	4210	7210
			Efficiency %	16	20	22	26	28
	1600.	0.16	Input Power HP (mechanical)	0.01	0.02	0.03	0.04	0.06
			Input Power HP (thermal)	0.24	0.25	0.49	0.44	0.70
			Output Power HP (mechanical)	0.002	0.004	0.007	0.01	0.02
			Output Torque lb.in (mech.)	881	1700	2800	4210	7210
			Efficiency %	15	18	20	25	28
	1750.	0.14	Input Power HP (mechanical)	0.01	0.02	0.04	0.04	0.06
			Input Power HP (thermal)	0.17	0.18	0.35	0.29	0.41
			Output Power HP (mechanical)	0.002	0.003	0.007	0.009	0.02
			Output Torque lb.in (mech.)	881	1310	3150	4210	7210
			Efficiency %	13	15	20	23	26
	1800.	0.14	Input Power HP (mechanical)	0.01	0.03	0.04	0.04	0.06
			Input Power HP (thermal)	0.19	0.20	0.37	0.33	0.49
			Output Power HP (mechanical)	0.002	0.004	0.007	0.009	0.02
			Output Torque lb.in (mech.)	881	1930	3150	4210	7210
			Efficiency %	13	17	19	22	26
	2000.	0.13	Input Power HP (mechanical)	0.01	0.02	0.03	0.04	0.06
			Input Power HP (thermal)	0.21	0.22	0.44	0.39	0.56
			Output Power HP (mechanical)	0.002	0.003	0.006	0.008	0.01
			Output Torque lb.in (mech.)	881	1710	2830	4210	7210
			Efficiency %	14	17	19	23	25
	2100.	0.12	Input Power HP (mechanical)	0.01	0.02	0.03	0.04	0.06
			Input Power HP (thermal)	0.17	0.18	0.35	0.29	0.41
			Output Power HP (mechanical)	0.002	0.003	0.006	0.008	0.01
			Output Torque lb.in (mech.)	881	1530	3150	4210	7210
			Efficiency %	12	15	18	21	24
	2400.	0.10	Input Power HP (mechanical)	0.01	0.02	0.03	0.04	0.05
			Input Power HP (thermal)	0.19	0.20	0.37	0.33	0.49
			Output Power HP (mechanical)	0.002	0.003	0.005	0.007	0.01
			Output Torque lb.in (mech.)	881	1730	2850	4210	7210
			Efficiency %	11	15	16	19	23
	2500.	0.10	Input Power HP (mechanical)	0.010	0.01	0.02	0.03	0.04
			Input Power HP (thermal)	0.21	0.22	0.44	0.39	0.56
			Output Power HP (mechanical)	0.001	0.002	0.003	0.006	0.009
			Output Torque lb.in (mech.)	671	1230	2040	3550	5570
			Efficiency %	11	14	15	20	21
	2800.	0.09	Input Power HP (mechanical)	0.01	0.02	0.03	0.03	0.05
			Input Power HP (thermal)	0.17	0.18	0.35	0.29	0.41
			Output Power HP (mechanical)	0.001	0.002	0.004	0.006	0.01
			Output Torque lb.in (mech.)	881	1740	2870	4210	7210
			Efficiency %	10	13	16	19	22
	3000.	0.08	Input Power HP (mechanical)	0.010	0.01	0.02	0.03	0.04
			Input Power HP (thermal)	0.19	0.20	0.37	0.33	0.49
			Output Power HP (mechanical)	0.001	0.002	0.003	0.005	0.007
			Output Torque lb.in (mech.)	677	1240	2050	3590	5620
			Efficiency %	9	12	13	17	20
	3500.	0.07	Input Power HP (mechanical)	0.010	0.01	0.02	0.03	0.03
			Input Power HP (thermal)	0.17	0.18	0.35	0.29	0.41
			Output Power HP (mechanical)	0.001	0.001	0.002	0.004	0.006
			Output Torque lb.in (mech.)	682	1250	2070	3610	5660
			Efficiency %	8	11	12	16	18
	3600.	0.07	Input Power HP (mechanical)	0.009	0.01	0.02	0.02	0.03
			Input Power HP (thermal)	0.19	0.20	0.37	0.33	0.49
			Output Power HP (mechanical)	0.001	0.001	0.002	0.003	0.005
			Output Torque lb.in (mech.)	516	948	1570	2710	4230
			Efficiency %	7	9	10	14	16
	4200.	0.06	Input Power HP (mechanical)	0.008	0.01	0.02	0.02	0.03
			Input Power HP (thermal)	0.17	0.18	0.35	0.29	0.41
			Output Power HP (mechanical)	0.000	0.001	0.002	0.003	0.004
			Output Torque lb.in (mech.)	520	954	1580	2730	4260
			Efficiency %	6	9	10	13	15

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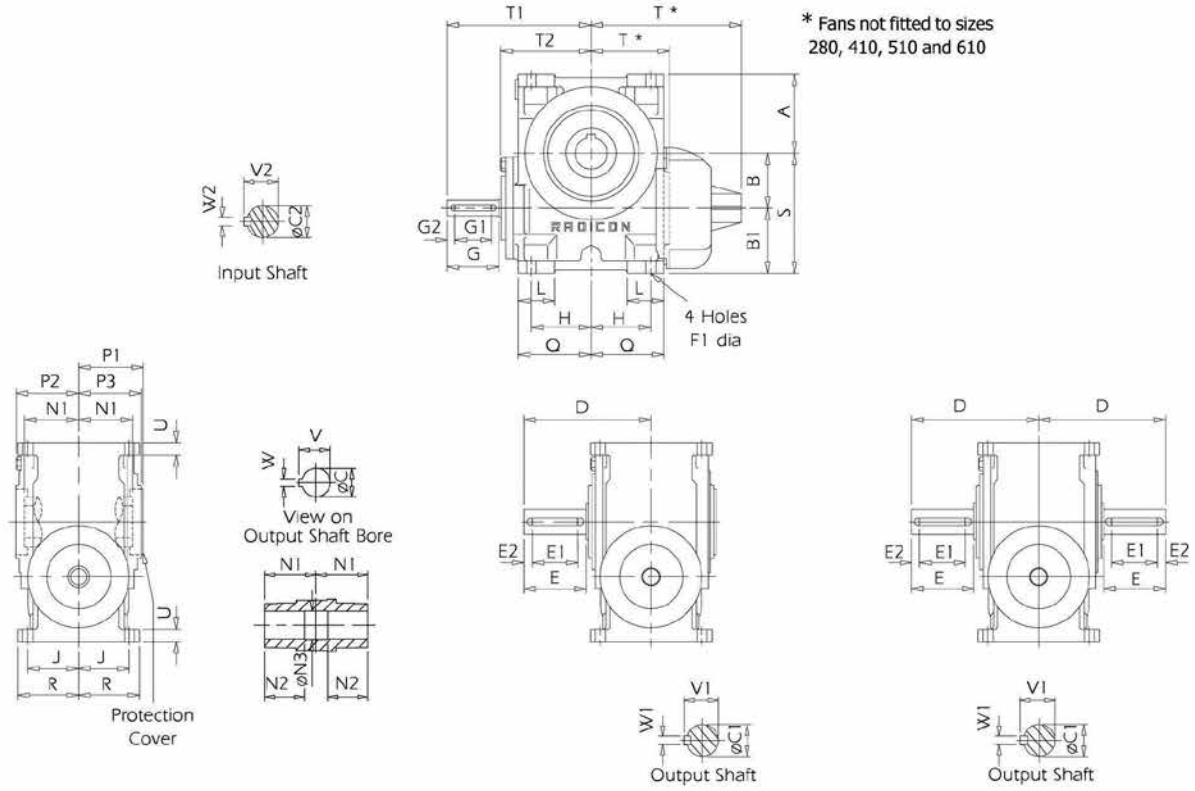
STANDARD UNIT



SIZE	A	B	B1	ø C	ø C1	C2	D	E	E1	E2	F1	G	G1	G2
A0280	2.283	1.125	2.063	0.625	0.625	0.4375	3.125	1.250	0.9375	0.16	0.35	1.125	0.906	0.13
A0410	2.598	1.625	2.350	0.750	0.750	0.625	3.875	1.625	1.3125	0.16	0.45	1.625	1.188	0.22
A0510	2.913	2.000	2.409	1.000	1.000	0.625	4.625	2.125	1.75	0.19	0.45	1.875	1.438	0.22
A0610	3.425	2.375	2.823	1.375	1.125	0.750	5.500	2.625	2.0	0.25	0.45	2.250	1.813	0.22
A0730	4.134	2.875	3.150	1.625	1.250	0.750	6.625	3.250	2.5	0.25	0.53	2.750	2.313	0.22
A0860	4.606	3.375	3.634	1.875	1.500	1.000	7.875	3.875	3.25	0.31	0.69	3.250	2.750	0.25

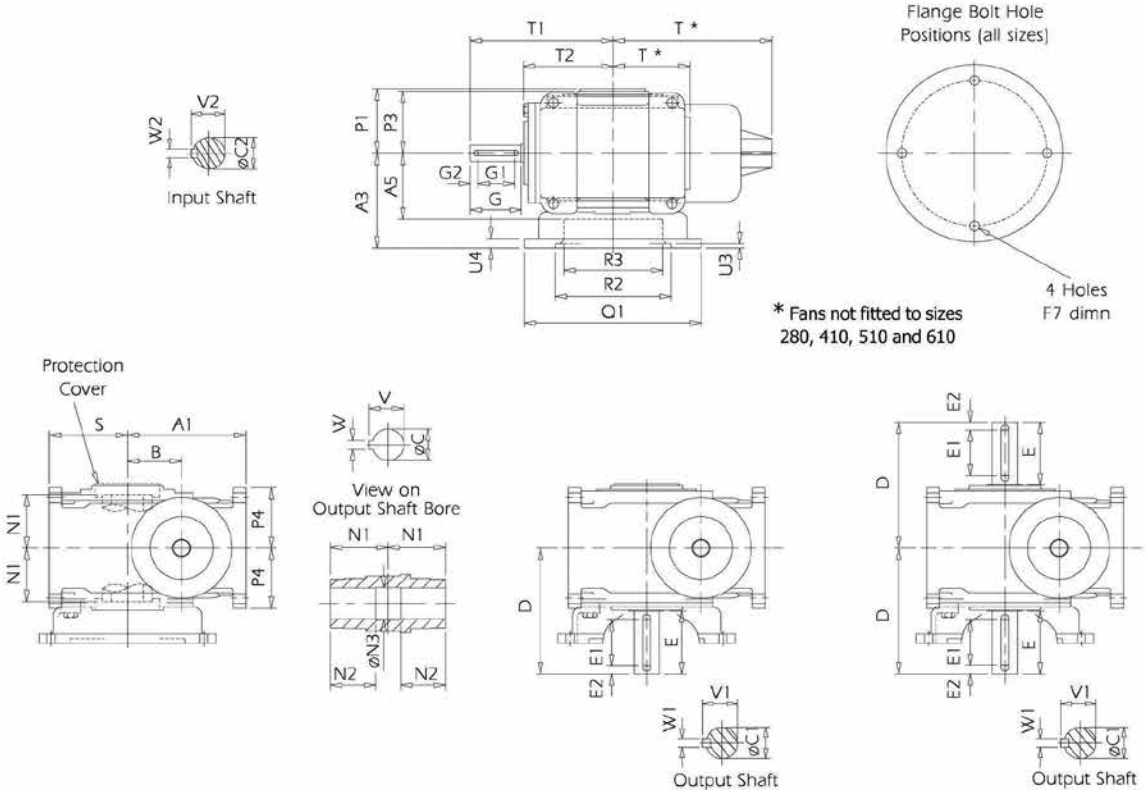
SIZE	H	J	L	N1	N2	øN3	P1	P2	P3	Q	R	S	T	T1
A0280	2.067	1.635	1.18	1.575	1.26	0.635 0.630	1.89	1.77	1.73	2.42	1.99	3.189	2.09	3.563
A0410	2.303	1.930	1.26	1.969	1.57	0.760 0.755	2.28	2.16	2.16	2.72	2.36	3.976	2.44	4.313
A0510	2.244	2.045	1.38	2.205	1.77	1.010 1.005	2.48	2.40	2.40	2.64	2.44	4.409	2.96	5.250
A0610	2.599	2.205	1.58	2.520	1.97	1.385 1.380	2.84	2.64	2.72	3.15	2.64	5.197	3.39	6.250
A0730	3.189	2.755	1.77	3.031	2.36	1.635 1.630	3.42	3.19	3.31	3.74	3.31	6.024	4.06	7.500
A0860	3.544	3.110	2.16	3.661	2.87	1.885 1.880	4.09	3.82	3.90	4.25	3.82	7.008	4.57	8.625

SIZE	T2	U	V	V1	V2	W	W1	W2
A0280	2.40	0.35	0.715 0.709	0.707 0.699	0.480 0.472	0.1895 0.1875	0.190 0.188	0.096 0.094
A0410	2.68	0.39	0.843 0.837	0.834 0.826	0.708 0.700	0.1895 0.1875	0.190 0.188	0.190 0.188
A0510	3.39	0.47	1.120 1.114	1.110 1.102	0.708 0.700	0.2520 0.2500	0.252 0.250	0.190 0.188
A0610	3.94	0.55	1.524 1.518	1.238 1.230	0.833 0.825	0.3145 0.3125	0.252 0.250	0.190 0.188
A0730	4.80	0.63	1.802 1.796	1.364 1.356	0.833 0.825	0.3770 0.3750	0.252 0.250	0.190 0.188
A0860	5.20	0.71	2.102 2.096	1.666 1.658	1.110 1.102	0.5020 0.5000	0.377 0.375	0.252 0.250

AJ

A	0			0				F	R

STANDARD UNIT FLANGE MOUNTED



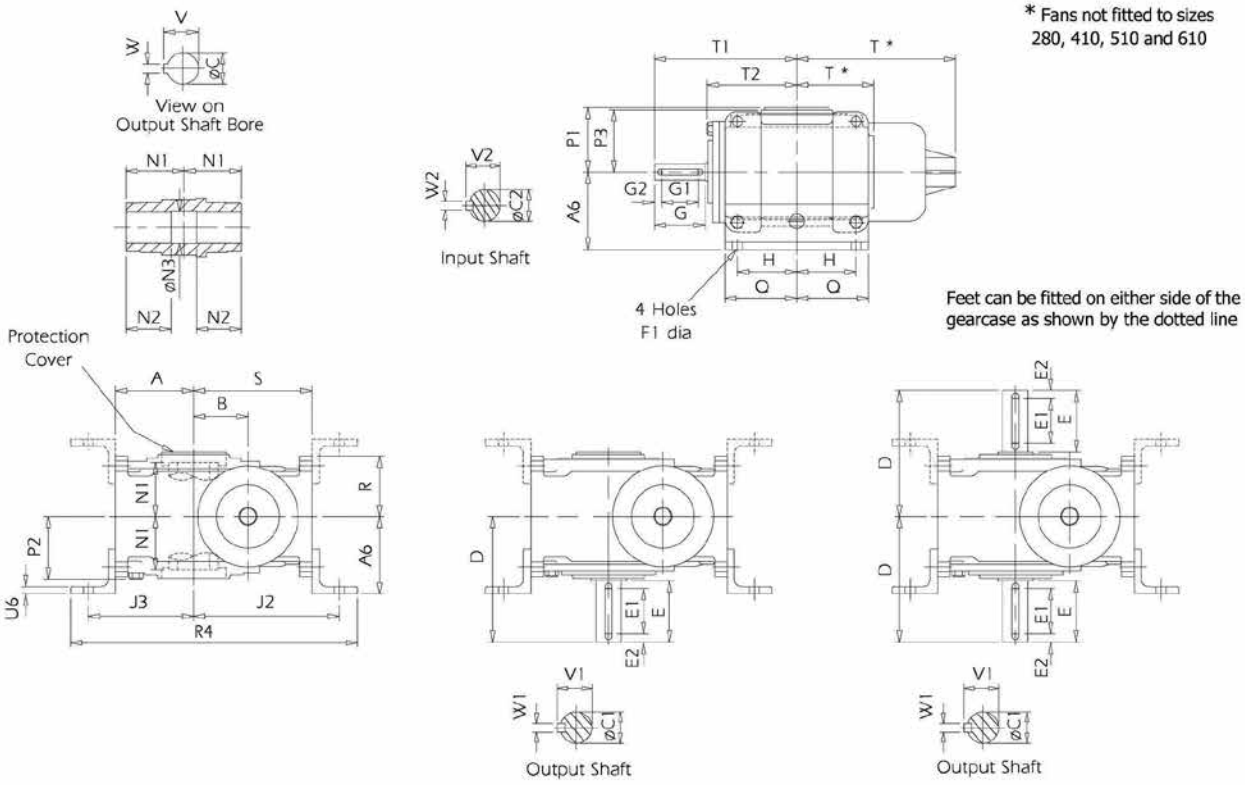
SIZE	A	B	B1	ø C	ø C1	C2	D	E	E1	E2	F1	G
A0280	3.189	2.480	1.93	1.125	0.625	0.625	0.4375	3.125	1.250	0.16	ø0.26 on 3.937 pcd	1.125
A0410	3.976	3.150	2.36	1.625	0.750	0.750	0.625	3.875	1.625	0.16	ø0.35 on 4.528 pcd	1.625
A0510	4.409	3.543	3.56	2.000	1.000	1.000	0.625	4.625	2.125	0.19	ø0.35 on 5.118 pcd	1.875
A0610	5.197	4.134	2.80	2.375	1.375	1.125	0.750	5.500	2.625	0.25	ø0.43 on 6.496 pcd	2.250
A0730	6.024	4.724	3.58	2.875	1.625	1.250	0.750	6.625	3.250	0.25	ø0.53 on 8.465 pcd	2.750
A0860	7.008	5.197	3.94	3.375	1.875	1.500	1.000	7.875	3.875	0.31	ø0.53 on 8.465 pcd	3.250

SIZE	G1	G2	N1	N2	øN3	P1	P3	P4	Q1	R2	R3	S	T	T1
A0280	0.906	0.13	1.575	1.26	0.635 0.630	1.89	1.73	1.99	4.72	3.1508 3.1496	2.36	2.283	2.09	3.563
A0410	1.188	0.22	1.969	1.57	0.760 0.755	2.28	2.16	2.36	5.51	3.7415 3.7402	2.84	2.598	2.44	4.313
A0510	1.438	0.22	2.205	1.77	1.010 1.005	2.48	2.40	2.44	6.30	4.3321 4.3307	3.46	2.913	2.96	5.250
A0610	1.813	0.22	2.520	1.97	1.385 1.380	2.84	2.72	2.64	7.87	5.1197 5.1181	4.33	3.425	3.39	6.250
A0730	2.313	0.22	3.031	2.36	1.635 1.630	3.42	3.31	3.31	9.84	7.0882 7.0866	5.36	4.134	4.06	7.500
A0860	2.750	0.25	3.661	2.87	1.885 1.880	4.09	3.90	3.82	9.84	7.0882 7.0866	5.91	4.606	4.57	8.625

SIZE	T2	U3	U4	V	V1	V2	W	W1	W2
A0280	2.40	0.12	0.28	0.715 0.709	0.707 0.699	0.480 0.472	0.1895 0.1875	0.190 0.188	0.096 0.094
A0410	2.68	0.14	0.31	0.843 0.837	0.834 0.826	0.708 0.700	0.1895 0.1875	0.190 0.188	0.190 0.188
A0510	3.39	0.16	0.35	1.120 1.114	1.110 1.102	0.708 0.700	0.2520 0.2500	0.252 0.250	0.190 0.188
A0610	3.94	0.18	0.39	1.524 1.518	1.238 1.230	0.833 0.825	0.3145 0.3125	0.252 0.250	0.190 0.188
A0730	4.80	0.20	0.47	1.802 1.796	1.364 1.356	0.833 0.825	0.3770 0.3750	0.252 0.250	0.190 0.188
A0860	5.20	0.20	0.47	2.102 2.096	1.666 1.658	1.110 1.102	0.5020 0.5000	0.377 0.375	0.252 0.250

A	0			0				G	R

STANDARD UNIT WITH SIDE MOUNTED FEET



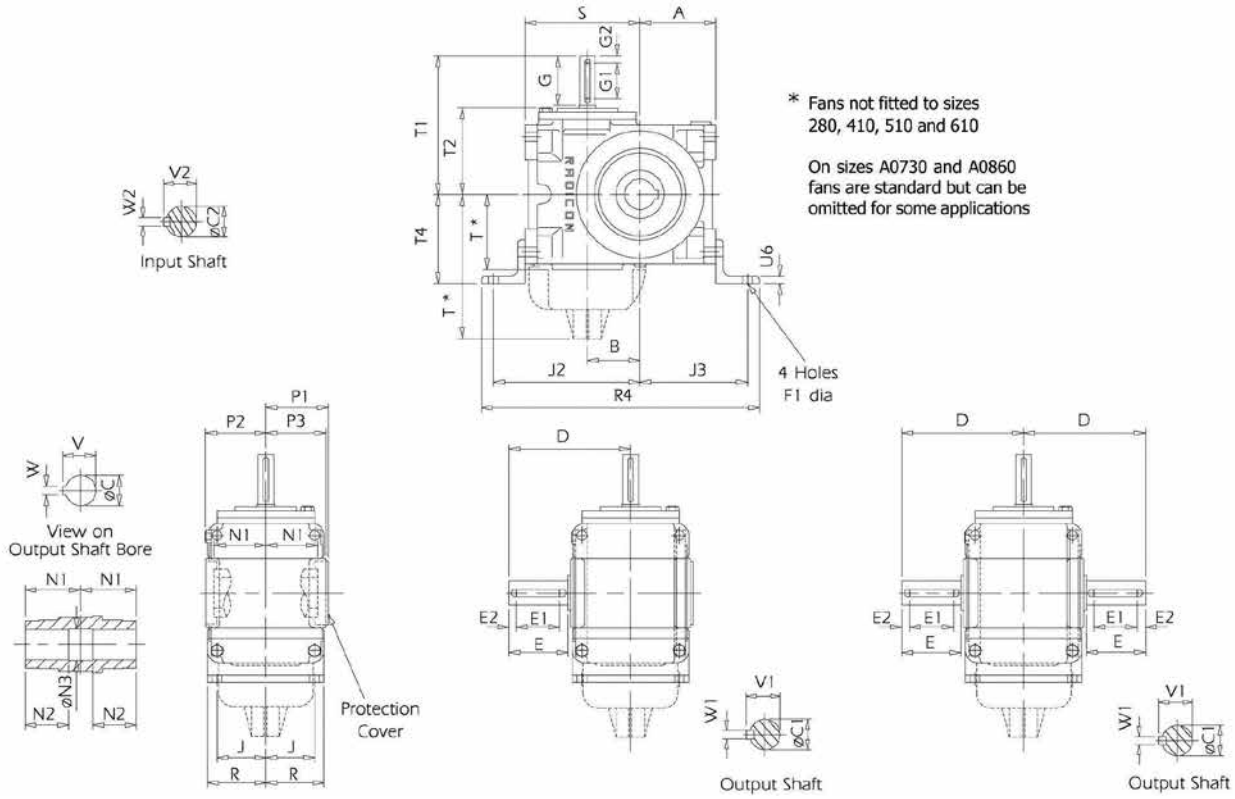
SIZE	A	A6	B	ø C	ø C1	C2	D	E	E1	E2	F1	G	G1	G2
A0280	2.283	2.441	1.125	0.625	0.625	0.4375	3.125	1.250	0.9375	0.16	0.35	1.125	0.906	0.13
A0410	2.598	2.953	1.625	0.750	0.750	0.625	3.875	1.625	1.3125	0.16	0.45	1.625	1.188	0.22
A0510	2.913	3.071	2.000	1.000	1.000	0.625	4.625	2.125	1.75	0.19	0.45	1.875	1.438	0.22
A0610	3.425	3.386	2.375	1.375	1.125	0.750	5.500	2.625	2.0	0.25	0.45	2.250	1.813	0.22
A0730	4.134	4.055	2.875	1.625	1.250	0.750	6.625	3.250	2.5	0.25	0.53	2.750	2.313	0.22
A0860	4.606	4.646	3.375	1.875	1.500	1.000	7.875	3.875	3.25	0.31	0.69	3.250	2.750	0.25

SIZE	H	J2	J3	N1	N2	øN3	P1	P2	P3	R	R4	S	T	T1
A0280	2.067	4.00	3.09	1.575	1.26	0.635 0.630	1.89	1.77	1.73	1.99	7.84	3.189	2.09	3.563
A0410	2.303	5.00	3.62	1.969	1.57	0.760 0.755	2.28	2.16	2.16	2.36	9.72	3.976	2.44	4.313
A0510	2.244	5.43	3.94	2.205	1.77	1.010 1.005	2.48	2.40	2.40	2.44	10.47	4.409	2.96	5.250
A0610	2.599	6.38	4.61	2.520	1.97	1.385 1.380	2.84	2.64	2.72	2.64	12.56	5.197	3.39	6.250
A0730	3.189	7.32	5.43	3.031	2.36	1.635 1.630	3.42	3.19	3.31	3.31	14.09	6.024	4.06	7.500
A0860	3.544	8.54	6.14	3.661	2.87	1.885 1.880	4.09	3.82	3.90	3.82	16.34	7.008	4.57	8.625

SIZE	T2	U6	V	V1	V2	W	W1	W2
A0280	2.40	0.20	0.715 0.709	0.707 0.699	0.480 0.472	0.1895 0.1875	0.190 0.188	0.096 0.094
A0410	2.68	0.24	0.843 0.837	0.834 0.826	0.708 0.700	0.1895 0.1875	0.190 0.188	0.190 0.188
A0510	3.39	0.24	1.120 1.114	1.110 1.102	0.708 0.700	0.2520 0.2500	0.252 0.250	0.190 0.188
A0610	3.94	0.31	1.524 1.518	1.238 1.230	0.833 0.825	0.3145 0.3125	0.252 0.250	0.190 0.188
A0730	4.80	0.31	1.802 1.796	1.364 1.356	0.833 0.825	0.3770 0.3750	0.252 0.250	0.190 0.188
A0860	5.20	0.39	2.102 2.096	1.666 1.658	1.110 1.102	0.5020 0.5000	0.377 0.375	0.252 0.250

A	0			0				H	R

STANDARD UNIT WITH END MOUNTED FEET



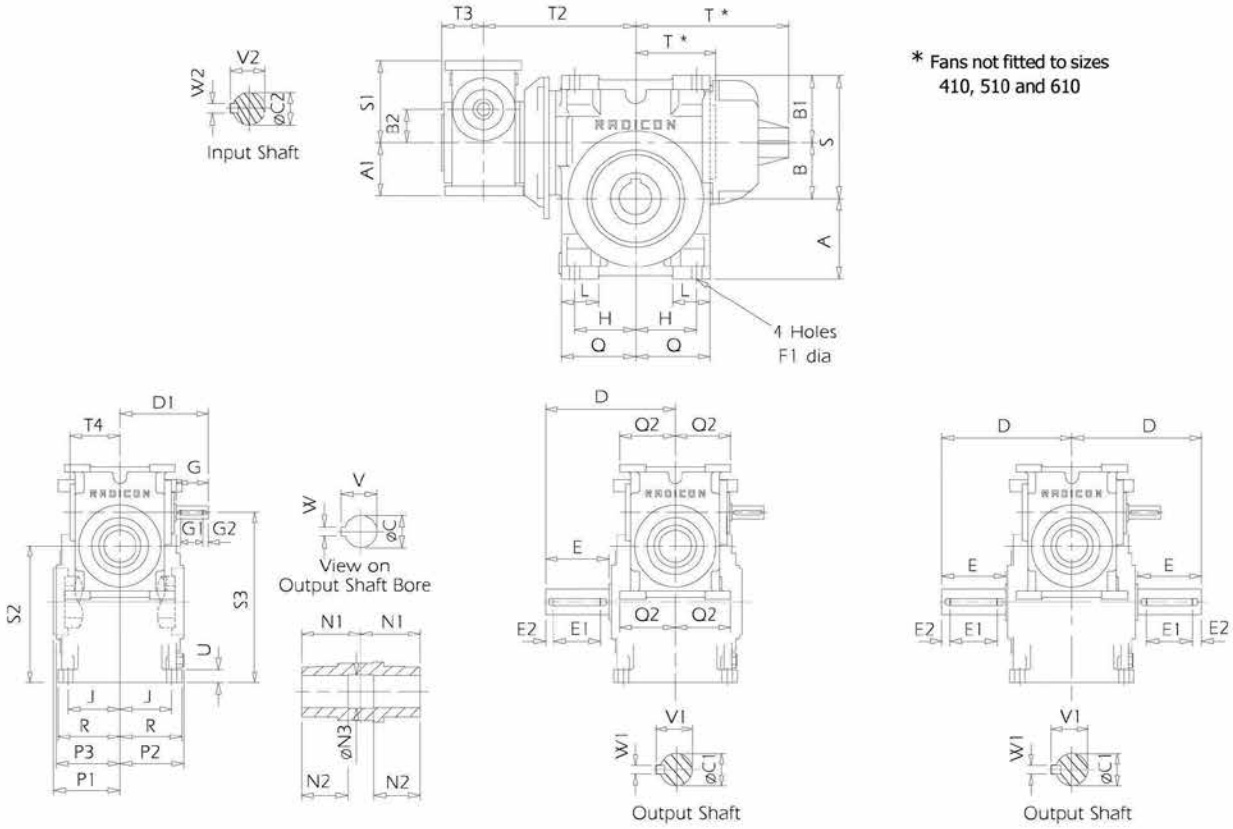
SIZE	A	B	ø C	ø C1	C2	D	E	E1	E2	F1	G	G1	G2	J
A0280	2.283	1.125	0.625	0.625	0.4375	3.125	1.250	0.9375	0.16	0.35	1.125	0.906	0.13	1.635
A0410	2.598	1.625	0.750	0.750	0.625	3.875	1.625	1.3125	0.16	0.45	1.625	1.188	0.22	1.930
A0510	2.913	2.000	1.000	1.000	0.625	4.625	2.125	1.75	0.19	0.45	1.875	1.438	0.22	2.045
A0610	3.425	2.375	1.375	1.125	0.750	5.500	2.625	2.0	0.25	0.45	2.250	1.813	0.22	2.205
A0730	4.134	2.875	1.625	1.250	0.750	6.625	3.250	2.5	0.25	0.53	2.750	2.313	0.22	2.755
A0860	4.606	3.375	1.875	1.500	1.000	7.875	3.875	3.25	0.31	0.69	3.250	2.750	0.25	3.110

SIZE	J2	J3	N1	N2	øN3	P1	P2	P3	R	R4	S	T	T1	T2
A0280	4.00	3.09	1.575	1.26	0.635 0.630	1.89	1.77	1.73	1.99	7.84	3.189	2.09	3.563	2.40
A0410	5.00	3.62	1.969	1.57	0.760 0.755	2.28	2.16	2.16	2.36	9.72	3.976	2.44	4.313	2.68
A0510	5.43	3.94	2.205	1.77	1.010 1.005	2.48	2.40	2.40	2.44	10.47	4.409	2.96	5.250	3.39
A0610	6.38	4.61	2.520	1.97	1.385 1.380	2.84	2.64	2.72	2.64	12.56	5.197	3.39	6.250	3.94
A0730	7.32	5.43	3.031	2.36	1.635 1.630	3.42	3.19	3.31	3.31	14.09	6.024	4.06	7.500	4.80
A0860	8.54	6.14	3.661	2.87	1.885 1.880	4.09	3.82	3.90	3.82	16.34	7.008	4.57	8.625	5.20

SIZE	T4	U6	V	V1	V2	W	W1	W2
A0280	2.874	0.20	0.715 0.709	0.707 0.699	0.480 0.472	0.1895 0.1875	0.190 0.188	0.096 0.094
A0410	3.327	0.24	0.843 0.837	0.834 0.826	0.708 0.700	0.1895 0.1875	0.190 0.188	0.190 0.188
A0510	3.268	0.24	1.120 1.114	1.110 1.102	0.708 0.700	0.2520 0.2500	0.252 0.250	0.190 0.188
A0610	3.780	0.31	1.524 1.518	1.238 1.230	0.833 0.825	0.3145 0.3125	0.252 0.250	0.190 0.188
A0730	4.488	0.31	1.802 1.796	1.364 1.356	0.833 0.825	0.3770 0.3750	0.252 0.250	0.190 0.188
A0860	5.079	0.39	2.102 2.096	1.666 1.658	1.110 1.102	0.5020 0.5000	0.377 0.375	0.252 0.250

A	0			0				W	D

STANDARD UNIT



SIZE	A	A1	B	B1	B2	ø C	ø C1	C2	D	D1	E	E1	E2	F1	F1
A0410	2.598	2.283	1.625	2.350	1.125	0.750	0.750	0.4375	3.875	3.563	1.625	1.3125	0.16	0.45	1.125
A0510	2.913	2.283	2.000	2.409	1.125	1.000	1.000	0.4375	4.625	3.563	2.125	1.75	0.19	0.45	1.125
A0610	3.425	2.598	2.375	2.823	1.625	1.375	1.125	0.625	5.500	4.313	2.625	2.0	0.25	0.45	1.625
A0730	4.134	2.598	2.875	3.150	1.625	1.625	1.250	0.625	6.625	4.313	3.250	2.5	0.25	0.53	1.625
A0860	4.606	2.913	3.375	3.634	2.000	1.875	1.500	0.625	7.875	5.250	3.875	3.25	0.31	0.69	1.875

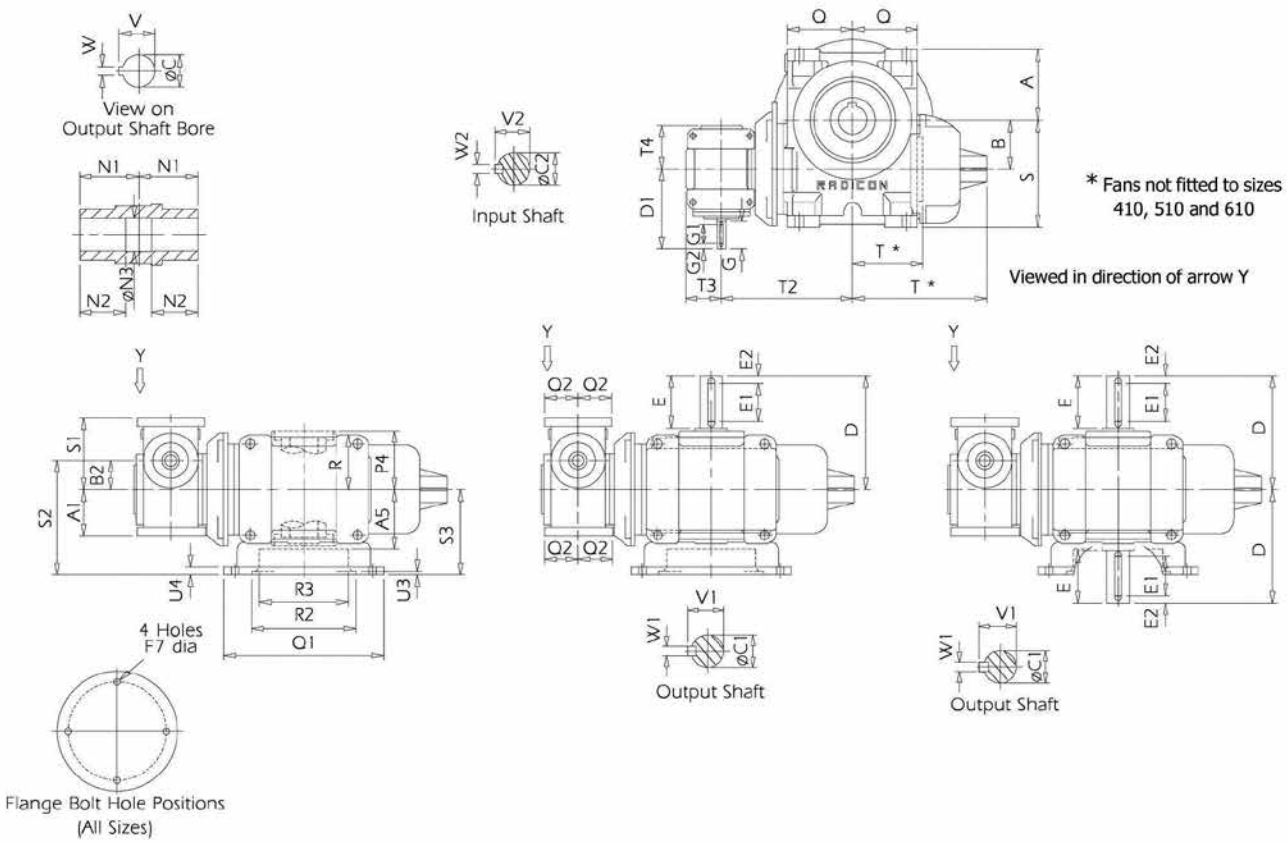
SIZE	G1	G2	H	J	L	N1	N2	øN3	P1	P2	P3	Q	Q2	R	S
A0410	0.906	0.13	2.303	1.930	1.26	1.969	1.57	0.760 0.755	2.28	2.16	2.16	2.72	2.42	2.36	3.976
A0510	0.906	0.13	2.244	2.045	1.38	2.205	1.77	1.010 1.005	2.48	2.40	2.40	2.64	2.42	2.44	4.409
A0610	1.188	0.22	2.599	2.205	1.58	2.520	1.97	1.385 1.380	2.84	2.64	2.72	3.15	2.72	2.64	5.197
A0730	1.188	0.22	3.189	2.755	1.77	3.031	2.36	1.635 1.630	3.42	3.19	3.31	3.74	2.72	3.31	6.024
A0860	1.438	0.22	3.544	3.110	2.16	3.661	2.87	1.885 1.880	4.09	3.82	3.90	4.25	2.64	3.82	7.008

SIZE	S1	S2	S3	T	T2	T3	T4	U	V	V1	V2	W	W1	W2
A0410	3.189	4.223	4.225	2.44	4.961	1.89	2.09	0.39	0.843 0.837	0.834 0.826	0.480 0.472	0.1895 0.1875	0.190 0.188	0.096 0.094
A0510	3.189	4.913	4.914	2.96	5.630	1.89	2.09	0.47	1.120 1.114	1.110 1.102	0.480 0.472	0.2520 0.2500	0.252 0.250	0.096 0.094
A0610	3.976	5.800	5.800	3.39	6.732	2.28	2.44	0.55	1.524 1.518	1.238 1.230	0.708 0.700	0.3145 0.3125	0.252 0.250	0.190 0.188
A0730	3.976	7.009	7.009	7.76	7.559	2.28	2.44	0.63	1.802 1.796	1.364 1.356	0.708 0.700	0.3770 0.3750	0.252 0.250	0.190 0.188
A0860	4.409	7.981	7.980	8.94	8.189	2.48	2.96	0.71	2.102 2.096	1.666 1.658	0.708 0.700	0.5020 0.5000	0.377 0.375	0.190 0.188

AJ

A	0			0				F	D

STANDARD UNIT FLANGE MOUNTED



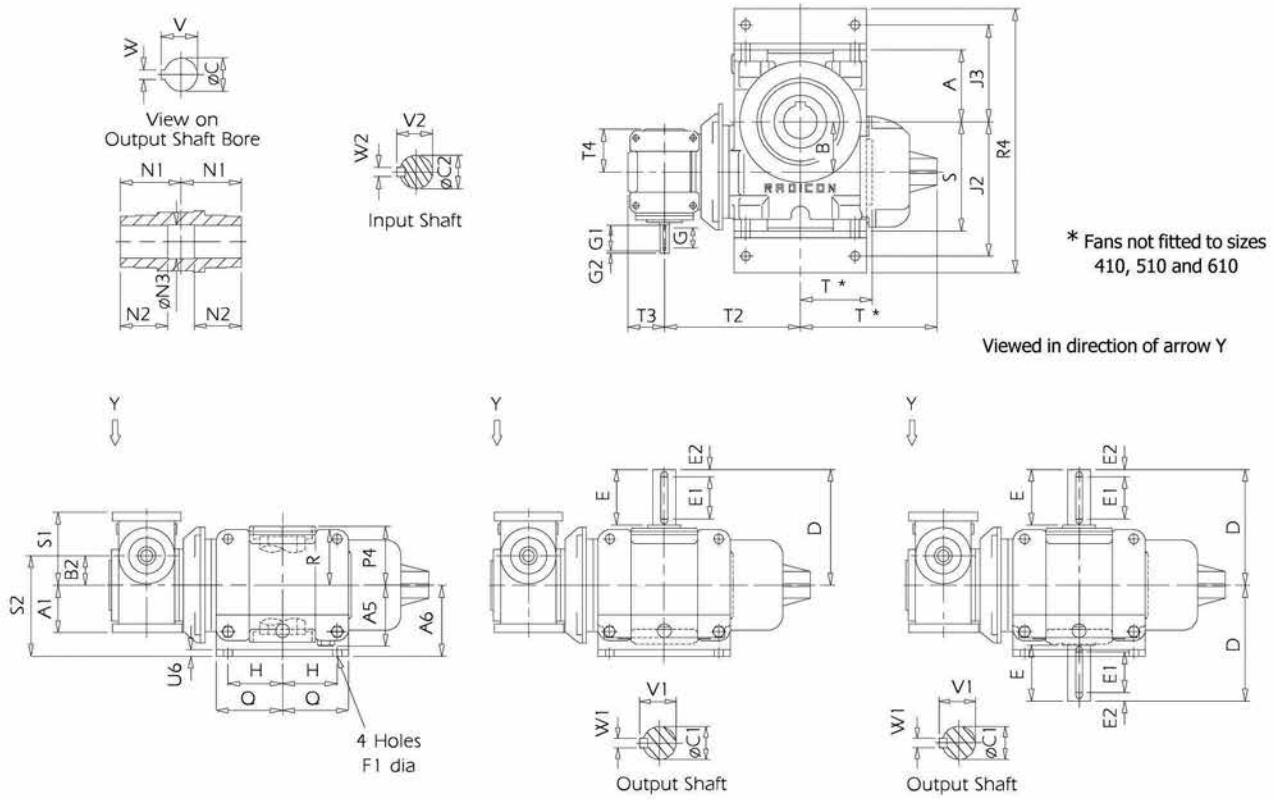
SIZE	A	A1	A5	B	B2	ø C	ø C1	C2	D	D1	E	E1	E2	F7
A0410	2.598	2.283	2.36	1.625	1.125	0.750	0.750	0.4375	3.875	3.563	1.625	1.3125	0.16	ø0.35 on 4.528 pcd
A0510	2.913	2.283	2.56	2.000	1.125	1.000	1.000	0.4375	4.625	3.563	2.125	1.75	0.19	ø0.35 on 5.118 pcd
A0610	3.425	2.598	2.80	2.375	1.625	1.375	1.125	0.625	5.500	4.313	2.625	2.0	0.25	ø0.43 on 6.496 pcd
A0730	4.134	2.598	3.58	2.875	1.625	1.625	1.250	0.625	6.625	4.313	3.250	2.5	0.25	ø0.53 on 8.465 pcd
A0860	4.606	2.913	3.94	3.375	2.000	1.875	1.500	0.625	7.875	5.250	3.875	3.25	0.31	ø0.53 on 8.465 pcd

SIZE	G	G1	G2	N1	N2	øN3	P4	Q	Q1	Q2	R2	R3	S	S1	S2
A0410	1.125	0.906	0.13	1.969	1.57	0.760 0.755	2.16	2.72	5.51	2.72	3.7415 3.7402	2.84	3.976	3.189	4.276
A0510	1.125	0.906	0.13	2.205	1.77	1.010 1.005	2.40	2.64	6.30	2.64	4.3321 4.3307	3.46	4.409	3.189	4.669
A0610	1.625	1.188	0.22	2.520	1.97	1.385 1.380	2.64	3.15	7.87	3.15	5.1197 5.1181	4.33	5.197	3.976	5.760
A0730	1.625	1.188	0.22	3.031	2.36	1.635 1.630	3.19	3.74	9.84	3.74	7.0882 7.0866	5.35	6.024	3.976	6.350
A0860	1.875	1.438	0.22	3.661	2.87	1.885 1.880	3.82	4.25	9.84	4.25	7.0882 7.0866	5.91	7.008	4.409	7.197

SIZE	S3	T	T2	T3	T4	U3	U4	V	V1	V2	W	W1	W2
A0410	3.150	2.44	4.961	1.89	2.09	0.14	0.31	0.843 0.837	0.834 0.826	0.480 0.472	0.1895 0.1875	0.190 0.188	0.096 0.094
A0510	3.543	2.96	5.630	1.89	2.09	0.16	0.35	1.120 1.114	1.110 1.102	0.480 0.472	0.2520 0.2500	0.252 0.250	0.096 0.094
A0610	4.134	3.39	6.732	2.28	2.44	0.18	0.39	1.524 1.518	1.238 1.230	0.708 0.700	0.3145 0.3125	0.252 0.250	0.190 0.188
A0730	4.724	7.76	7.559	2.28	2.44	0.20	0.47	1.802 1.796	1.364 1.356	0.708 0.700	0.3770 0.3750	0.252 0.250	0.190 0.188
A0860	5.197	8.94	8.189	2.48	2.96	0.20	0.47	2.102 2.096	1.666 1.658	0.708 0.700	0.5020 0.5000	0.377 0.375	0.190 0.188

A	0			0				G	D

STANDARD UNIT WITH SIDE MOUNTED FEET

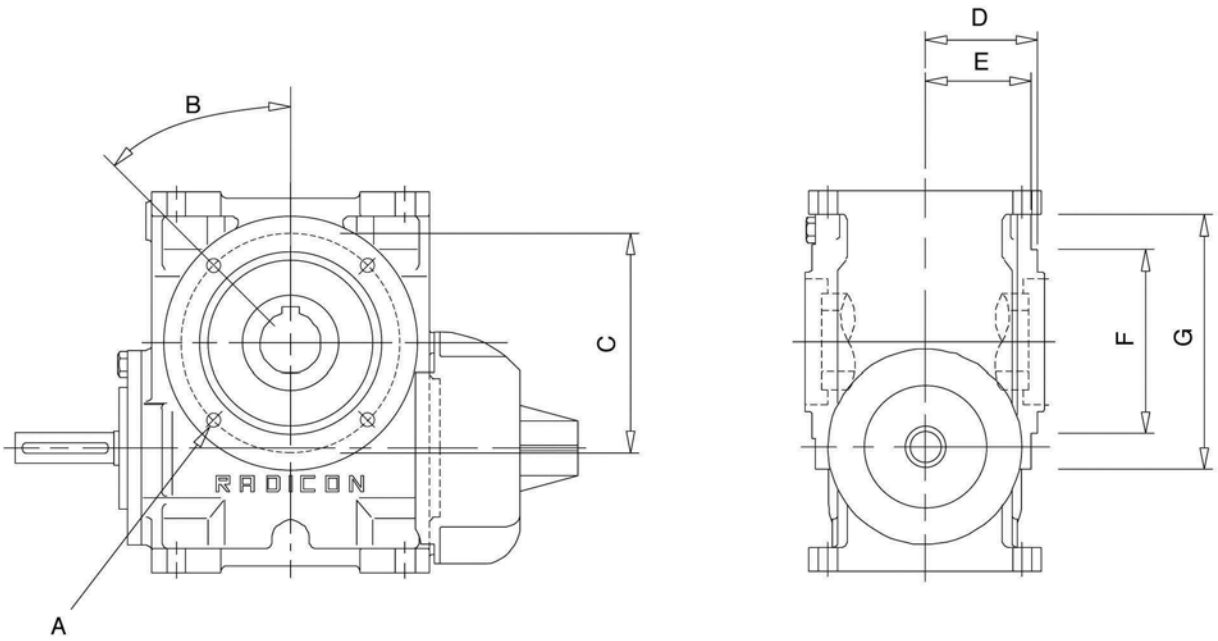


SIZE	A	A1	A5	A6	B	B2	ø C	ø C1	C2	D	D1	E	E1	E2	F1
A0410	2.598	2.283	2.16	2.953	1.625	1.125	0.750	0.750	0.4375	3.875	3.563	1.625	1.3125	0.16	0.45
A0510	2.913	2.283	2.40	3.071	2.000	1.125	1.000	1.000	0.4375	4.625	3.563	2.125	1.75	0.19	0.45
A0610	3.425	2.598	2.64	3.386	2.375	1.625	1.375	1.125	0.625	5.500	4.313	2.625	2.0	0.25	0.45
A0730	4.134	2.598	3.19	4.055	2.875	1.625	1.625	1.250	0.625	6.625	4.313	3.250	2.5	0.25	0.53
A0860	4.606	2.913	3.82	4.646	3.375	2.000	1.875	1.500	0.625	7.875	5.250	3.875	3.25	0.31	0.69

SIZE	G	G1	G2	H	J2	J3	N1	N2	øN3	P4	Q	R	S	S1	S2
A0410	1.125	0.906	0.13	2.303	5.00	3.62	1.969	1.57	0.760 0.755	2.16	2.72	2.36	3.976	3.189	4.079
A0510	1.125	0.906	0.13	2.244	5.43	3.94	2.205	1.77	1.010 1.005	2.40	2.64	2.44	4.409	3.189	4.197
A0610	1.625	1.188	0.22	2.599	6.38	4.61	2.520	1.97	1.385 1.380	2.72	3.15	2.64	5.197	3.976	5.012
A0730	1.625	1.188	0.22	3.189	7.32	5.43	3.031	2.36	1.635 1.630	3.31	3.74	3.31	6.024	3.976	5.681
A0860	1.875	1.438	0.22	3.544	8.54	6.14	3.661	2.87	1.885 1.880	3.90	4.25	3.82	7.008	4.409	6.646

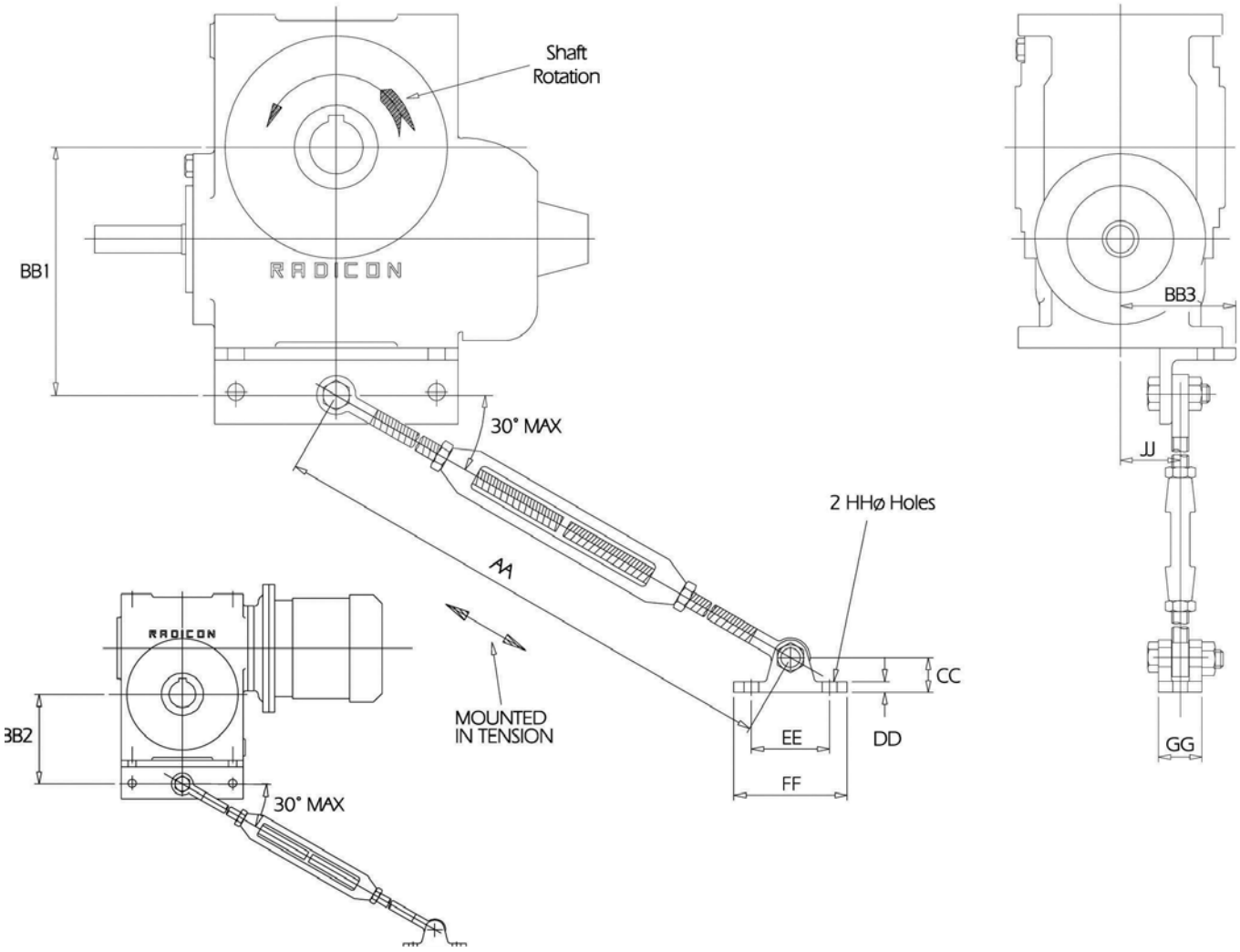
SIZE	T	T2	T3	T4	U6	V	V1	V2	W	W1	W2
A0410	2.44	4.961	1.89	2.09	0.24	0.843 0.837	0.834 0.826	0.480 0.472	0.1895 0.1875	0.190 0.188	0.096 0.094
A0510	2.96	5.630	1.89	2.09	0.24	1.120 1.114	1.110 1.102	0.480 0.472	0.2520 0.2500	0.252 0.250	0.096 0.094
A0610	3.39	6.732	2.28	2.44	0.31	1.524 1.518	1.238 1.230	0.708 0.700	0.3145 0.3125	0.252 0.250	0.190 0.188
A0730	7.76	7.559	2.28	2.44	0.31	1.802 1.796	1.364 1.356	0.708 0.700	0.3770 0.3750	0.252 0.250	0.190 0.188
A0860	8.94	8.189	2.48	2.96	0.39	2.102 2.096	1.666 1.658	0.708 0.700	0.5020 0.5000	0.377 0.375	0.190 0.188

AJ



UNIT SIZE	A	B	C	D	E	F	G
A0280	4 Holes equally spaced M6 x 0.35 Deep	45°	2.87 PCD	1.73	1.61	2.0862 2.0854	3.35
A0410	4 Holes equally spaced M6 x 0.47 Deep	45°	3.50 PCD	2.17	2.01	2.7555 2.7547	3.98
A0510	4 Holes equally spaced M8 x 0.55 Deep	45°	4.21 PCD	2.32	2.17	3.3461 3.3453	4.80
A0610	8 Holes equally spaced M8 x 0.55 Deep	22.5°	5.12 PCD	2.56	2.40	4.1335 4.1327	5.75
A0730	8 Holes equally spaced M10 x 0.71 Deep	22.5°	6.10 PCD	3.11	2.91	4.9209 4.9201	6.89
A0860	8 Holes equally spaced M10 x 0.71 Deep	22.5°	6.93 PCD	3.74	3.54	5.7083 5.7075	7.72

This option is available in Additional Features - Column 20



	UNIT SIZE					
	A0280	A0410	A0510	A0610	A0730	A0860
B B 1	3.94	4.96	5.39	6.42	7.24	8.46
B B 2	3.03	3.58	3.90	4.65	5.35	6.06
B B 3	2.00	2.48	2.60	2.99	3.43	3.94
A A	14.0 - 20.0	14.0 - 20.0	19.0 - 25.0	19.0 - 25.0	19.0 - 25.0	24.0 - 29.5
C C	0.8125	0.8125	1.00	1.00	1.00	1.1875
D D	0.25	0.25	0.3125	0.3125	0.3125	0.375
E E	2.00	2.00	2.25	2.25	2.25	2.75
F F	2.75	2.75	3.25	3.25	3.25	4.00
G G	1.00	1.00	1.25	1.25	1.25	1.50
H H	0.35	0.35	0.43	0.43	0.43	0.56
J J	1.22	1.34	1.50	1.57	2.01	2.28

The torque arm should be fitted on that side of the gear unit which is adjacent to the driven machine.

The angle between the torque arm and the high speed shaft MUST NOT EXCEED 30°. The torque arm must be posi- tioned so that it is loaded IN TENSION. ie in the direction of TORQUE REACTION, which is opposite to the direction of shaft rotation, as shown above.

For reversing applications two torque arms must be fitted in opposite mounting positions.

Gear units must be locked axially when mounted in position, and supported by the low speed sleeve for a minimum of 90% of the bore length.

SINGLE REDUCTION

COLUMN 10 ENTRY		UNIT SIZE					
		A0280	A0410	A0510	A0610	A0730	A0860
R	Unit Weight	9.9	16.3	24.7	35.3	63.9	99.2
	Weight Packed	13.2	19.8	29.1	41.9	75.0	116.8
	Volume Packed (ft^3)	0.5	0.5	1.0	1.0	2.3	3.0
G	Unit Weight	15.4	24.9	33.7	48.5	77.2	119.0
	Weight Packed	19.8	28.7	39.7	57.3	92.6	141.1
	Volume Packed (ft^3)	0.6	0.6	1.1	1.1	2.4	3.6

DOUBLE REDUCTION

COLUMN 10 ENTRY		UNIT SIZE				
		A0410	A0510	A0610	A0730	A0860
D	Unit Weight	27.6	36.4	55.1	83.8	130.1
	Weight Packed	34.2	40.8	61.7	94.8	143.3
	Volume Packed (ft^3)	1.0	1.5	1.5	2.8	3.8
H	Unit Weight	34.2	41.9	63.9	92.6	138.9
	Weight Packed	41.9	48.5	81.6	108.0	154.3
	Volume Packed (ft^3)	1.2	1.6	1.6	2.9	4.2

AJ

ALL WEIGHTS IN lb ALL WEIGHTS INCLUDE LUBRICANT

COLUMN 10 ENTRY
- R - REDUCER UNIT - SINGLE REDUCTION
- G - UNIT TO ALLOW FITTING OF A NON DB RADICON MOTOR - SINGLE REDUCTION
- D - REDUCER UNIT - DOUBLE REDUCTION
- H - UNIT TO ALLOW FITTING OF A NON DB RADICON MOTOR - DOUBLE REDUCTION

G AND H TYPE UNIT WEIGHTS AND VOLUMES DO NOT INCLUDE MOTORS

MAXIMUM STANDARD MOTOR FLANGES HAVE BEEN INCLUDED IN WEIGHTS AND VOLUMES

MOMENTS OF INERTIA (lb.in^2) Referred to Input Shaft

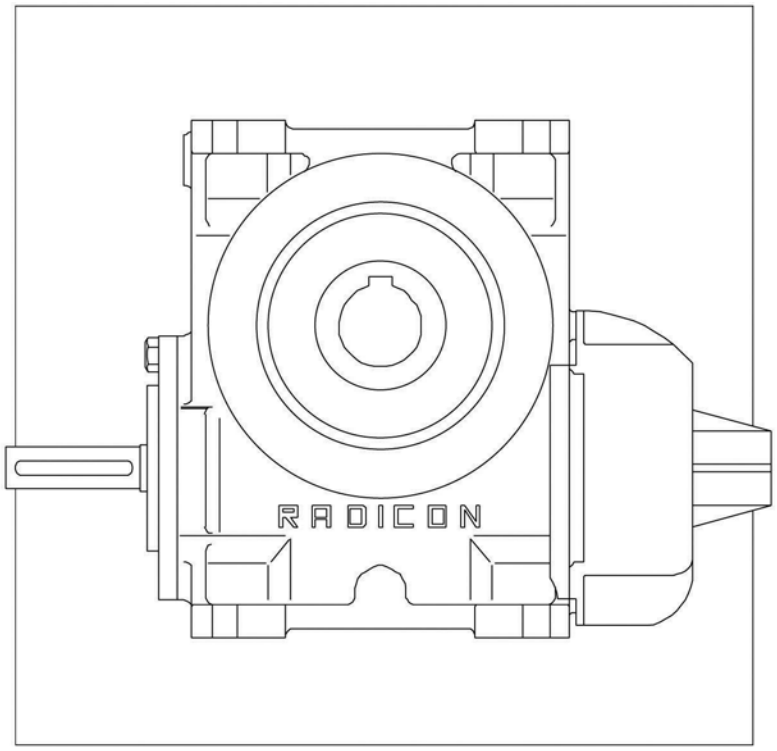
SINGLE REDUCTION

RATIO	A0280	A0410	A0510	A0610	A0730	A0860
5.00	0.02	0.14	0.40	0.85	1.96	4.66
7.50	0.02	0.10	0.23	0.48	1.21	2.67
10.00	0.01	0.08	0.17	0.33	0.78	1.97
12.50	0.01	0.07	0.14	0.27	0.74	1.44
15.00	0.01	0.07	0.11	0.22	0.63	1.47
20.00	0.02	0.05	0.14	0.26	0.48	1.11
25.00	0.01	0.06	0.12	0.22	0.64	1.45
30.00	0.01	0.06	0.09	0.18	0.49	1.18
40.00	0.01	0.05	0.07	0.14	0.40	1.01
50.00	0.01	0.04	0.07	0.12	0.36	0.88
60.00	0.01	0.05	0.06	0.10	0.35	0.82
70.00	0.01	0.04	0.05	0.10	0.35	0.83

DOUBLE REDUCTION

RATIO	A0410	A0510	A0610	A0730	A0860
75.00	0.01	0.01	0.07	0.08	0.14
100.00	0.01	0.01	0.07	0.07	0.12
125.00	0.01	0.01	0.07	0.08	0.14
150.00	0.01	0.01	0.06	0.06	0.12
200.00	0.01	0.01	0.06	0.06	0.11
225.00	0.01	0.01	0.06	0.06	0.08
250.00	0.01	0.01	0.06	0.06	0.12
300.00	0.01	0.01	0.05	0.05	0.13
350.00	0.01	0.01	0.06	0.06	0.11
375.00	0.01	0.01	0.06	0.07	0.08
400.00	0.01	0.01	0.05	0.05	0.13
450.00	0.01	0.01	0.06	0.06	0.08
500.00	0.01	0.01	0.05	0.05	0.13
600.00	0.01	0.01	0.05	0.05	0.13
625.0	0.01	0.01	0.06	0.06	0.11
700.00	0.01	0.01	0.04	0.04	0.05
750.00	0.01	0.01	0.06	0.06	0.11
800.00	0.01	0.01	0.05	0.05	0.07
900.00	0.01	0.01	0.05	0.05	0.09
1000.00	0.01	0.01	0.05	0.05	0.07
1200.00	0.01	0.01	0.05	0.05	0.07
1250.00	0.01	0.01	0.04	0.04	0.06
1400.00	0.01	0.01	0.04	0.04	0.05
1500.00	0.01	0.01	0.04	0.04	0.06
1600.00	0.01	0.01	0.05	0.05	0.07
1750.00	0.01	0.01	0.04	0.04	0.05
1800.00	0.01	0.01	0.04	0.04	0.06
2000.00	0.01	0.01	0.04	0.04	0.06
2100.00	0.01	0.01	0.04	0.04	0.05
2400.00	0.01	0.01	0.04	0.04	0.06
2500.00	0.01	0.01	0.04	0.04	0.06
2800.00	0.01	0.01	0.04	0.04	0.05
3000.00	0.01	0.01	0.04	0.04	0.06
3500.00	0.01	0.01	0.04	0.04	0.05
3600.00	0.01	0.01	0.04	0.04	0.06
4200.00	0.01	0.01	0.04	0.04	0.05

GD^2 (lb.in^2) = 4 x Moment of Inertia (lb.in^2)



INSTALLATION & MAINTENANCE

1 GENERAL INFORMATION

The following instructions will help you achieve a satisfactory installation of your worm gearbox Series A unit, ensuring the best possible conditions for a long and trouble free operation.

All units are tested and checked prior to despatch, a great deal of care is taken in packing and shipping arrangements to ensure that the unit arrives at the customer in the approved condition.

Series A gear units will perform satisfactorily if subjected to full load immediately after installation. However, optimum performance is best achieved by a process of gradual load increments, up to the full value, over the first 50 hours or so of their working life. During these early stages of running, sensible precautions should be taken to avoid overloads.

The gear unit operating temperature may be higher during this period of run-in. A progressive reduction in temperature may occur over many hours until the unit has reached its highest efficiency.

2 FITTING OF COMPONENTS TO EITHER THE UNIT INPUT OR OUTPUT SHAFT

Shaft dimensions are held to limits of +0.0000" -0.0005".

- Items (such as gears, sprockets, couplings etc) should not be hammered onto these shafts since this would damage the shaft support bearings.
- The item should be pushed onto the shaft using a screw jack device fitted into the threaded hole provided in the end of the shaft.
- Items being fitted may be heated to 80/100oC (176/212oF) to aid assembly further.

3 WEATHER PROTECTION OF UNIT

All Series A units are provided with protection against normal weather conditions. Where units are to operate in extreme conditions, or where they are to stand for long periods without running, eg during plant construction, we should be notified when ordering so that arrangements for adequate protection can be made.

4 INSTALLATION

4.1 MOTORIZED AND REDUCERS

All sizes are factory filled with a Polyglycol based synthetic lubricant. They are 'Lubricated for Life' and require no routine maintenance in service

4.2 FIXING TO CUSTOMER EQUIPMENT

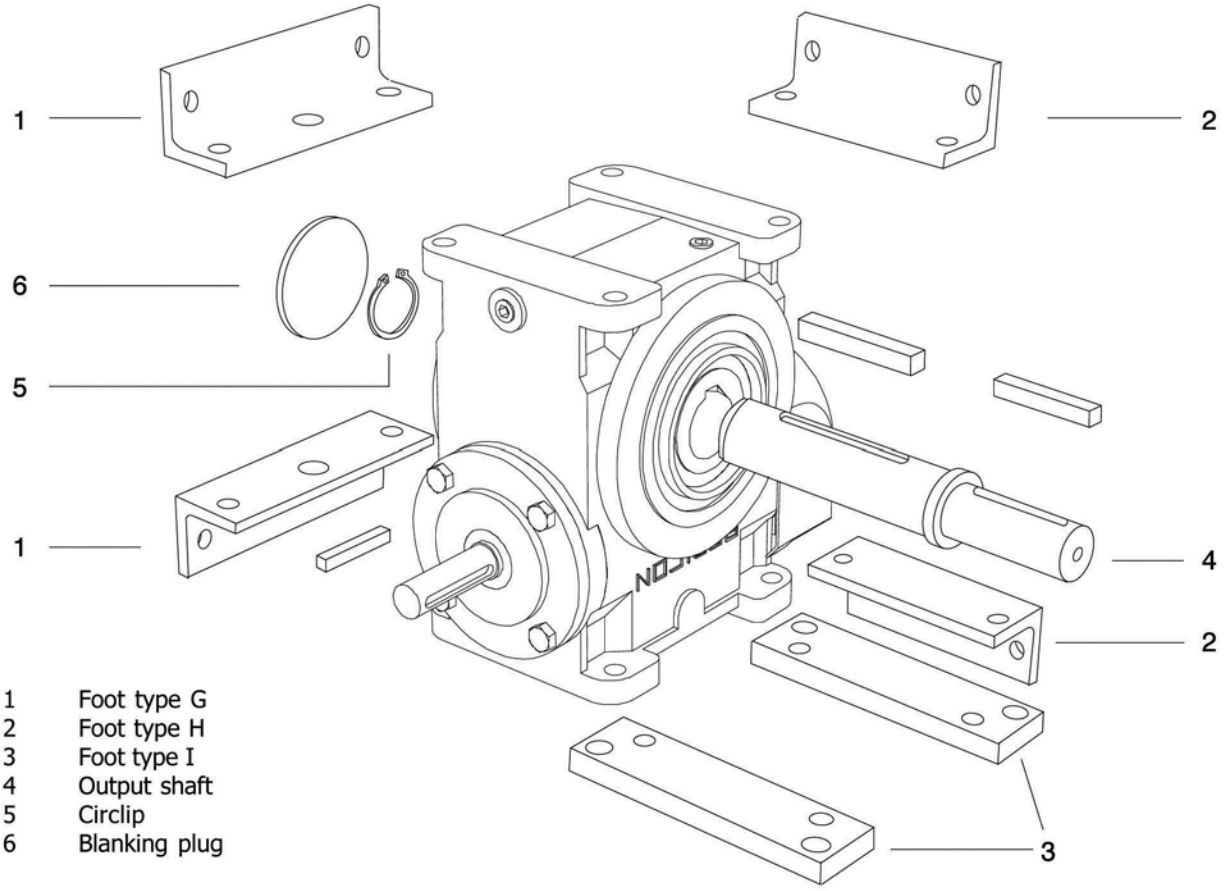
Fixing the Gear Head flange facing or feet to the customer equipment use set screws to ISO grade 8.8 minimum.

Torque tighten to:-

Set Screw Size	Tightening Torque	Tightening Torque
M6	88 lb-ins	7.3 lb-ft
M8	220 lb-ins	18.3 lb-ft
M10	450 lb-ins	37.5 lb-ft
M12	750 lb-ins	62.5 lb-ft
M16	1770 lb-ins	147.5 lb-ft
M20	3100 lb-ins	258.3 lb-ft
M24	5400 lb-ins	450.0 lb-ft

4.3 MOTOR CONNECTIONS TO MAINS

Connection of the electric motor to the mains supply should be made by a qualified person. The current rating of the motor will be identified on the motor plate, and correct sizing of the cables to electrical regulations is essential.



1 Foot type G
2 Foot type H
3 Foot type I
4 Output shaft
5 Circlip
6 Blanking plug

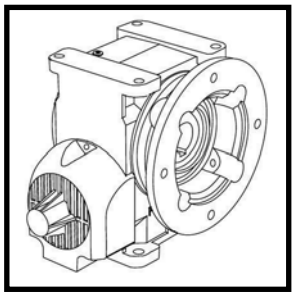
FEET ASSEMBLY (TYPES G, H, I)

1 Clean shaft extension with petroleum spirit
2 Remove paint from locating faces on gearcase with scraper and petroleum spirit
3 Secure feet (item 1, 2 or 3) to gear case with nuts and bolts provided to thumb tightness, in required operating position
4 Ensure foot pads are correctly seated
5 Secure to foundations with bolts to thumb tightness and line up unit
6 Tighten feet bolts to unit
7 Check shaft alignment (see page 77) and tighten down bolts. Series A units are provided with intergral feet for mounting in the overdriven and underdriven positions. Feet type I are available to provide exact interchangeability with previous well established Radicon adaptable Series 9 range.

OUTPUT SHAFT ASSEMBLY

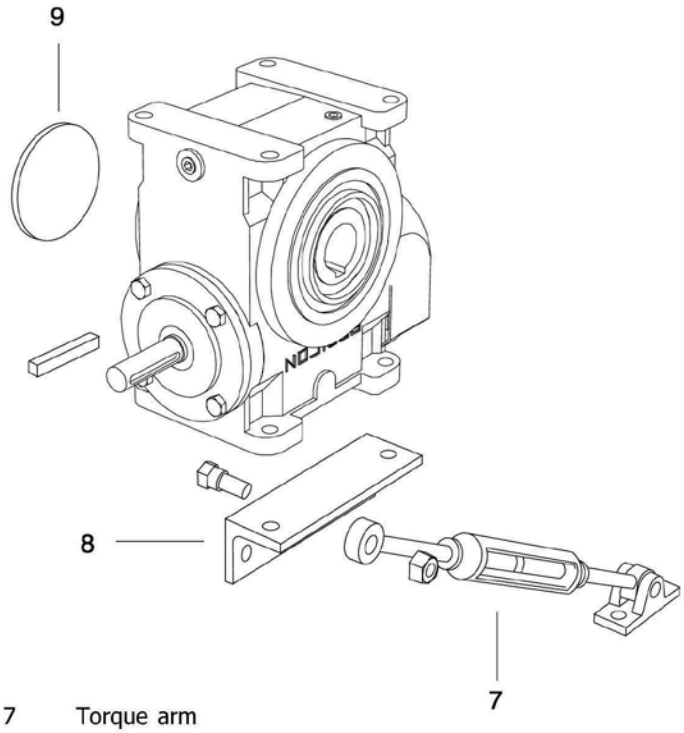
1 Clean outputshaft (item 4) and bore in gear unit with petroleum spirit
2 Fit keys into output shaft, ensuring they are firmly seated
3 Press shaft into gear unit bore to give desired shaft handling (Left or Right), until firmly up against shaft shoulder
4 Fit circlip (item 5) into groove in shaft on opposite side to extension
5 Tap blanking plug (item 6) into recess in gear case/end cover

NOTE: For reversing drives where end float is critical, it may be necessary to fit shims behind the circlip fixing. These are available on request from application engineering.

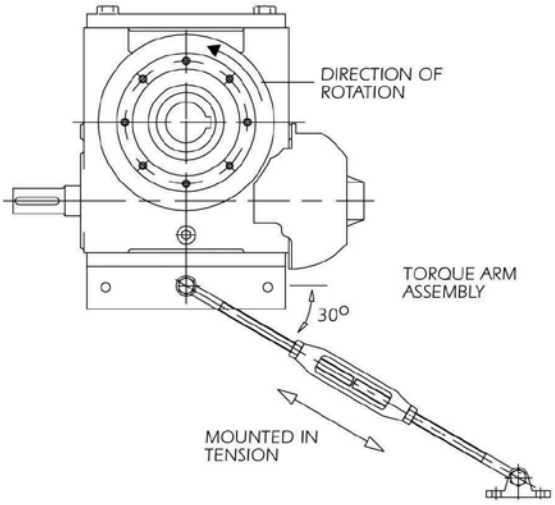


FLANGE MOUNT UNIT (VERSION F)

1 Series A units are also available with circular output flanges located to the output shaft cover with extended bolts. These are normally factory fitted
2 The output flange is provided with a female spigot recess facilitating accurate location and concentricity with clients driven shaft
3 Flange to foundation fixing is by means of stud and nut, alternatively bolt and nut, entered from the side of the driven machinery
4 Ensure facing of flange is thoroughly cleaned prior to mounting



7 Torque arm
8 Torque arm bracket
9 Blanking plug



SHAFT MOUNT UNITS

1 Clean input shaft extension and output bore with petroleum spirit
2 Fit torque arm assembly (item 7) on side of unit nearest to driven machine. Torque arm must be secured to the central hole in the torque arm bracket (item 8) fitted to the gear unit. Angle of torque arm to input shaft centre line must not exceed 30°, and should be mounted in tension (see diagram above).

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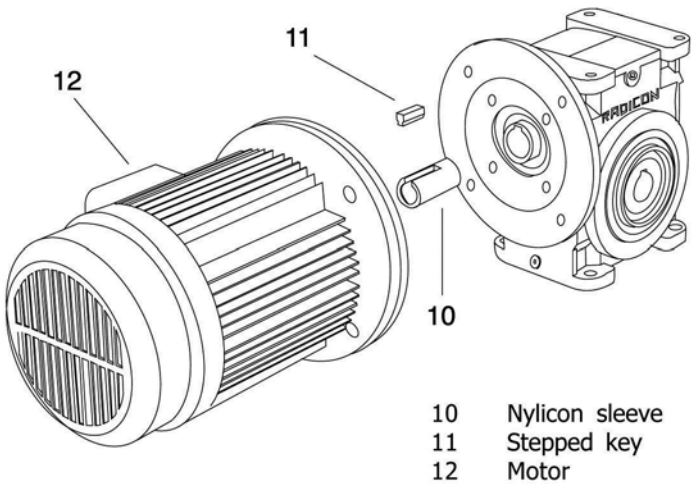


10 Nylicon sleeve
11 Stepped key
12 Motor

MOTOR FRAME / BUSH COMBINATIONS

Motor Frame	UNIT SIZE					
	280	410	510	610	730	860
D63	11mm					
D71	*	14mm				
D80		*	19mm	19mm	19mm	
D90			*	24mm	24mm	24mm
D100/112				*	*	28mm
D132						*
* No bush required - motor fits direct into gearbox						

MOTORIZED UNITS

1 Motorized units are available with a variety of flange adaptors and bushing to accommodate different motor sizes. The table below details the frame size/bush combinations.
2 The motor flange is normally factory fitted, and is spigot located to the input shaft cover with extended bolts.
3 Clean locating faces of motor, gear unit, and motor shaft with petroleum spirit, discard standard motor shaft key
4 Where applicable, slide nylon sleeve (item 10) over motor shaft and line up keyway slot
5 Fit stepped key provided (item 11) into motor shaft and bush, ensuring it is firmly seated
6 The surface of the wormshaft bore is pre-treated with an anti-fretting agent, which must not be removed
7 Slide motor shaft into wormshaft bore, locating motor (item 12) and unit flanges
8 Rotate motor until terminal box is in desired position. Secure motor to unit using four flange bolts provided. Ensure bolts are tightened uniformly to prevent flange distortion
9 Check motor wiring for correct direction of rotation

Radicon Series A Junior units are factory filled with a Polyglycol based synthetic lubricant. They are "Lubricated for Life" and require no routine maintenance in service.

In the event of a major overhaul involving strip-down and re-assembly of the gear unit refer to Table 1 for a list of approved lubricants. Lubricant quantities are given in Tables 2 and 3.

Table 1 Approved Lubricants

Type G Polyglycol based synthetic lubricants with Anti-Wear or EP additives

These lubricants are suitable for ambient temperatures of 32°F to 104°F (0°C to 40°C); outside of this, please consult application engineering.

SUPPLIER	LUBRICANT RANGE	GRADE 6G
		OIL SUPPLIERS' CORRESPONDING DESIGNATIONS
Boxer Services Limited	Boxergear W	Boxergear W
Carl Bechem GmbH	Berusynth EP	Berusynth EP
Castrol International	Alphasyn PG	Alphasyn PG
Esso/Exxon	Glycolube	Glycolube
Fuchs Mineraloelwerke GmbH	Renolin PG	Renolin PG
International Speciality Chemicals	Breox Industrial Lubricant Sw	Breox Industrial Lubricant Sw
Klüber Lubrication	Klübersynth GH6	Klübersynth GH6
Kuwait Petroleum International	Q8 Gade	Q8 Gade
Mobil Oil Company Limited	Glygoyle	Glygoyle
Shell Oils	Tivela	Tivela
Texaco Limited	Synlube CLP	Synlube CLP
Tribol, Molub-Alloy	Tribol 800	Tribol 800

DANGER
Numbers in brackets indicate recommended minimum operating temperature in °F.

The unit must not run below this temperature

AJ

CONVERSION TABLE
Litres to US gallons = litres x 0.26
Litres to Imperial gallons = litres x 0.22

Table 1 Lubricant Quantities (Litres)

Applicable for all mounting positions:-

MOTORIZED or REDUCER	UNIT SIZE					
	A0280	A0410	A0510	A0610	A0730	A0860
Oil Capacity (Litres)	0.24	0.38	0.56	1.00	2.02	3.10

Table 3 Lubricant Quantities (Litres)

For units running at input speeds below 500 rev/min with either the input or output shaft vertical, also for the secondary stage of all double reduction units irrespective of shaft disposition, the oil quantities in Table 3 below are applicable:-

MOTORIZED or REDUCER	UNIT SIZE					
	A0280	A0410	A0510	A0610	A0730	A0860
Oil Capacity (Litres)	0.31	0.48	0.74	1.28	2.62	3.94

Double Reduction Units - obtain secondary stage lubricant quantity from table 3 and primary stage quantity from table 2

MOTORIZED or REDUCER	DOUBLE REDUCTION UNIT SIZE					
	A0280	A0410	A0510	A0610	A0730	A0860
Secondary stage	-	A0410	A0510	A0610	A0730	A0860
Primary stage	-	A0280	A0280	A0410	A0410	A0510

GENERAL INSTRUCTIONS
SHAFT ALIGNMENT Coupling Connections

Angular Errors
1 Take up end float pushing in shaft ends.
2 Using thickness and feeler gauges, take readings in positions 1, 2, 3 and 4 (Fig2).
3 Adjust unit by shimming under feet.

Fig 1

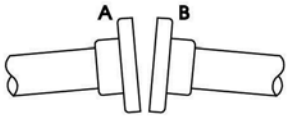
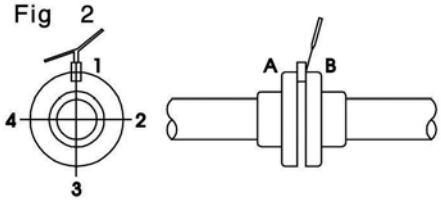


Fig 2



Eccentric Errors
1 Place straight edge across coupling halves at points 1, 2, 3 and 4 (Fig 4). If coupling diameters are nor equal, use feeler gauge equal to half the difference in diameters.
2 if error is in vertical plane, adjust height of unit. If error is in horizontal plane, move unit transversally.

Fig 3

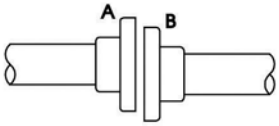
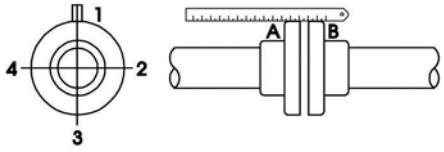


Fig 4



CHAIN AND BELT DRIVES
Mount sprockets or pulleys as close to the gear unit as possible to avoid undue bearing loads and shaft deflection see Fig 5. Chains and belts should be sufficiently light as to prevent slip OVER TIGHTENING CAN CAUSE DAMAGE TO THE UNIT. Consult manufactures' recommendations.
Check that driving and driven shafts are square and parallel using straight edge as in Fig 6.
Check horizontal shaft alignment using combined square and level as in Fig 7.

Fig 5

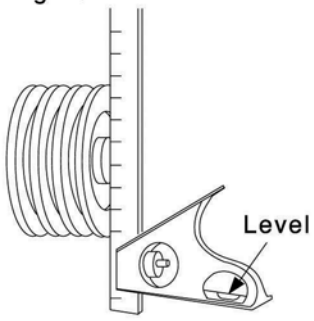


Fig 6

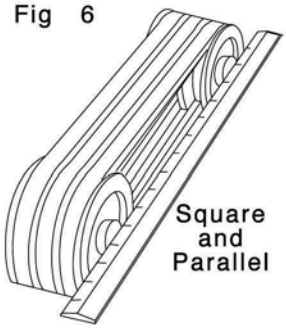
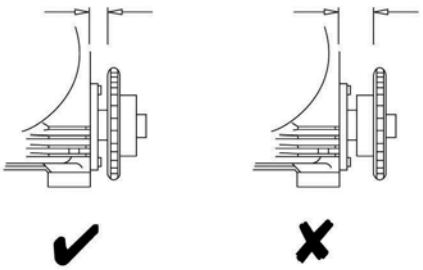


Fig 7



FIT GUARDS IN ACCORDANCE WITH FACTORY ACTS

If a unit is to be subject to long term storage refer to application engineering.

WARNING
The customer shall be responsible for the proper use of articles we supply, particularly the rotating shafts between their driving and driven members, and their guarding for safety. We shall not be responsible for any injury or damage substained as a result of the improper use of the articles supplied.

Attention is hereby drawn to the danger of using naked lights in proximity of opening in gearboxes and gear units supplied we supply, and the company shall not be liable for any claim for injury or damage arising from any action in contradiction of this warning.

GENERAL SAFETY

Potential hazards which can be encountered during installation, maintenance and operation of drives is covered in greater detail in the product safety page at the front of this booklet.

Advice is also given on sensible precautions which need to be taken to avoid injury or damage. **PLEASE READ!**

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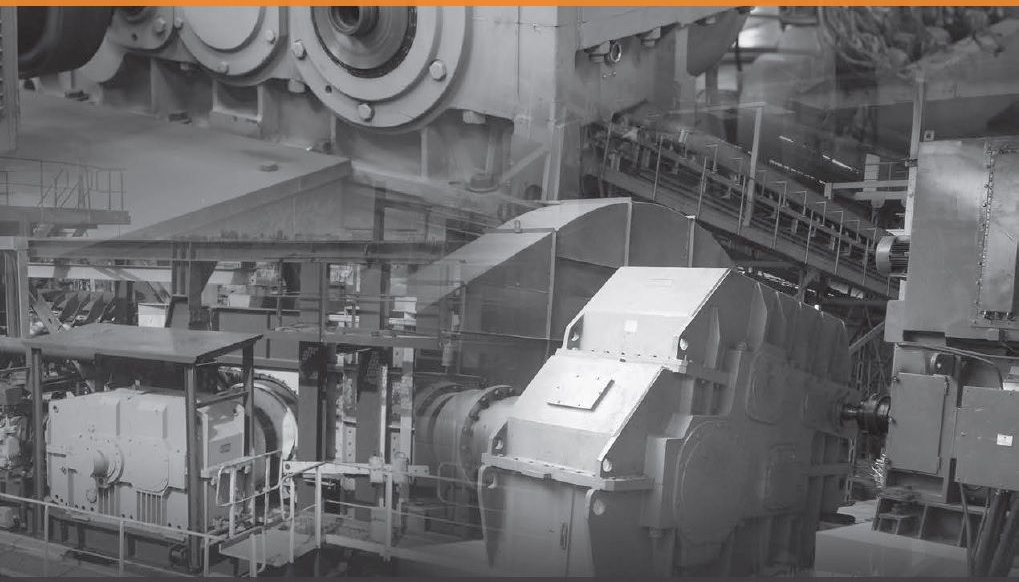

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