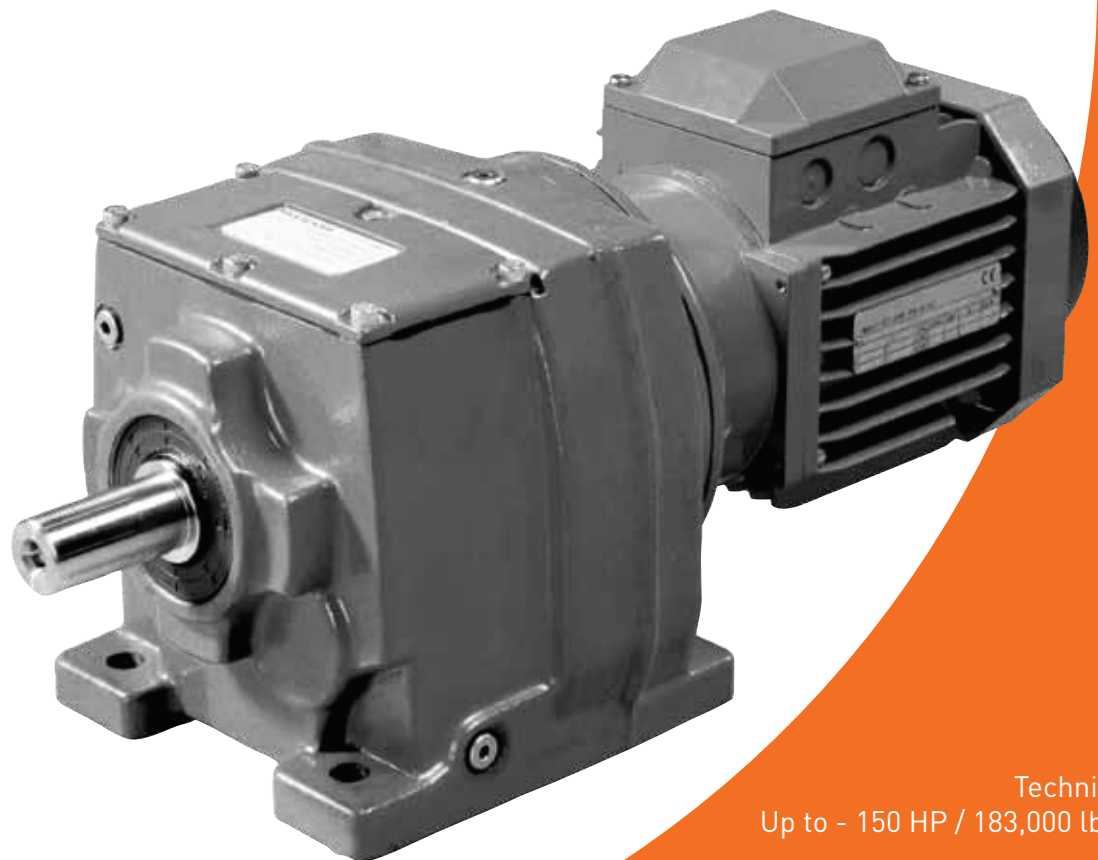


# radicon



An Elecon Group Company

Series M Helical In-Line

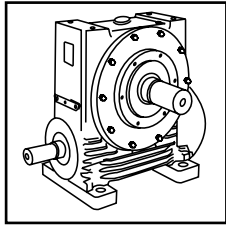


Technical  
Up to - 150 HP / 183,000 lb.in

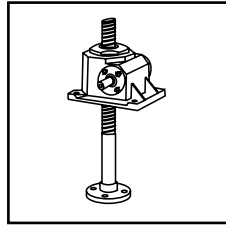
Geared Motors  
CM-3.01US0618

# PRODUCTS IN THE RANGE

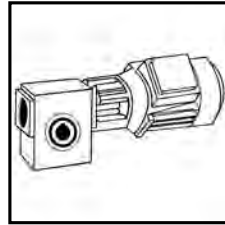
Serving an entire spectrum of mechanical drive applications from food, energy, mining and metal; to automotive, aerospace and marine propulsion, we are here to make a positive difference to the supply of drive solutions.



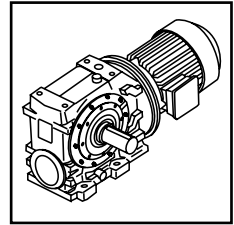
**Series A**  
Worm Gear units  
and geared motors  
in single & double  
reduction types



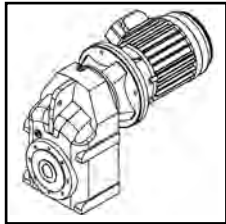
**Series BD**  
Screwjack worm  
gear unit



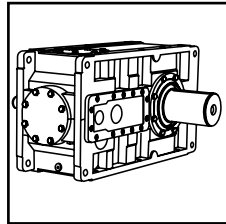
**Series BS**  
Worm gear unit



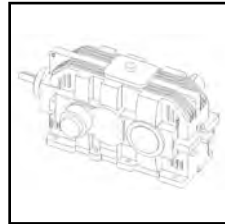
**Series C**  
Right angle drive  
helical worm geared  
motors & reducers



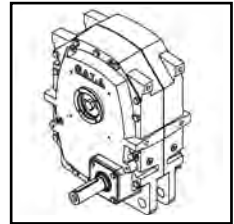
**Series F**  
Parallel angle helical  
bevel helical geared  
motors & reducers



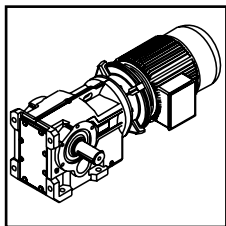
**Series G**  
Helical parallel shaft  
& bevel helical right  
angle drive gear  
units



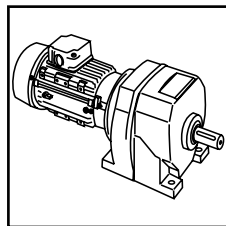
**Series E**  
Large helical parallel  
shaft & bevel helical  
right angle drive units



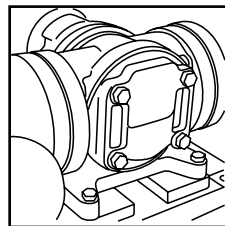
**Series J**  
Shaft mounted  
helical speed  
reducers



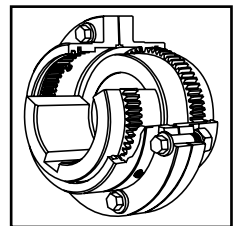
**Series K**  
Right angle helical  
bevel helical geared  
motors & reducers



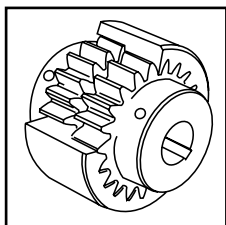
**Series M**  
In-line helical geared  
motors & reducers



**Roloid Gear Pump**  
Lubrication and fluid  
transportation pump



**Series X  
Gear**  
Torsionally rigid,  
high torque coupling



**Series X  
Nylicon**  
Gear coupling with  
nylon sleeve



We offer a wide range of repair services and many years experience of repairing demanding and highly critical transmissions in numerous industries.

We can create custom engineered transmission solutions of any size and configuration.

# SERIES M

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# SERIES M

## 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

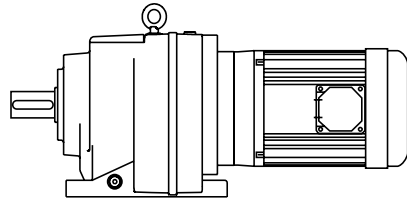
### Design Features Include

- 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.

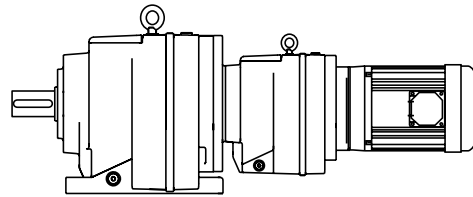
Motorized units can be fitted with a backstop module and reducer units can be fitted with a backstop and fan.

*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.*



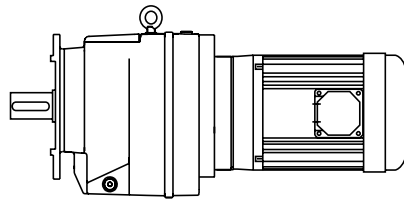
Two stage base mounted motorized

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



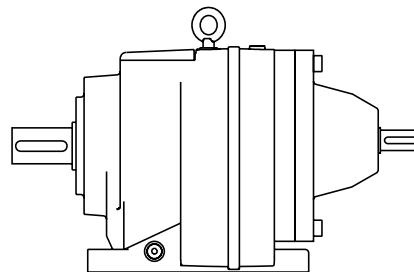
Four stage base mounted motorized

\* 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

# SERIES M

## UNIT DESIGNATION

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	

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

# SERIES M

## 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 $\leq 0.2$	Moderate mass acceleration factor $\leq 3$	Heavy mass acceleration factor $\leq 10$
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	$\geq 200$
Factor Fs	1.00	1.03	1.06	1.10	1.15	1.20

Note: Intermediate values are obtained by linear interpolation

# SERIES M

## LOAD CLASSIFICATION BY APPLICATION

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

<b>Agitators</b>		<b>Elevators</b>		<b>Machine Tools</b>		<b>Pumps</b>	
Pure liquids	U	Bucket - Uniform load	U	Bending roll	M	Centrifugal proportioning	U
Liquids and solids	M	Bucket - Heavy load	M	Punch press	H	Proportioning	M
Liquids variable density	M	Bucket - Continuous	U	Notching press	H	Reciprocating	
		Centrifugal discharge	U	Plate planer	H	Single acting 3+ cylinders	M
<b>Blowers</b>		Escalators	U	Other machine tools		Double acting 2+ cylinders	M
Centrifugal	U	Freight	M	Main drive	M	Single acting 1 & 2 cylinders	†
Lobe	M	Gravity discharge	U	Aux drive	U	Double acting 1 cylinder	†
Vane	U	Passenger lifts	†			Rotary- gear type	U
				<b>Metal mills</b>		Rotary- lobe type/ vane	U
<b>Brewing &amp; distilling</b>		<b>Fans</b>		Carriage/main drive	M		
Bottling machinery	M	Centrifugal	U	Draw bench	M	<b>Sand muller</b>	M
Brew Kettles	M	Cooling towers		Dryer	M		
Cookers	M	Induced draft	†	Flattening machinery	M	<b>Sewage treatment</b>	
Mash tubs	M	Forced draft	†	Pinch drive	M	Bar screen	U
Scale hopper	M	Fan - Large diameter induced draft	M	Reversing slitters	M	Chemical feeder	U
		Fan - Light, small diameter	M	Scrubber rolls	M	Collector	U
				Table conveyors		Dewatering screw	M
<b>Can filling machinery</b>	M	<b>Feeders</b>		Group drives	H	Mixers	M
		Apron	M	Individual drives	H	Scum breaker	M
<b>Crane knife</b>	M	Belt	M	Table conveyors- reversing	H	Thickness	M
		Disc	U	Wire draw	M	Vacuum filters	M
<b>Car dumper</b>	M	Reciprocating	H	Wire roll	M		
		Screw	M			<b>Screens</b>	
<b>Car puller</b>	M			<b>Mills</b>		Air washing	U
		<b>Food industry</b>		Cement kiln	H	Rotary, stone or gravel	M
<b>Clarifier</b>	U	Cereal cooker	U	Dryer, Cooler	H	Traveling water intake	U
		Dough mixer	M	Kiln (other)	H		
<b>Classifier</b>	M	Meat grinder	M	Rod plain	H	<b>Slab pushers</b>	M
		Meat slicer	M	Rod wedge bar	H		
<b>Clay wokring machinery</b>				Rotary/ Ball	H	<b>Slewing</b>	H
Brick press	H	<b>Generators - not welding</b>	U	Tumbling barrel	H		
Briquette machine	H			<b>Mixers</b>		<b>Steering gear</b>	†
Clay working machinery	M	<b>Hammer mills</b>	H	Concrete	M		
Plug mill	M			Cons density	U	<b>Stokers</b>	U
		<b>Hoists</b>		Variable density	M		
<b>Compressors</b>		Heavy duty	H			<b>Sugar industry</b>	
Centrifugal	U	Medium duty	M	<b>Oil industry</b>		Can knife	M
Lobe	M	Skip hoist	M	Chiller's	M	Crusher	M
Reciprocating				Oil well pump	M	Mills	M
Multi cylinder	M	<b>Laundry</b>		Filter press	M		
Single cylinder	H	Tumbler	M	Rotary kiln	M	<b>Textile industry</b>	
		Washer	M			Batchers	M
<b>Conveyors- Light duty uniform load</b>				<b>Paper industry</b>		Calenders	M
Apron	U	<b>Line shafts</b>		Agitator (mixer)	M	Cards	M
Assembly	U	Heavy duty	M	Barker (hydraulic)	M	Dry cans	M
Belt	U	Light duty	U	Barker (mechanical)	H	Dryers	M
Bucket	U			Barking drum	H	Dyeing machinery	M
Chain	U	<b>Lumber industry</b>		Beater & Pulper	M	Knitting machinery	M
Flight	U	Barkers	M	Bleacher	U	Looms	M
Oven	U	Burner conveyor	H	Calednders	M	Mangles	M
Screw	U	Chain/ Drag saw	H	Calenders- super	H	Nappers	M
		Chain transfer	H	Converting machine	M	Pads	M
<b>Conveyors - Heavy duty uniform load</b>		Chain way transfer	H	Conveyors	U	Range drive	M
Apron	M	De- barking drum	H	Couch	M	Slashers	M
Assembly	M	Edger feed	M	Cutters - plates	H	Soapers	M
Belt	M	Gang feed	M	Cylinders	M	Spinners	M
Bucket	M	Green chain	M	Dryers	M	Tenter frame	M
Chain	M	Live roll	H	Felt stretcher	M	Washers	M
Flight	M	Log deck	H	Felt whipper	H	Winders	M
Live roll	†	Log haul	H	Jordans	M		
Oven	M	Log turning	H	Log haul	H	<b>Windlass</b>	†
Reciprocating	M	Log conveyer	H	Machine real	M		
Screw	M	Of bearing roll	M	Presses	M		
Shaker	M	Planer feed chaines	M	Stock chest	M		
		Planer hoist	M	Suction roll	M		
<b>Cranes</b>	†	Re-saw conveyer	M	Washers & thickeners	M		
		Roll cases	H	Winders	M		
<b>Crusher</b>		Slab conveyer	H				
Ore	H	Sorting table - triple hoist	M	<b>Printing presses</b>	†		
Stone	H	Triple hoist - Drive /conveyor	M				
Sugar	H	Transfer conveyer	M	<b>Pullers</b>			
		Transfer roll	M	Barge haul	H		
<b>Dredger</b>	M	Tray drive	M				
Cable reals	M	Trimmer feed	M				
Conveyors	M	Waster conveyer	M				
Cutter head drive	H	Small waste conveyer (belt)	U				
Pumps	M	Small waste conveyer (chain)	U				
Screen drive	H						
Stackers	M						
Winches	M						

# SERIES M

## 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%

### 2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUT SHAFT

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

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

### 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)

### 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 <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> 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 <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> 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
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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

# SERIES M

## SELECTION PROCEDURE FOR MOTORISED UNITS

### 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	N2 rpm	i	M2 lb.in	Fm	lbf	UNIT DESIGNATION	lb	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	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	N2 rpm	i	M2 lb.in	Fm	lbf	UNIT DESIGNATION	lb	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	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 procedure 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	N2 rpm	i	M2 lb.in	Fm	lbf	UNIT DESIGNATION	lb	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> Through <span style="border: 1px solid black; padding: 0 2px;">20</span> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	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) >10      b) Ambient temperature is above 100 deg °F  
Inertia of Gear Unit plus Motor

# SERIES M

## UNIT VERSIONS

### 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	Flange Diameter	Column 9 Entry
120 mm (4.72")	<b>H</b>	300 mm (11.81")	<b>P</b>
140 mm (5.51")	<b>J</b>	350 mm (13.78")	<b>R</b>
160 mm (6.30")	<b>K</b>	450 mm (17.72")	<b>S</b>
200 mm (7.87")	<b>L</b>	550 mm (21.65")	<b>T</b>
250 mm (9.84")	<b>N</b>	660 mm (25.98")	<b>U</b>

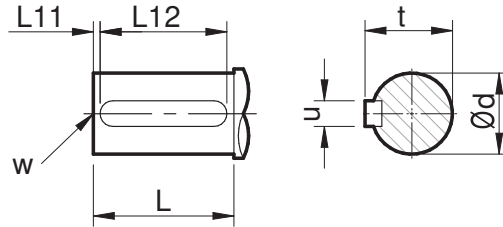
Size				Flange Diameter		Column 9 Entry
Double	Triple	Quadruple	Quintuple			
M0122	M0132	-	-	120 mm	4.72"	H
				140 mm	5.51"	J
				160 mm	6.30"	K
				200 mm	7.87"	L
M0222	M0232	-	-	120 mm	4.72"	H
				140 mm	5.51"	J
				160 mm	6.30"	K
				200 mm	7.87"	L
M0322	M0332	M0342	M0352	120 mm	4.72"	H
				140 mm	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

# SERIES M

## 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
M01	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"
M02	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"
M03	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"
M04	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"
M05	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"
M06	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"
M07	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"
M09	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"
M10	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"
M13	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"
M14	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"
M16	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"

# SERIES M

## MOTOR ADAPTERS

### 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.	5.0 - 12.	14. - 63.	3.6 - 9.0	11. - 56.	3.6 - 14.
56C	T	U	T	U	T	U	T	Q	M	T	T	T	T
143/145TC	V	W	V	W	V	W	V	Q	R	Q	R	R	R
182/184TC	X	-	X	-	X	-	Q	T	S	T	T	T	T
213/215TC	-	-	-	-	-	-	Q	U	U	U	U	U	U
254/256TC	-	-	-	-	-	-	Q	U	U	U	U	U	U
284/286TC	-	-	-	-	-	-	Q	U	U	U	U	U	U
324/326TC	-	-	-	-	-	-	Q	U	U	U	U	U	U
364/365TC	-	-	-	-	-	-	Q	U	U	U	U	U	U
404/405TC	-	-	-	-	-	-	Q	U	U	U	U	U	U
444/445TC	-	-	-	-	-	-	Q	U	U	U	U	U	U

#### 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 - 11.	12. - 56.	5.0 - 12.	14. - 63.	3.6 - 9.0	11. - 56.	3.6 - 14.	16. - 56.	3.6 - 14.
63	F	F	F	F	V	V	V	V	V	V	V	V	V
71	G	G	G	G	D	D	D	D	D	D	D	D	D
80	A	A	A	A	W	W	W	W	W	W	W	W	W
90	C	Q	C	Q	Y	Y	Y	Y	Y	Y	Y	Y	Y
100	-	-	-	-	A	A	A	A	A	A	A	A	A
112	-	-	-	-	A	A	A	A	A	A	A	A	A
132	-	-	-	-	N	P	N	P	N	P	N	P	N
160	-	-	-	-	N	P	N	P	N	P	N	P	N
180	-	-	-	-	N	P	N	P	N	P	N	P	N
200	-	-	-	-	N	P	N	P	N	P	N	P	N
225	-	-	-	-	N	P	N	P	N	P	N	P	N
250	-	-	-	-	N	P	N	P	N	P	N	P	N
280	-	-	-	-	N	P	N	P	N	P	N	P	N
315	-	-	-	-	N	P	N	P	N	P	N	P	N

#### 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 - 11.	12. - 56.	5.0 - 12.
71	H	H	H	H	H	H	H
80	B	K	B	K	B	K	B
90	D	R	D	R	D	R	D
100	E	S	E	S	E	S	E
112	E	S	E	S	E	S	E
132	-	-	-	-	-	-	-

#### 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 - 11.	12. - 56.	5.0 - 12.	14. - 63.
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	•	•	•	•	•	•	•	•

# SERIES M

## MOTOR ADAPTERS

### 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	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	.	.	W	X
213/215TC	.	.	.	.	.	.	.	V	Q	T	P	.	Z	A
254/256TC	.	.	.	.	.	.	.	.	U	U	R	R	P	B
284/286TC	.	.	.	.	.	.	.	.	.	V	M	S	Q	C
324/326TC	.	.	.	.	.	.	.	.	.	W	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	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	.	.	.	.	.
90	Q	Q	Q	Q	Q	Q	H	H	E	.	.	.	.	.
100	.	.	.	.	.	.	K	K	F	G	.	.	S	W
112	.	.	.	.	.	.	K	K	F	G	.	.	S	W
132	.	.	.	.	.	.	P	M	H	H	.	.	T	X
160	.	.	.	.	.	.	.	P	H	J	A	A	G	Z
180	.	.	.	.	.	.	.	.	.	K	B	B	H	N
200	.	.	.	.	.	.	.	.	.	L	C	C	J	P
225	.	.	.	.	.	.	.	.	.	M	D	D	K	Q
250	.	.	.	.	.	.	.	.	.	.	.	.	L	R
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	.	.	.	.	.	.	.	Z

#### 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	.	.	.	.	.	.	•	•	•

# SERIES M

## MOTOR ADAPTERS

### 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	F
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	-	-	-	-	-	•	•	•	•	•

# SERIES M

## MOTOR ADAPTERS

### 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	•	•	•	•	•	•	•	•	•	•	•

# SERIES M

## 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

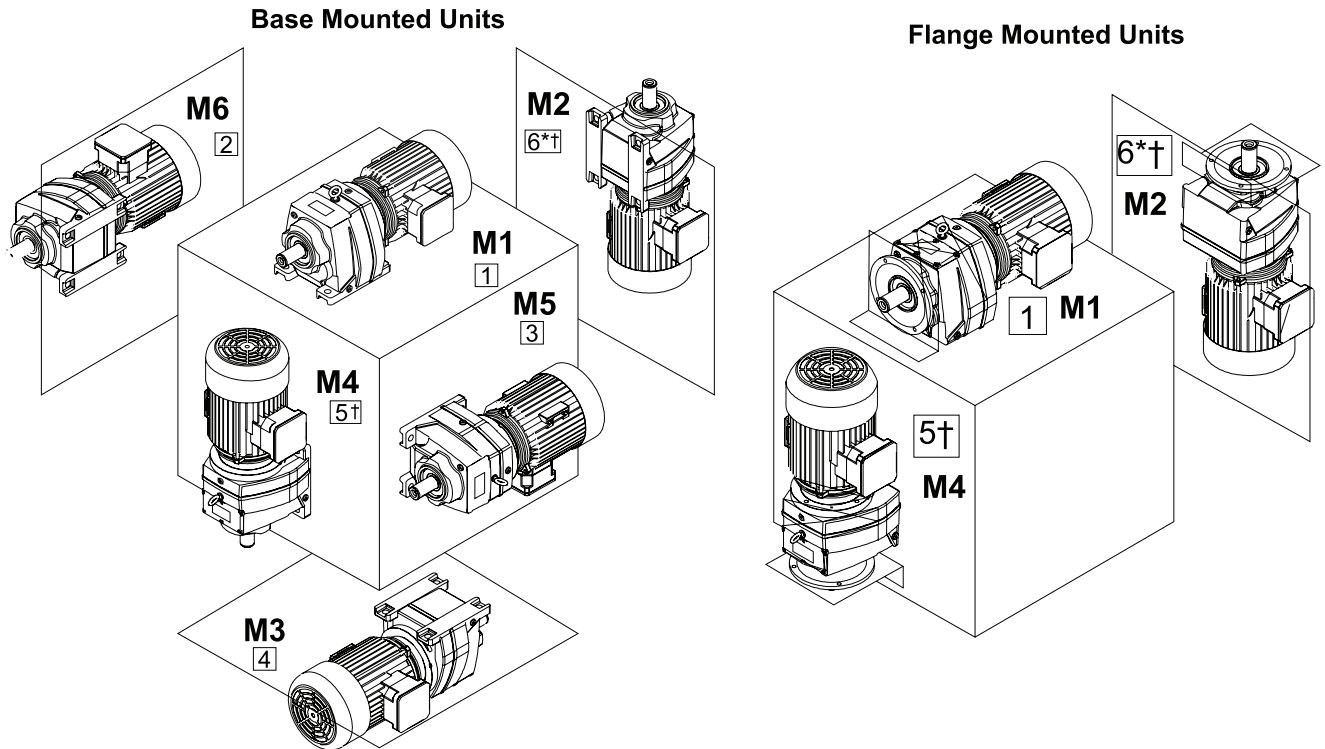
Primary stage quadruple reduction (Quantities obtained from above double and triple sizes indicated)												
Unit Size	M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442	M1642	
Primary Unit Size	M0122	M0322	M0322	M0322	M0322	M0522	M0522	M0722	M0722	M0722	M0922	
Secondary Unit Size	M0322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

# SERIES M

## MOUNTING POSITIONS

### COLUMN 13 ENTRY



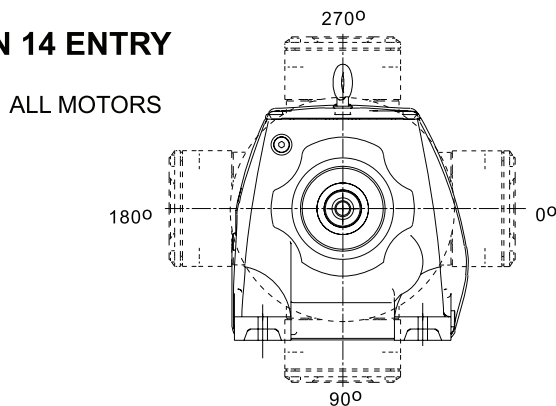
\* Mounting Position 6 is not recommended for Geared Motors - Consult Application Engineering  
 † Gear Units selected for use in mounting positions 5 and 6 should only be used with overall ratios greater or equal to those shown in the table below

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	

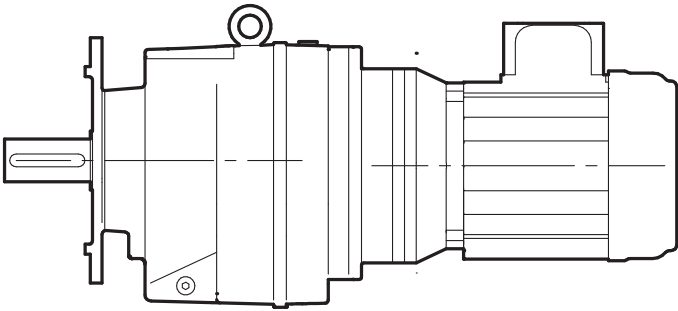
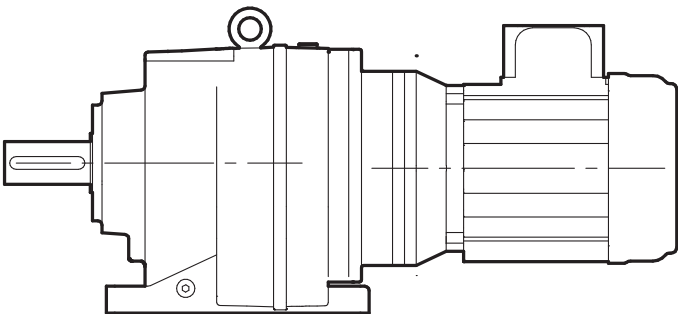
Base Mounting Position		Flange Mounting Position	
New Position	Previous Base Mount	New Position	Previous Flange Mount
M1	B3	M1	B5
M2	V6	M2	V3
M3	B8	-	-
M4	V5	M4	V1
M5	B6	-	-
M6	B7	-	-

### MOUNTING POSITIONS - SHOWN AS MOTORISED - APPLIES ALSO FOR REDUCERS

### COLUMN 14 ENTRY



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

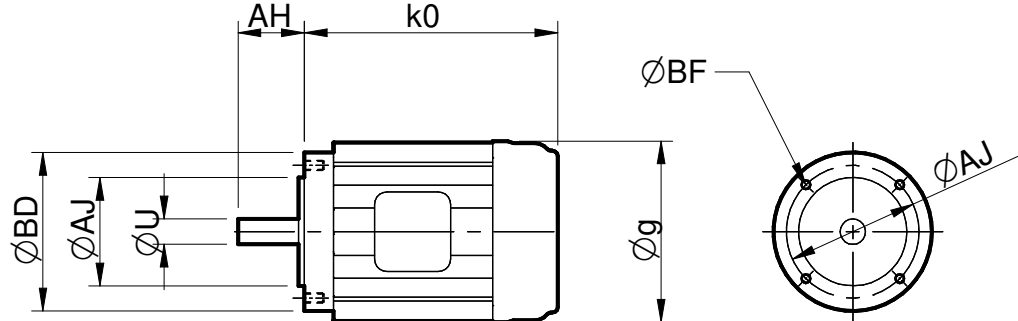


**MOTORIZED**  
**SERIES M**

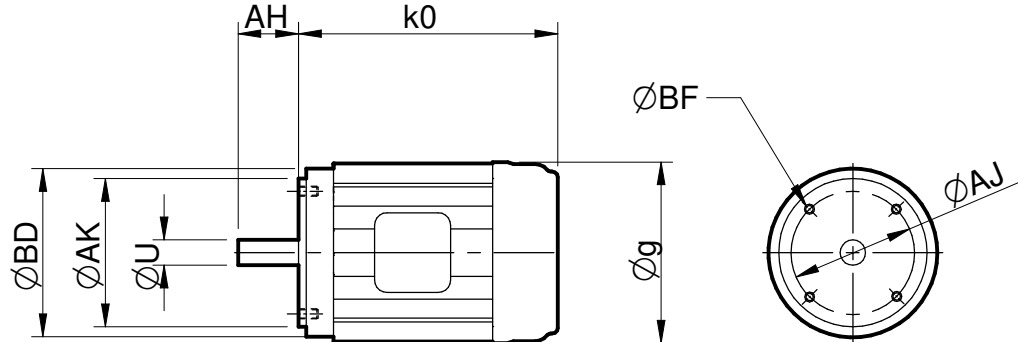
# SERIES M

## 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.

# SERIES M

## ADDITIONAL MOTOR FEATURES

### 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
- EExEIIIT3
- Ex nA II T3
- IP56
- IP65
- Metal fan cover
- Rain cowl
- Separate terminal box

# SERIES M

## ADDITIONAL GEARBOX FEATURES

### 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

# SERIES M

## EXACT RATIOS

### Exact Ratios - Double Reduction

Column Entry			M0122	M0222	M0322	M0422	M0522	M0622	M0722	M0822	M0922	M1022	M1322	M1422	M1622
6	7	8													
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			M0132	M0232	M0332	M0432	M0532	M0632	M0732	M0832	M0932	M1032	M1332	M1432	M1632
6	7	8													
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	-	-	-	-	-	-	-

# SERIES M

## EXACT RATIOS

### Exact Ratios - Quadruple Reduction

Column Entry			M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442	M1642
6	7	8											
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			M0352	M0452	M0552	M0652	M0752	M0852	M0952	M1052	M1352	M1452	M1652
6	7	8											
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	-		

# SERIES M

## SELECTION TABLES

**0.25 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> Blanks to be filled when entering order	Weight of base mount unit	
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
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

# SERIES M

## SELECTION TABLES

**0.25 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

### 0.25 HP

4 Pole 1750 rpm  
nominal input  
speed

### 0.33 HP

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
0.64	2735.2	24134	3.56	12300	M135227C N _ _ 25B--	707	56C
0.56	3150.2	27796	3.09	12300	M135232C N _ _ 25B--	707	56C
0.48	3670.5	32387	2.65	12300	M135236C N _ _ 25B--	707	56C
0.43	4091.1	36097	2.38	12300	M135240C N _ _ 25B--	707	56C
0.38	4588.1	40483	2.12	12300	M135246C N _ _ 25B--	707	56C
0.27	6443.4	56854	1.51	12300	M135255C N _ _ 25B--	707	56C
0.24	7226.3	63761	1.35	12300	M135265C N _ _ 25B--	707	56C
0.23	7526.5	66410	1.29	12300	M135274C N _ _ 25B--	707	56C
0.21	8440.9	74479	1.15	12300	M135284C N _ _ 25B--	707	56C
0.18	9894.6	87305	0.98	12300	M135295C N _ _ 25B--	707	56C
0.17	10527.2	92886	0.92	12300	M135210K N _ _ 25B--	707	56C
0.53	3286	28994	3.97	15300	M145232C N _ _ 25B--	923	56C
0.49	3598	31748	3.62	15300	M145236C N _ _ 25B--	923	56C
0.44	3943	34792	3.31	15300	M145240C N _ _ 25B--	923	56C
0.37	4678	41276	2.79	15300	M145246C N _ _ 25B--	923	56C
0.32	5471	48274	2.38	15300	M145255C N _ _ 25B--	923	56C
0.27	6390	56381	2.04	15300	M145265C N _ _ 25B--	923	56C
0.23	7473	65940	1.74	15300	M145274C N _ _ 25B--	923	56C
0.21	8381	73951	1.56	15300	M145284C N _ _ 25B--	923	56C
0.18	9827	86712	1.33	15300	M145295C N _ _ 25B--	923	56C
0.16	11024	97269	1.18	15300	M145210K N _ _ 25B--	923	56C
0.30	5775	50954	3.59	22000	M165255C N _ _ 25B--	1760	56C
0.27	6440	56824	3.22	22000	M165265C N _ _ 25B--	1760	56C
0.23	7728	68189	2.68	22000	M165274C N _ _ 25B--	1760	56C
0.20	8899	78520	2.33	22000	M165284C N _ _ 25B--	1760	56C
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

# SERIES M

## SELECTION TABLES

**0.33 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**0.33 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**0.50 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**0.50 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

### 0.50 HP

4 Pole 1750 rpm  
nominal input  
speed

### 0.75 HP

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> Blanks to be filled when entering order	Weight of base mount unit	
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
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

# SERIES M

## 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 <input type="text" value="1"/> - <input type="text" value="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

# SERIES M

## SELECTION TABLES

**0.75 HP**

4 Pole 1750 rpm  
nominal input  
speed

**1.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

**NOTE**

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

Consult Application Engineering

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
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	
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
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

# SERIES M

## SELECTION TABLES

**1.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**1.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**1.50 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**1.50 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

### 1.50 HP

4 Pole 1750 rpm  
nominal input  
speed

### 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 <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> 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
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

# SERIES M

## SELECTION TABLES

**2.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

### 2.00 HP

4 Pole 1750 rpm  
nominal input  
speed

### 3.00 HP

4 Pole 1750 rpm  
nominal input  
speed

#### NOTE

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

Consult Application Engineering

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
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	
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
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

# SERIES M

## SELECTION TABLES

**3.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**3.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

**5.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

**NOTE**

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

Consult Application Engineering

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
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	
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
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

# SERIES M

## SELECTION TABLES

**5.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**5.00 HP**

4 Pole 1750 rpm  
nominal input  
speed

**7.50 HP**

4 Pole 1750 rpm  
nominal input  
speed

**NOTE**

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

Consult Application Engineering

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> Blanks to be filled when entering order	Weight of base mount unit	
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
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

# SERIES M

## SELECTION TABLES

**7.50 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

### 7.50 HP

4 Pole 1750 rpm  
nominal input  
speed

### 10.0 HP

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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
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

# SERIES M

## SELECTION TABLES

**10.0 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**15.0 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

### 15.0 HP

4 Pole 1750 rpm  
nominal input  
speed

### 20.0 HP

4 Pole 1750 rpm  
nominal input  
speed

#### NOTE

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

Consult Application Engineering

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
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	
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
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

# SERIES M

## SELECTION TABLES

### 20.0 HP

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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	8063	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

# SERIES M

## SELECTION TABLES

**25.0 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**30.0 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**40.0 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**50.0 HP**

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

# SERIES M

## SELECTION TABLES

**60.0 HP**

4 Pole 1750 rpm  
nominal input  
speed

**75.0 HP**

4 Pole 1750 rpm  
nominal input  
speed

**NOTE**

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

Consult Application Engineering

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span> Blanks to be filled when entering order	Weight of base mount unit	
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
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

# SERIES M

## SELECTION TABLES

### 100 HP

4 Pole 1750 rpm  
nominal input  
speed

N2 rpm	i	M2 lb.in	Fm	lbf	Unit Designation	lb	Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Blanks to be filled when entering order	Weight of base mount unit	
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

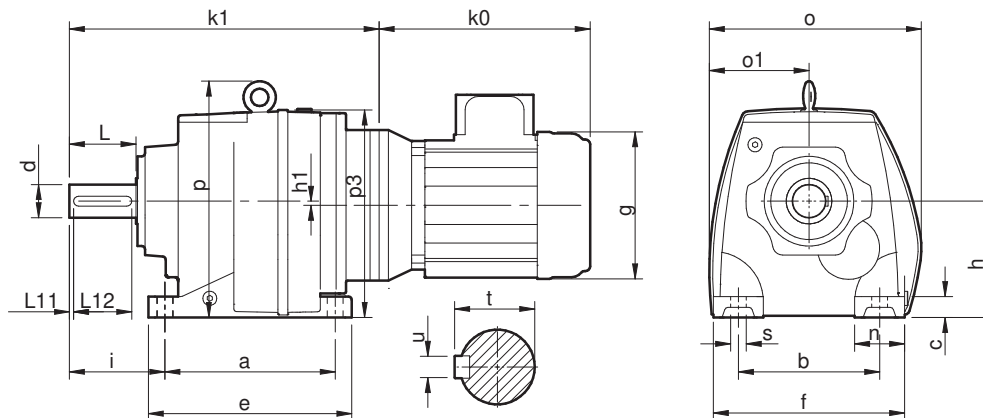
#### NOTE

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

Consult Application Engineering

# SERIES M

## DIMENSIONS - BASE MOUNTED DOUBLE/ TRIPLE REDUCTION

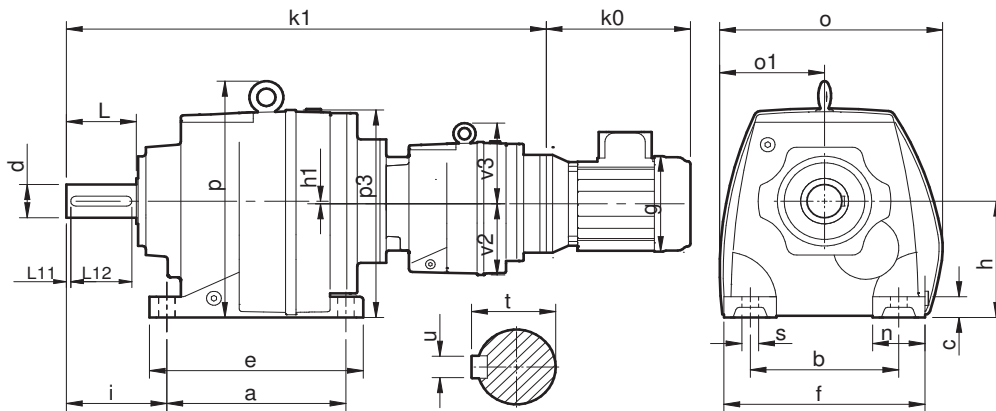


Size	a	b	c	e	f	h	h1	i	n	o	o1	p	p3	s	d	L	L12	t	u
M0122 M0132	4.33	4.33	0.47	5.16	5.31	2.95	0	2.28	0.98	5.98	2.99	-	5.87	0.39	0.7500 0.7495	1.57	1.38	0.83	0.188
M0222 M0232	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	1.38	6.69	3.31	-	7.09	0.39	1.0000 0.9995	1.97	1.38	1.11	0.250
M0322 M0332	5.12	4.33	0.63	5.98	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	Series M Models																											
	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		
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	-

# SERIES M

## DIMENSIONS - BASE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION

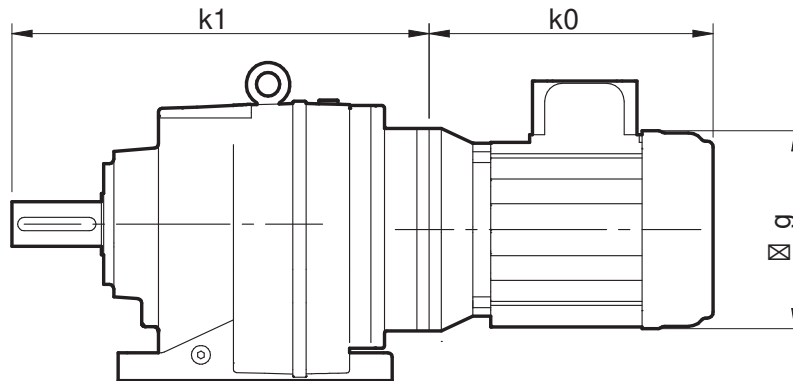


Size	a	b	c	e	f	h	h1	i	n	o	o1	p	p3	s	d	L	L12	t	u	v2	v3
M0342 M0352	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	1.38	6.69	3.31	-	7.09	0.39	1.0000 0.9995	1.97	1.38	1.11	0.250	2.99	2.91
M0442 M0452	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	1.38	6.69	3.31	-	7.09	0.39	1.0000 0.9995	1.97	1.38	1.11	0.250	2.99	2.91
M0542 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	Series M																							
	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		
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	-	

# SERIES M

## DIMENSIONS - BASE MOUNTED UNITS WITH COMPACT MOTOR

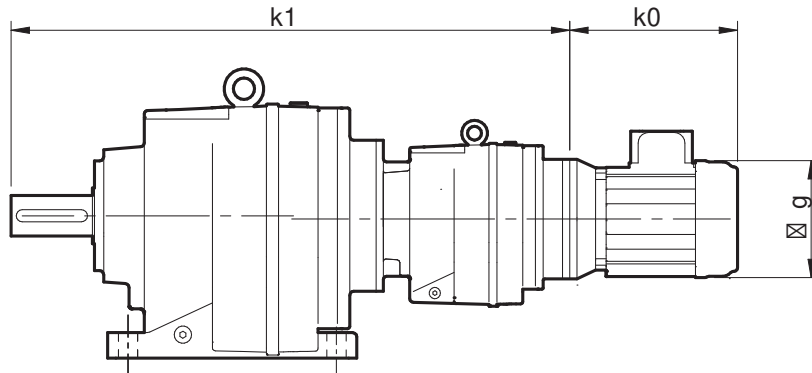


Size	M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822		
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.33 HP	5.51	6.89	9.06	8.11	9.06	8.11	9.06										
0.50 HP	5.51	6.89	9.06	8.11	9.06	8.11	9.06										
0.75 HP	6.30	6.89	11.02	8.11	11.02	8.11	11.02	10.16	10.43	10.55	10.43	11.38	10.43				
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

# SERIES M

## DIMENSIONS - BASE MOUNTED UNITS WITH COMPACT MOTOR

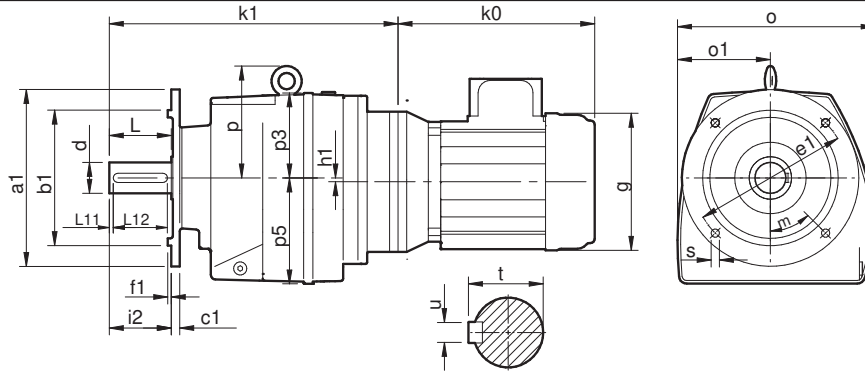


Size	M0342		M0442		M0542		M0642		M0742		M0842		M0942		M1042		M1342		M1442			
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	
0.33 HP	5.51	15.43	9.06	18.11	9.06	18.50	9.06	19.33	9.06	20.79	9.06											
0.50 HP	5.51	15.43	9.06	18.11	9.06	18.50	9.06	19.33	9.06	20.79	9.06											
0.75 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	

# SERIES M

## DIMENSIONS - FLANGE MOUNTED DOUBLE/ TRIPLE REDUCTION

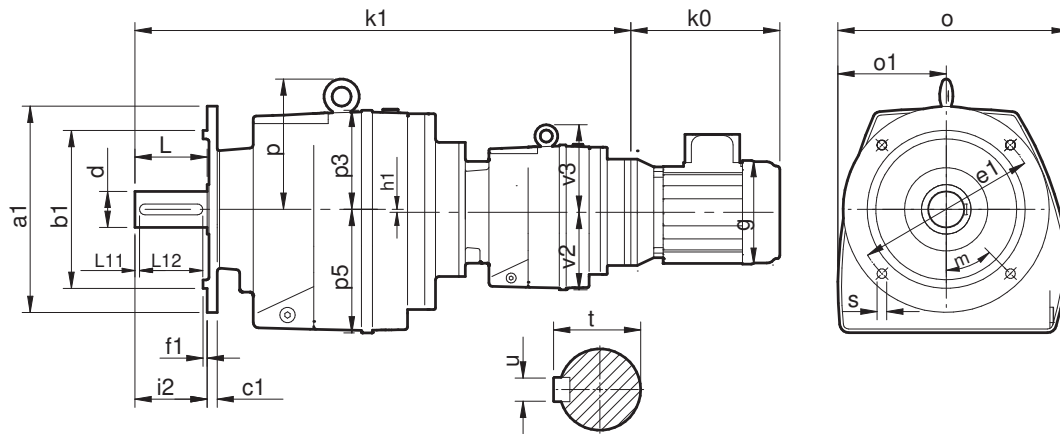


Size	a1	b1	c1	e1	f1	s	m	h1	i2	o	o1	p	p3	p5	d	L	L12	t	u
M0122 M0132	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.57	5.98	2.99	-	2.91	2.99	0.7500 0.7495	1.57	1.38	0.83	0.188
	5.51	3.74	0.39	4.53	0.12	4 x 0.35													
	6.30	4.33	0.39	5.12	0.14	4 x 0.35													
M0222 M0232	4.72	3.15	0.39	3.94	0.12	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													
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													
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													
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													
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 M0932	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
	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°												
M1022 M1032	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
	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°												
M1322 M1332	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
	21.65	17.72	0.98	19.69	0.20	8 x 0.70													
M1422 M1432	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
	21.65	17.72	0.98	19.69	0.20	8 x 0.70													
M1622 M1632	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
	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	-

# SERIES M

## DIMENSIONS - FLANGE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION

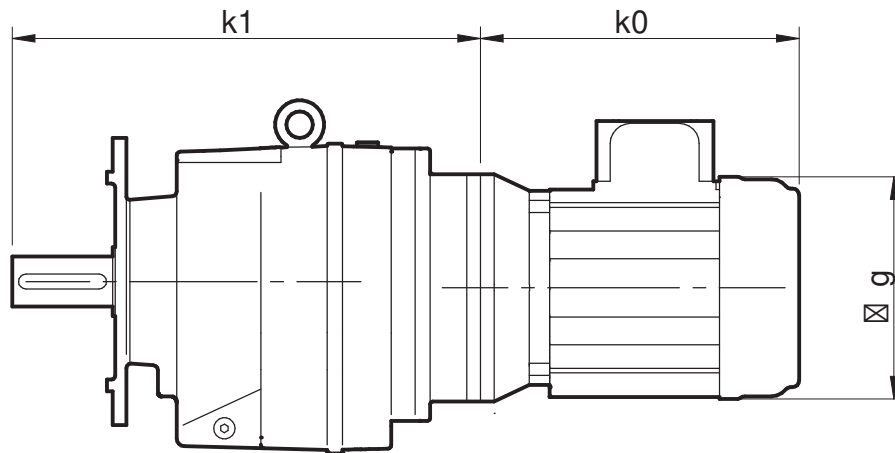


Size	a1	b1	c1	e1	f1	s	m	h1	i2	o	o1	p	p3	p5	d	L	L12	t	u	v2	v3
<b>M0342</b> <b>M0352</b>	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.97	6.69	3.31	-	3.54	3.58	1.0000 0.9995	1.97	1.38	1.11	0.25	2.99	2.91
	5.51	3.74	0.39	4.53	0.12	4 x 0.35															
	6.30	4.33	0.39	5.12	0.14	4 x 0.35															
	7.87	5.12	0.39	6.50	0.14	4 x 0.43															
<b>M0432</b> <b>M0452</b>	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	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															
	9.84	7.09	0.43	8.46	0.16	4 x 0.50															
<b>M0542</b> <b>M0552</b>	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	0.31	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															
	9.84	7.09	0.43	8.46	0.16	4 x 0.50															
<b>M0642</b> <b>M0652</b>	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	3.58	3.54
	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															
	7.87	5.12	0.43	6.50	0.14	4 x 0.43															
<b>M0742</b> <b>M0752</b>	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 1.6240	3.15	2.53	1.78	0.38	3.58	3.54
	11.81	9.06	0.43	10.43	0.16	4 x 0.50															
	11.81	9.06	0.43	10.43	0.16	4 x 0.50															
	11.81	9.06	0.67	10.43	0.16	4 x 0.50															
<b>M0842</b> <b>M0852</b>	13.78	9.84	0.67	11.81	0.20	4 x 0.70	45°	0	3.94	12.60	6.57	7.09	5.12	7.17	2.1250 2.1240	3.94	3.00	2.34	0.5	4.53	3.66
	13.78	9.84	0.67	11.81	0.20	4 x 0.70															
<b>M0942</b> <b>M0952</b>	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	4.53	3.66
	17.72	13.78	0.87	15.75	0.20	8 x 0.70															
<b>M1042</b> <b>M1052</b>	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	5.51	6.10
	17.72	13.78	0.87	15.75	0.20	8 x 0.70															
<b>M1342</b> <b>M1352</b>	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	5.51	6.10
	21.65	17.72	0.98	19.69	0.20	8 x 0.70															
<b>M1442</b> <b>M1452</b>	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	5.51	6.10
	21.65	17.72	0.98	19.69	0.20	8 x 0.70															
<b>M1642</b> <b>M1652</b>	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	9.06	9.45
	25.98	21.65	1.10	23.62	0.24	8 x 0.87															

Size	Series M Gear Sizes																							
	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		
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	-	

# SERIES M

## DIMENSIONS - FLANGE MOUNTED UNITS WITH COMPACT MOTOR

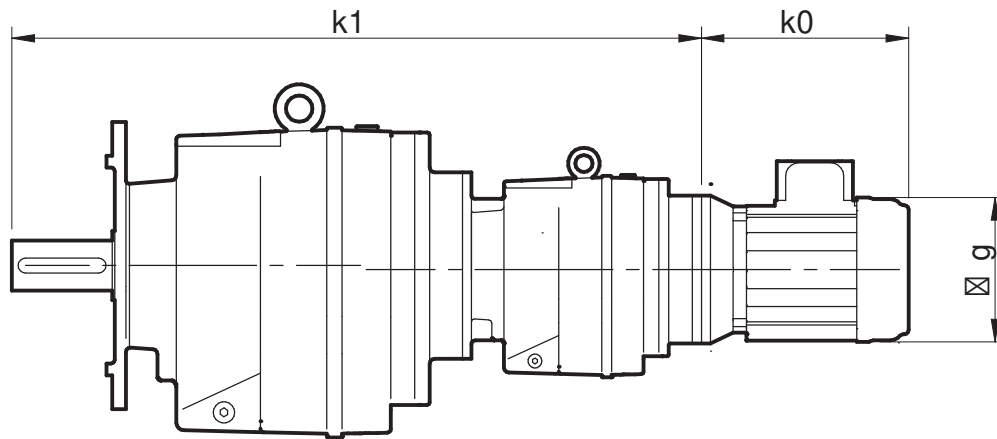


Size	M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822			
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	
0.33 HP	5.51	6.89	9.06	8.11	9.06	8.11	9.06											
0.50 HP	5.51	6.89	9.06	8.11	9.06	8.11	9.06											
0.75 HP	6.30	6.89	11.02	8.11	11.02	8.11	11.02	10.16	10.43	10.55	10.43	11.38	10.43					
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	

# SERIES M

## 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	

# SERIES M

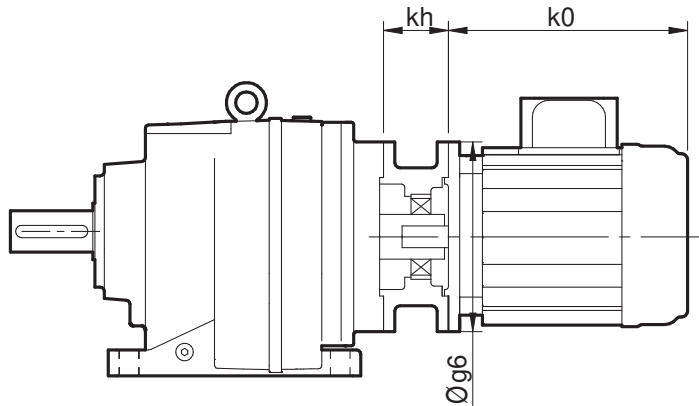
## MOTORIZED BACKSTOP MODULE

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"

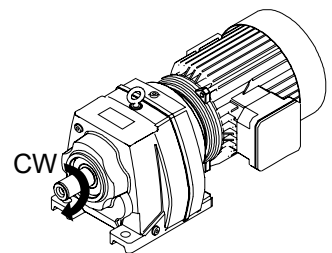
### NEMA C Flange

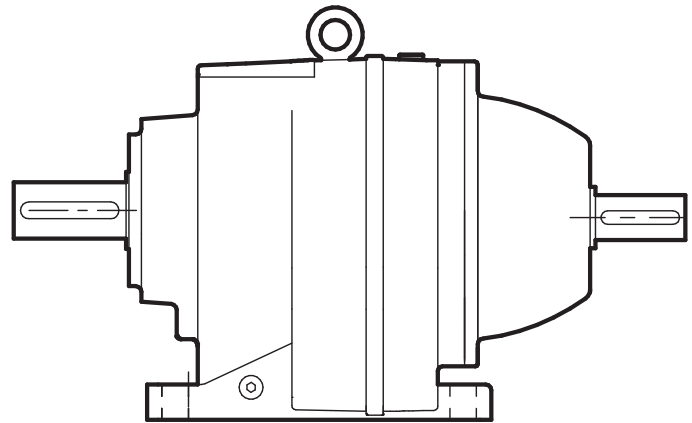
Motor Frame Size	Lift off speed 'n' min ( rpm )	Rated locking torque 'T max' (at motor) lb.in	øg6	kh
182TC / 184TC	670	2655	9.00"	3.75"
213TC / 215 TC	670	2655	9.00"	3.75"
254TC / 256TC	620	8320	9.00"	4.75"
284TC / 286TC	620	8320	11.00"	5.38"
324TC / 326TC	550	11150	13.00"	6.00"

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





**REDUCER**  
**SERIES M**

# SERIES M

## 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 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.

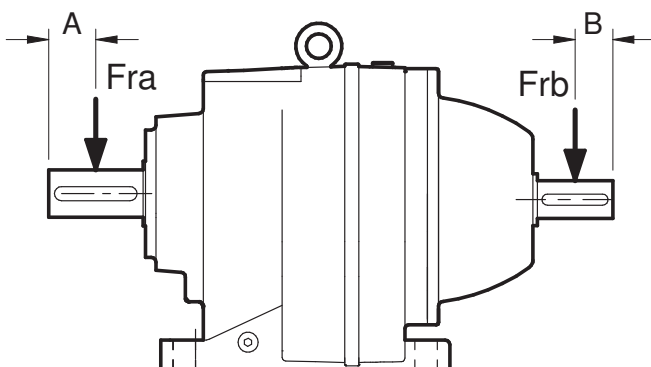
#### Overhung load (lbf)

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

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



### 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

#### 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

# SERIES M

## 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
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	

# SERIES M

## 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
<b>M0322</b>	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
	<b>M0332</b>	56.	57.03	31	1850	0.929	680	20	1850	0.616	680	61	1790	1.80	680	15	1850	0.464
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
<b>M0342</b>	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	
<b>M0352</b>	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

# SERIES M

## 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
<b>M0422</b>	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	
<b>M0432</b>	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
<b>M0442</b>	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	
<b>M0452</b>	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	

# SERIES M

## 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>in</i>	<i>i</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>
<b>M0522</b>	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	
<b>M0532</b>	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
<b>M0542</b>	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	
<b>M0552</b>	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
	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	

# SERIES M

## 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
<b>M0622</b>	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
<b>M0632</b>	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
<b>M0642</b>	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	
<b>M0652</b>	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

# SERIES M

## 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
<b>M0722</b>	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	
<b>M0732</b>	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
<b>M0742</b>	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	
<b>M0752</b>	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	

# SERIES M

## 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>in</i>	<i>i</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>
<b>M0822</b>	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	
<b>M0832</b>	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
<b>M0842</b>	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	
<b>M0852</b>	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	

# SERIES M

## 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>in</i>	<i>i</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>	<i>n2</i>	<i>M2</i>	<i>Pm</i>	<i>Fra</i>
<b>M0922</b>	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	
<b>M0932</b>	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
<b>M0942</b>	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	
<b>M0952</b>	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	

# SERIES M

## 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>i</i> n	<i>i</i>	<i>n</i> 2	<i>M</i> 2	<i>P</i> m	<i>F</i> ra	<i>n</i> 2	<i>M</i> 2	<i>P</i> m	<i>F</i> ra	<i>n</i> 2	<i>M</i> 2	<i>P</i> m	<i>F</i> ra	<i>n</i> 2	<i>M</i> 2	<i>P</i> m	<i>F</i> ra
<b>M1022</b>	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	
<b>M1032</b>	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
<b>M1042</b>	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	
<b>M1052</b>	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	

# SERIES M

## 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 <sub>n</sub>	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	
<b>M1322</b>	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		
<b>M1332</b>	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	
	<b>M1342</b>	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		
<b>M1352</b>	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		

# SERIES M

## 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	
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		

# SERIES M

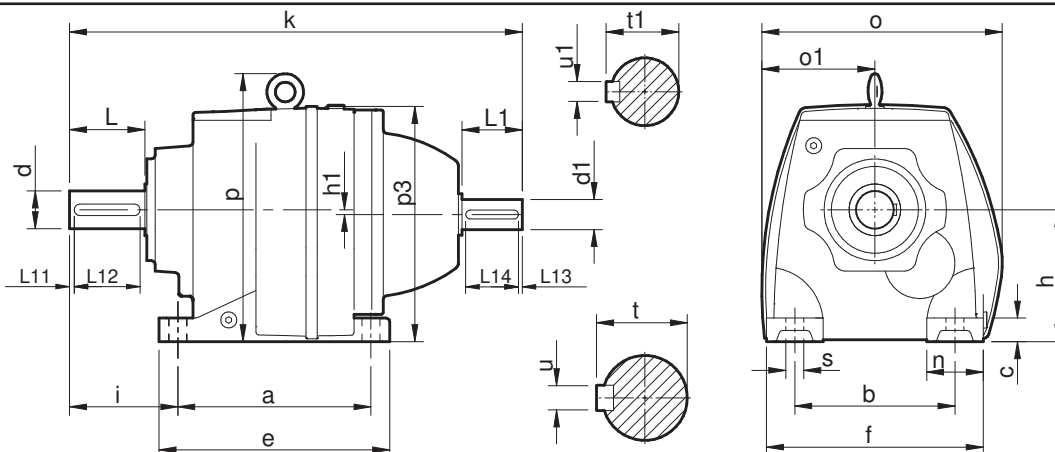
## RATINGS

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	
<b>M1622</b>	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	179000	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	
<b>M1632</b>	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	
	<b>M1642</b>	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		
<b>M1652</b>	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	

# SERIES M

## DIMENSIONS - BASE MOUNTED DOUBLE/ TRIPLE REDUCTION

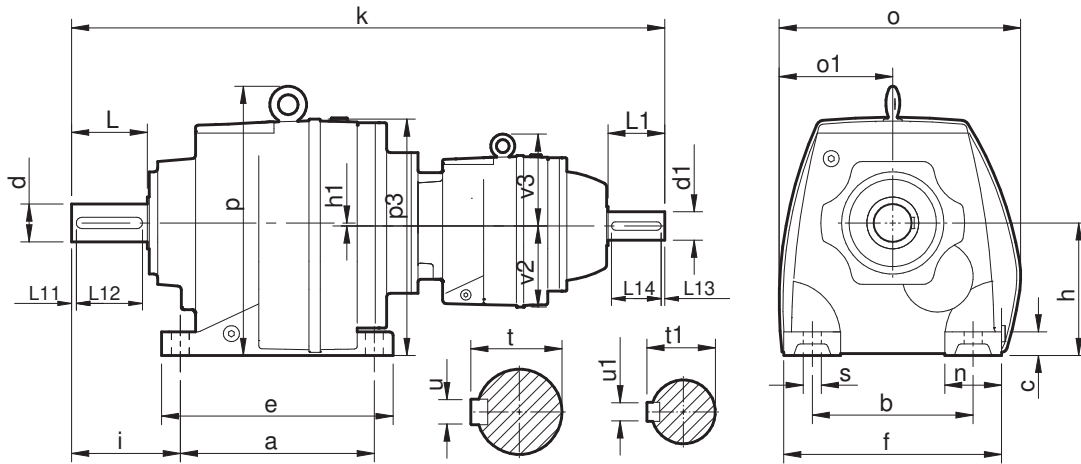


Size	a	b	c	e	f	h	h1	i	k	n	o	o1	p	p3	s
M0122 M0132	4.33	4.33	0.47	5.16	5.31	2.95	0	2.28	11.26 11.85	0.98	5.98	2.99	-	5.87	0.39
M0222 M0232	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	12.48 12.99	1.38	6.69	3.31	-	7.09	0.39
M0322 M0332	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	12.48 12.99	1.38	6.69	3.31	-	7.09	0.39
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 M0432	0.7500 / 0.7495 0.6250 / 0.6245	1.57 1.57	1.38	0.83 0.70	0.188	1.2500 / 1.2495	2.36	2.13	1.36	0.250
M0522 M0532	0.7500 / 0.7495 0.6250 / 0.6245	1.57 1.57	1.38	0.83 0.70	0.188	1.3750 / 1.3745	2.76	2.53	1.51	0.313
M0622 M0632	0.7500 / 0.7495 0.6250 / 0.6245	1.57 1.57	1.38	0.83 0.70	0.188	1.3750 / 1.3745	2.76	2.53	1.51	0.313
M0722 M0731	0.8750 / 0.8745 0.7500 / 0.7495	1.97 1.57	1.38	0.96 0.83	0.188	1.6250 / 1.6240	3.15	2.53	1.78	0.375
M0822 M0832	1.1250 / 1.1245 0.8750 / 0.8745	2.36 1.97	2.13 1.38	1.23 0.96	0.250	2.1250 / 2.1240	3.94	3.00	2.34	0.500
M0922 M0932	1.3750 / 1.3745 1.1250 / 1.1245	3.15 2.36	2.56 2.13	1.51 1.23	0.313	2.3750 / 2.3740	4.72	4.00	2.65	0.625
M1022 M1032	1.6250 / 1.6240 1.3750 / 1.3745	4.33 3.15	3.88 2.56	1.79 1.51	0.375	2.8750 / 2.8740	5.51	5.00	3.20	0.750
M1322 M1332	2.1250 / 2.1240 1.6250 / 1.6240	4.33 4.33	4.06 3.88	2.35 1.79	0.500	3.6250 / 3.6240	6.69	6.30	4.01	0.875
M1422 M1432	2.1250 / 2.1240 1.6250 / 1.6240	4.33 4.33	4.06 3.88	2.35 1.79	0.500	4.0000 / 3.9990	8.27	8.00	4.44	1.000
M1622 M1632	2.8750 / 2.8740 2.1250 / 2.1240	5.51 4.33	5.00 4.06	3.20 2.35	0.750	5.0000 / 4.9990	8.27	8.00	4.44	1.000

# SERIES M

## DIMENSIONS - BASE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION

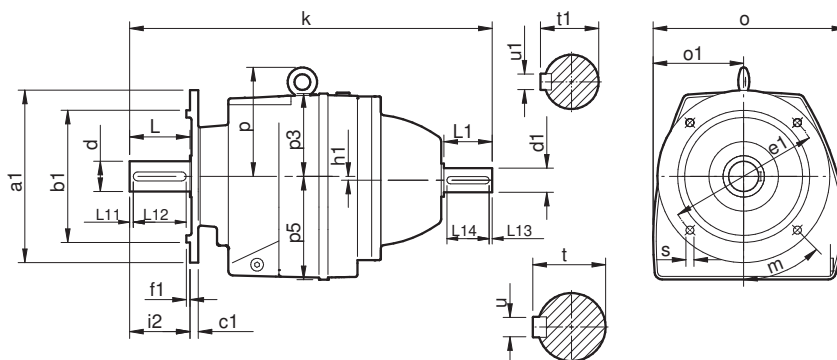


Size	a	b	c	e	f	h	h1	i	k	n	o	o1	p	p3	v2	v3	s
M0342 M0352	5.12	4.33	0.63	5.98	5.71	3.54	0	2.95	19.80 20.39	1.38	6.69	3.31	-	7.09	2.99	2.91	0.39
M0442 M0452	6.50	5.31	0.79	7.87	7.48	4.53	0	3.54	22.48 22.99	2.17	8.03	3.82	-	8.19	3.58	3.54	0.59
M0542 M0552	6.50	5.31	0.79	7.87	7.48	4.53	0	3.94	22.87 23.39	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

# SERIES M

## DIMENSIONS - FLANGE MOUNTED DOUBLE/ TRIPLE REDUCTION

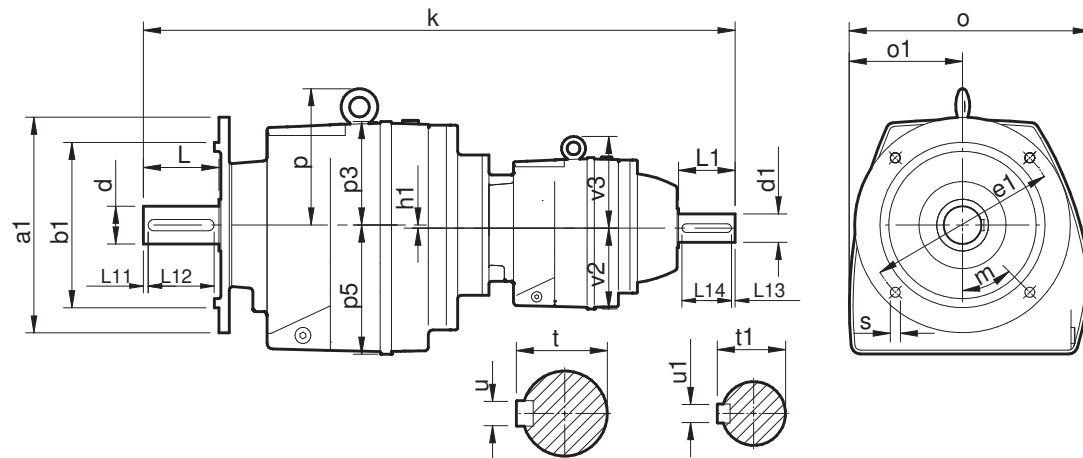


Size	a1	b1	c1	e1	f1	s	m	h1	i2	k	o	o1	p	p3	p5
M0122 M0132	4.72	3.15	0.39	3.94	0.12	4 x 0.35	45°	0	1.57	11.26	5.98	2.99	-	2.91	2.99
	5.51	3.74	0.39	4.53	0.12	4 x 0.35									
	6.30	4.33	0.39	5.12	0.14	4 x 0.35									
M0222 M0232	7.87	5.12	0.39	6.50	0.14	4 x 0.43	45°	0	1.97	11.85	6.69	3.31	-	3.54	3.58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

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 M0432	0.7500 / 0.7495 0.6250 / 0.6245	1.57 1.57	1.38	0.83 0.70	0.188	1.2500 / 1.2495	2.36	2.13	1.36	0.250
M0522 M0532	0.7500 / 0.7495 0.6250 / 0.6245	1.57 1.57	1.38	0.83 0.70	0.188	1.3750 / 1.3745	2.76	2.53	1.51	0.313
M0622 M0632	0.7500 / 0.7495 0.6250 / 0.6245	1.57 1.57	1.38	0.83 0.70	0.188	1.3750 / 1.3745	2.76	2.53	1.51	0.313
M0722 M0732	0.8750 / 0.8745 0.7500 / 0.7495	1.97 1.57	1.38	0.96 0.83	0.188	1.6250 / 1.6240	3.15	2.53	1.78	0.375
M0822 M0832	1.1250 / 1.1245 0.8750 / 0.8745	2.36 1.97	2.13 1.38	1.23 0.96	0.250	2.1250 / 2.1240	3.94	3.00	2.34	0.500
M0922 M0932	1.3750 / 1.3745 1.1250 / 1.1245	3.15 2.36	2.56 2.13	1.51 1.23	0.313	2.3750 / 2.3740	4.72	4.00	2.65	0.625
M1022 M1032	1.6250 / 1.6240 1.3750 / 1.3745	4.33 3.15	3.88 2.56	1.79 1.51	0.375	2.8750 / 2.8740	5.51	5.00	3.20	0.750
M1322 M1332	2.1250 / 2.1240 1.6250 / 1.6240	4.33 4.33	4.06 3.88	2.35 1.79	0.500	3.6250 / 3.6240	6.69	6.30	4.01	0.875
M1422 M1432	2.1250 / 2.1240 1.6250 / 1.6240	4.33 4.33	4.06 3.88	2.35 1.79	0.500	4.0000 / 3.9990	8.27	8.00	4.44	1.000
M1622 M1632	2.8750 / 2.8740 2.1250 / 2.1240	5.51 4.33	5.00 4.06	3.20 2.35	0.750	5.0000 / 4.9990	8.27	8.00	4.44	1.000

# SERIES M

## 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											
M0442 M0452	7.87	5.12	0.39	6.50	0.14	4 x 0.43	45°	0	2.36	20.39	8.03	0.31	-	3.66	4.53	3.58	3.54
	5.51	3.74	0.43	4.53	0.12	4 x 0.35											
	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											
M0542 M0552	9.84	7.09	0.43	8.46	0.16	4 x 0.50	45°	0	2.76	22.48	8.03	0.39	-	3.66	4.53	3.58	3.54
	5.51	3.74	0.43	4.53	0.12	4 x 0.35											
	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											
M0642 M0652	9.84	7.09	0.43	8.46	0.16	4 x 0.50	45°	0.57	2.76	22.87	8.66	0.39	4.57	3.31	5.12	3.58	3.54
	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											
M0742 M0752	7.87	5.12	0.43	6.50	0.14	4 x 0.43	45°	0	3.15	23.39	9.92	0.47	6.10	4.33	5.51	3.58	3.54
	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											
M0842 M0852	13.78	9.84	0.67	11.81	0.20	4 x 0.70	45°	0	3.94	25.7	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											
M0942 M0952	17.72	13.78	0.87	15.75	0.20	8 x 0.70	45°	0	4.72	29.6	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°										
M1042 M1052	17.72	13.78	0.87	15.75	0.20	8 x 0.70	45°	0	5.51	32.8	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°										
M1142 M1152	25.98	21.65	1.10	23.62	0.24	8 x 0.87	22.5°	0.69	6.69	37.6	18.90	0.98	11.81	7.95	12.20	5.51	6.10
	13.78	9.84	0.71	11.81	0.20	8 x 0.70	22.5°										
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	8 x 0.70	22.5°										
M1642 M1652	17.72	13.78	0.87	15.75	0.20	8 x 0.70	22.5°	1.66	8.27	47.4	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	22.5°										

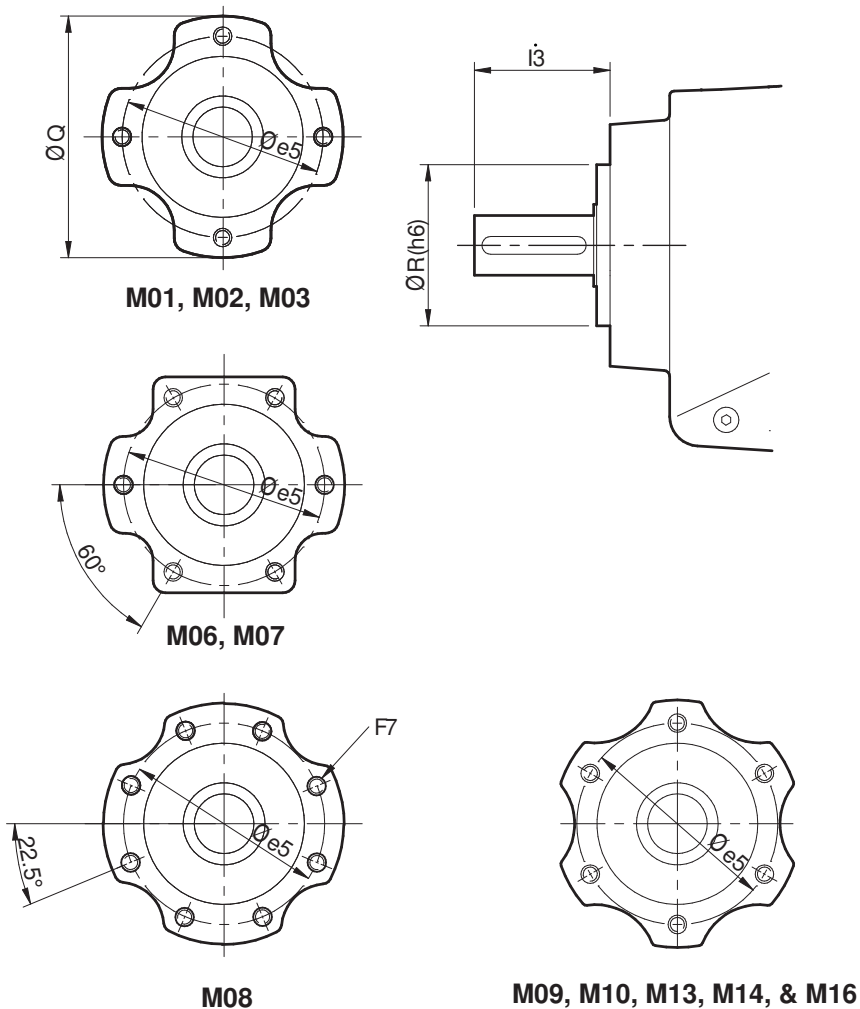
Size	d1	L1	L14	t1	u1	d	L	L12	t	u
M0342 M0352	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.0000 / 0.9995	1.57	1.38	1.11	0.250
M0442 M0452	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.2500 / 1.2495	1.97	2.13	1.36	0.250
M0542 M0552	0.6250 / 0.6245	1.57	1.38	0.70	0.188	1.3750 / 1.3745	2.36	2.53	1.51	0.313
M0642 M0652	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					
M1142 M1152	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					

# SERIES M

## DIMENSIONS - C-FLANGE (B14) MOUNTING

### Column 9 Entry

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



### 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

# SERIES M

## 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 77°F, where units are to operate in other ambient temperatures thermal ratings must be adjusted by the following factors

### Ambient Temperature Modification 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

### Minimum Ratio - Position's 5 & 6

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

### 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

### 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.

# SERIES M

## FAN COOLED UNITS

### Column 10 Entry

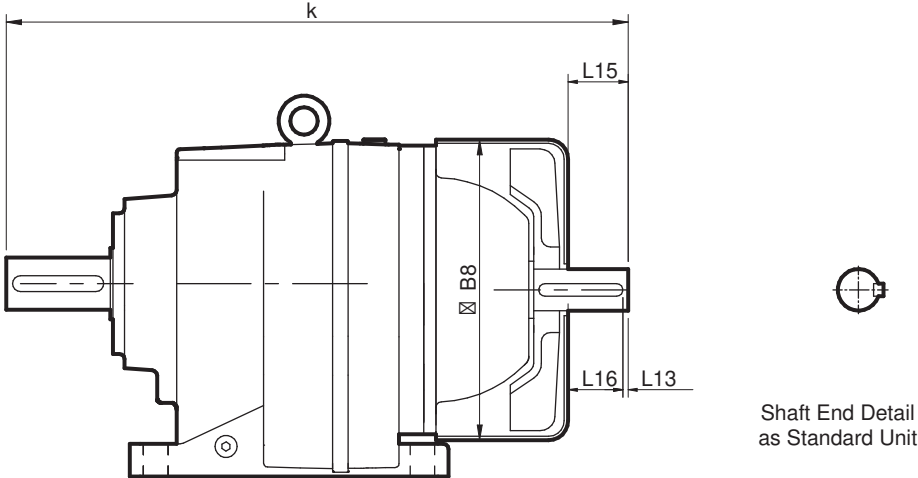
For reducer fan kit modules enter **S** in column 10

or if used in conjunction with a reducer backstop module kit

**Y** CW rotation

**Z** CCW rotation

### Dimensions of Fan Cooled Units



Size	$\text{Ø}B8$	$k$	$L15$
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

# SERIES M

## 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.

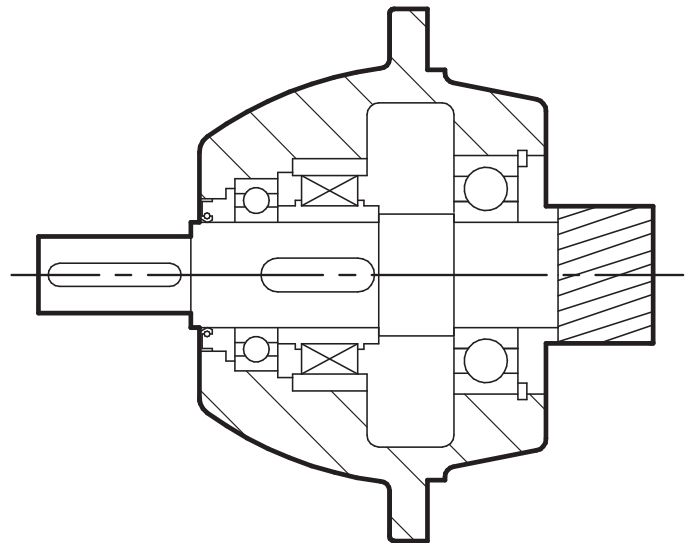
Suitable for ambient temperature -40°F to + 120°F

### 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)

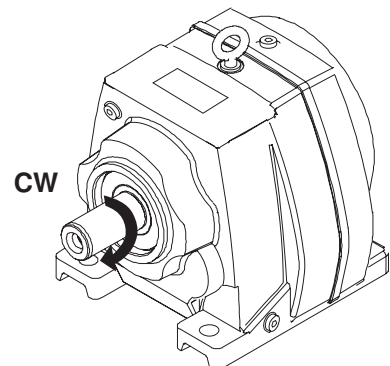
Size	Lift off speed 'n min' rpm	Rated locking torque 'T max' (at motor) lb.in
M0422	800	885
M0522	800	885
M0622	800	885
M0722	670	1505
M0732	800	885
M0822	670	2655
M0832	670	1505
M0922	620	8320
M0932	670	2655
M1022	670	11150
M1032	620	8320
M1322	590	12830
M1332	670	11150
M1422	590	12830
M1432	550	11150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



# SERIES M

## SHIPPING SPECIFICATION

### 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												
		Inc Motor												178												99
	215TC	Exc Motor												63												99
		Inc Motor												223												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								680	682						1735		
		Inc Motor	181	171	235	237		320	355	379									705	707						1760	
	143TC	Exc Motor	156	146	210	212		295	330	354									680	682						1735	
		Inc Motor	186	176	240	242		325	360	384									710	712						1765	
	145TC	Exc Motor	156	146	210	212		295	330	354									680	682						1735	
		Inc Motor	196	186	250	252		335	370	394									720	722						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			885	931			878	920				1447	1400			
	Inc Motor									1400	1446			1525	1571			1593	1635				2162	2115			
365TC	Exc Motor									685	731			885	931			878	920				1447	1400			
	Inc Motor									1525	1571			1718	1760			1718	1760				2287	2240			
404TC	Exc Motor									699	745			885	931			885	927				1450	1400			
	Inc Motor									1800	1805			1800	1805			1945	1987				2510	2460			
405TC	Exc Motor									699	745			885	931			885	927				1450	1400			
	Inc Motor									1900	1945			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

### 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 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.

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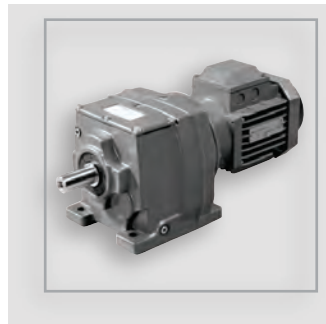
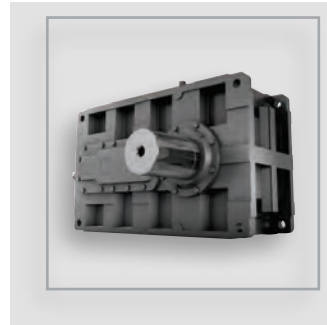
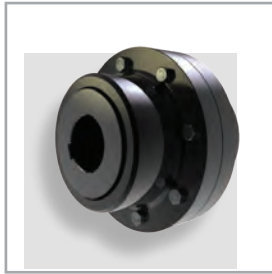
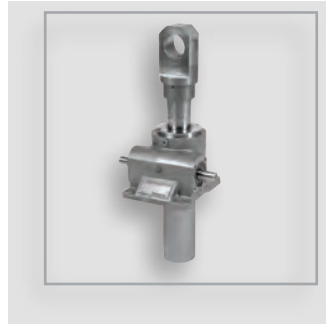
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