



UNLEASHING
POWER

UNLOCKING
VALUE



Series M
Helical Inline Geared Motor



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MOTORISED

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REDUCER

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GENERAL DESCRIPTION

Series M inline geared motors and reducers provide a very efficient and compact drive solution to meet most requirements up to 160kW with maximum output torque capacity of 20000Nm.

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.

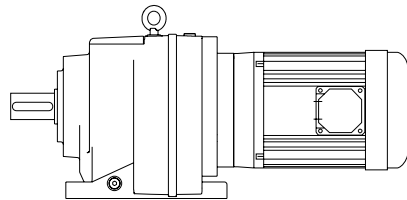
Unit Versions Available

Base or Flange Mounted

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

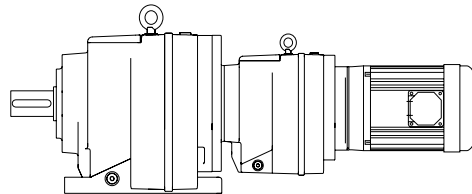
Design Features Include

- Patented standard motor connection (IEC).
- Ability to fit double oil seal at output as required.
- All units being suitable to fit IEC standard motors.
- All units are dimensionally interchangeable with other major manufacturers.
- Brake geared motors are available.
- Sizes 01, 02, 03, 04, 05, 06 and 07 are all supplied with lubricant.
- Sizes 08, 09, 10, 13, 14 and 16 are supplied without lubricant.
- Motorised units can be fitted with a backstop module and reducer units can be fitted with a backstop and fan.
- As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.*



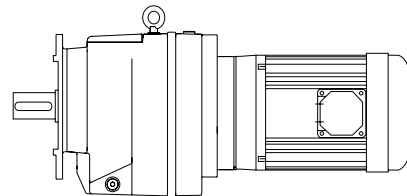
Two stage base mounted motorised

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



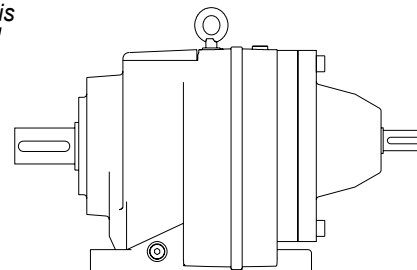
Four stage base mounted motorised

M	0	6	4	2	2	5	0	B	M	C	-	1	A	.	1	8	A	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



Three stage flange mounted motorised

M	0	6	3	2	1	2	5	L	M	C	-	1	A	.	7	5	A	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



Two stage base mounted reducer

M	0	7	2	2	7	1	.	B	R	C	-	1	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* Typical unit designations



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
M																			

Example*

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

1 - Series M

Range

2, 3 - Size of Unit

Through

4 - No of Reductions

Through

5 - Revision Version

6, 7, 8 - Nominal Overall Ratio

eg

9 - Unit Version

- Base Mounted
- B5 (D) Flange Mounted (entry dependant on flange size)
- B14 (C) Flange Mounting

10 - Type of Unit

- Motorised with IEC standard motor
- Unit to allow fitting of IEC motor (customer own motor)
- Reducer unit
- Reducer unit with fan kit
- Reducer unit with backstop CCW rotation
- Reducer unit with backstop CW rotation
- Reducer unit with fan and backstop CW rotation
- Reducer unit with fan and backstop CCW rotation

20 - Additional Gearbox Features

Double Oil Seal, Motorised Backstop Etc

eg

19 - Additional Motor Features

eg

For Types Without Motor

Enter

18 - No of Motor Poles

No motor

	50 Hz		60 Hz	
4 Pole (Std) 1500 rpm	<input type="text" value="A"/>	1800 rpm	<input type="text" value="B"/>	
4 Pole (High) 1500 rpm	<input type="text" value="K"/>	1800 rpm	<input type="text" value="L"/>	
6 Pole (Std) 1000 rpm	<input type="text" value="C"/>	1200 rpm	<input type="text" value="D"/>	
6 Pole (High) 1000 rpm	<input type="text" value="M"/>	1200 rpm	<input type="text" value="N"/>	
2 Pole 3000 rpm	<input type="text" value="E"/>	3600 rpm	<input type="text" value="F"/>	
8 Pole 750 rpm	<input type="text" value="G"/>	900 rpm	<input type="text" value="H"/>	

Dual speed or special motor

15, 16, 17 - Geared Motor Powers

Motor Power Required

eg

For reducer and non standard

motor types enter

13, 14 - Mounting Position

eg

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

For All Other Types Enter

11 - Output Shaft

- Standard

- Special

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

**EXPLANATION & USE OF RATINGS & SERVICE FACTORS**

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

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

Mechanical Ratings and Service Factors Fm and Fs

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

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

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

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

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

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

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

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

Table 1. Mechanical Service Factor (Fm)

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

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

* calculated with reference to the motor speed

Table 2. Number of Starts Factor (Fs)

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

Note: Intermediate values are obtained by linear interpolation



SERIES M

LOAD CLASSIFICATION BY APPLICATION

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

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

SELECTION PROCEDURE FOR MOTORISED UNITS

EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine = 0.7 kW
 Output speed of gearbox or Input speed of machine = 63 rev/min
 Application = Uniformly loaded belt conveyor
 Duration of service (hours per day) = 24hrs
 Mounting position = 1
 Ambient temperature = 20°C
 Running time (%) = 100%

2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUTSHAFT

$$\frac{\text{Absorbed output torque}}{\text{Gearbox output speed}} = \frac{\text{Absorbed power} \times 9550}{\text{Gearbox output speed}}$$

$$\frac{0.7 \times 9550}{63} = 106 \text{ Nm}$$

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		U = Uniform load
apron assembly	U	
belt	U	
bucket chain	U	

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 = 0.7 kW, therefore refer to 0.75 kW 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 = 63 rev/min

0.75 kW

4 POLE

N2	i	M2 Nm	Fm	N	UNIT DESIGNATION	kg	Motor Frame Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> - <input type="text" value="20"/> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
178	8.00	40	3.47	3417	M02228.0_M_...75A--	30	80
156	9.09	45	3.14	3425	M02229.0_M_...75A--	30	80
127	11.15	55	2.65	3506	M022211_M_...75A--	30	80
115	12.37	61	2.45	3565	M022212_M_...75A--	30	80
101	14.05	69	2.22	3734	M022214_M_...75A--	30	80
89	15.97	79	2.04	3926	M022216_M_...75A--	30	80
81	17.58	87	1.86	4000	M022218_M_...75A--	30	80
70	20.23	100	1.61	4000	M022220_M_...75A--	30	80
65	21.99	109	1.48	4000	M022222_M_...75A--	30	80
54	26.40	130	1.24	4000	M022228_M_...75A--	30	80

4 CHECK OUTPUT TORQUE

Output torque (M2) of selected unit must be equal or more than required output torque at gearbox outputshaft.
 Required output torque at gearbox outputshaft = 106 Nm

0.75 kW

4 POLE

N2	i	M2 Nm	Fm	N	UNIT DESIGNATION	kg	Motor Frame Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
178	8.00	40	3.47	3417	M02228.0_M_...75A--	30	80
156	9.09	45	3.14	3425	M02229.0_M_...75A--	30	80
127	11.15	55	2.65	3506	M022211_M_...75A--	30	80
115	12.37	61	2.45	3565	M022212_M_...75A--	30	80
101	14.05	69	2.22	3734	M022214_M_...75A--	30	80
89	15.97	79	2.04	3926	M022216_M_...75A--	30	80
81	17.58	87	1.86	4000	M022218_M_...75A--	30	80
70	20.23	100	1.61	4000	M022220_M_...75A--	30	80
65	21.99	109	1.48	4000	M022222_M_...75A--	30	80
54	26.40	130	1.24	4000	M022228_M_...75A--	30	80

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

0.75 kW		N2	i	M2 Nm	Fm	N	UNIT DESIGNATION	kg	
4 POLE		Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
	178	8.00	40	3.47	3417		M02228.0_M_...75A--	30	80
	156	9.09	45	3.14	3425		M02229.0_M_...75A--	30	80
	127	11.15	55	2.65	3506		M022211_M_...75A--	30	80
	115	12.37	61	2.45	3565		M022212_M_...75A--	30	80
	101	14.05	69	2.22	3734		M022214_M_...75A--	30	80
	89	15.97	79	2.04	3926		M022216_M_...75A--	30	80
	81	17.58	87	1.86	4000		M022218_M_...75A--	30	80
	70	20.23	100	1.61	4000		M022220_M_...75A--	30	80
	65	21.99	109	1.48	4000		M022222_M_...75A--	30	80
	54	26.40	130	1.24	4000		M022228_M_...75A--	30	80

Selected unit's service factor (Fm) = 1.48 therefore unit is acceptable.

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

0.75 kW		N2	i	M2 Nm	Fm	N	UNIT DESIGNATION	kg	
4 POLE		Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
	156	9.09	45	3.76	2707		M03229.0_M_...75A--	30	80
	127	11.15	55	3.28	2667		M032211_M_...75A--	30	80
	115	12.37	61	3.07	2749		M032212_M_...75A--	30	80
	101	14.05	69	2.81	2935		M032214_M_...75A--	30	80
	89	15.97	79	2.63	3148		M032216_M_...75A--	30	80
	81	17.58	87	2.42	3284		M032218_M_...75A--	30	80
	70	20.23	100	2.11	3496		M032220_M_...75A--	30	80
	65	21.99	109	1.94	3603		M032222_M_...75A--	30	80
	54	26.40	130	1.63	3366		M032228_M_...75A--	30	80
	45	31.68	157	1.35	3132		M032232_M_...75A--	30	80

Selected unit's service factor (Fm) = 1.94 therefore unit is acceptable.

6 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the outputshaft then refer to Overhung Loads Procedure, page 94, and compare with allowable overhung load (N) of selected unit

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

0.75 kW		N2	i	M2 Nm	Fm	N	UNIT DESIGNATION	kg	
4 POLE		Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
	178	8.00	40	3.47	3417		M02228.0_M_...75A--	30	80
	156	9.09	45	3.14	3425		M02229.0_M_...75A--	30	80
	127	11.15	55	2.65	3506		M022211_M_...75A--	30	80
	115	12.37	61	2.45	3565		M022212_M_...75A--	30	80
	101	14.05	69	2.22	3734		M022214_M_...75A--	30	80
	89	15.97	79	2.04	3926		M022216_M_...75A--	30	80
	81	17.58	87	1.86	4000		M022218_M_...75A--	30	80
	70	20.23	100	1.61	4000		M022220_M_...75A--	30	80
	65	21.99	109	1.48	4000		M022222_M_...75A--	30	80
	54	26.40	130	1.24	4000		M022228_M_...75A--	30	80

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

- a) Mass acceleration factor > 10
- b) Ambient temperature is above 40°C



Unit Versions Column 9 Entry

- B** - Base Mounted
- E** - Flange mount with B14 (C) Flange Mounting

Flange Mounted

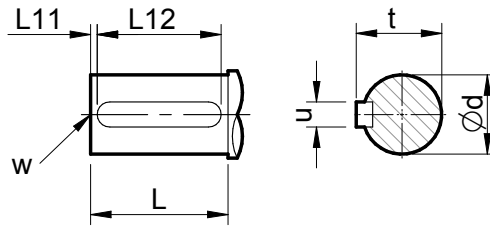
Letter Entry Depends on Flange Diameter See tables below

Flange Diameter	Column 9 Entry	Flange Diameter	Column 9 Entry
120	H	300	P
140	J	350	R
160	K	450	S
200	L	550	T
250	N	660	U

Size				Flange Dia	Column 9 Entry
Double	Triple	Quadruple	Quintuple		
M0122	M0132	-	-	120	H
				140	J
				160	K
				200	L
M0222	M0232	-	-	120	H
				140	J
				160	K
				200	L
M0322	M0332	M0342	M0352	120	H
				140	J
				160	K
				200	L
M0422	M0432	M0442	M0452	140	J
				160	K
				200	L
				250	N
M0522	M0532	M0542	M0552	140	J
				160	K
				200	L
				250	N
M0622	M0632	M0642	M0652	200	L
				250	N
				300	P
				200	L
M0722	M0732	M0742	M0752	250	N
				300	P
				300	P
				350	R
M0822	M0832	M0842	M0852	350	R
				450	S
M0922	M0932	M0942	M0951	350	R
				450	S
M1022	M1032	M1042	M1052	350	R
				450	S
M1322	M1322	M1342	M1352	450	S
				550	T
M1422	M1422	M1342	M1452	450	S
				550	T
M1622	M1632	M1642	M1652	550	T
				660	U

OUTPUT SHAFT OPTIONS

Outputshaft Options



Column 11 Entry

C Standard

Outputshaft options - double, triple, quadruple and quintuple reduction

Size	Output shaft	Column 11 entry	Dimensions in mm						
			ød	L	L11	L12	t	u	w
01	Standard	C	20.015 / 20.002	40	4	32	22.5	6	M6 x 16
02	Standard	C	25.015 / 25.002	50	4	40	28	8	M10 x 22
03	Standard	C	25.015 / 25.002	50	4	40	28	8	M10 x 22
04	Standard	C	30.015 / 30.002	60	4	50	33	8	M10 x 22
05	Standard	C	35.018 / 35.002	70	7	60	38	10	M12 x 28
06	Standard	C	35.018 / 35.002	70	7	60	38	10	M12 x 28
07	Standard	C	40.018 / 40.002	80	5	70	43	12	M16 x 36
08	Standard	C	50.018 / 50.002	100	10	80	53.5	14	M16 x 36
09	Standard	C	60.030 / 60.011	120	5	100	64	18	M20 x 42
10	Standard	C	70.030 / 70.011	140	7	110	74.5	20	M20 x 42
13	Standard	C	90.035 / 90.013	170	5	140	95	25	M24 x 50
14	Standard	C	110.035 / 110.013	210	10	180	116	28	M24 x 3.0, 50
16	Standard	C	120.035 / 120.13	210	5	200	127	32	M24 x 50



Double Reduction Units

Integral Motor 4 Pole - Column 19 Entry - I

Power	M0122	M0222	M0322	M0422	M0522	M0622	M0722	M0822							
	3.6 - 9.0	11. - 56.	3.6 - 14.	16. - 56.	3.6 - 14.	16. - 56.	3.6 - 11.	12. - 56.	3.6 - 11.	12. - 56.	5.0 - 12.	14. - 63.	3.6 - 9.0	11. - 56.	3.6 - 14.
0.25 Kw	•	•	•	•	•	•	•	•							
0.37 Kw	•	•	•	•	•	•	•	•							
0.55 Kw	•	•	•	•	•	•	•	•							
0.75 Kw	•	•	•	•	•	•	•	•							
1.1 Kw	•	•	•	•	•	•	•	•							
1.5 Kw	•	•	•	•	•	•	•	•							
2.2 Kw	•	•	•	•	•	•	•	•							
3.0 Kw	•	•	•	•	•	•	•	•							
4.0 Kw	•	•	•	•	•	•	•	•							
5.5 Kw	•	•	•	•	•	•	•	•							
7.5 Kw	•	•	•	•	•	•	•	•							

Standard Motor IEC B14- Column 12 entry

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

Standard Motor IEC B5- Column 12 entry

Motor	M0122	M0222	M0322	M0422	M0522	M0622	M0722	M0822	M0922	M1022	M1322	M1422	M1622												
	3.6 - 9.0	11. - 56.	3.6 - 14.	16. - 56.	3.6 - 14.	16. - 56.	3.6 - 11.	12. - 56.	3.6 - 11.	12. - 56.	5.0 - 12.	14. - 63.	3.6 - 9.0	11. - 56.	3.6 - 14.	16. - 56.	3.6 - 11.	12. - 56.	5.0 - 12.	14. - 63.	3.6 - 9.0	11. - 56.	3.6 - 14.	16. - 56.	
63	F	F	-	F	-	F	-	V	-	V	-	V	-	-	-	-	-	-	-	-	-	-	-	-	-
71	G	G	-	G	-	G	-	D	-	D	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
80	A	J	A	J	A	J	-	F	-	F	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
90	C	Q	C	Q	C	Q	-	H	-	H	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	A	-	A	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-
112	-	-	-	-	-	-	-	A	-	A	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-
132	-	-	-	-	-	-	-	N	-	N	-	N	-	-	-	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	Z	-	Z	-	Z	-	-	-	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	A	-	A	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	B	-	B	-	B	-	-	-	-	-	-	-	-	-	-	-	-	-
225	-	-	-	-	-	-	-	C	-	C	-	C	-	-	-	-	-	-	-	-	-	-	-	-	-
250	-	-	-	-	-	-	-	D	-	D	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
280	-	-	-	-	-	-	-	E	-	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-
315	-	-	-	-	-	-	-	F	-	F	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-



Triple Reduction Units

Integral Motor 4 Pole - Column 19 Entry - I

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
0.25 Kw	•	•	•	•	•	•	•	•	•
0.37 Kw	•	•	•	•	•	•	•	•	•
0.55 Kw	•	•	•	•	•	•	•	•	•
0.75 Kw	•	•	•	•	•	•	•	•	•
1.1 Kw	•	•	•	•	•	•	•	•	•
1.5 Kw	•	•	•	•	•	•	•	•	•
2.2 Kw	•	•	•	•	•	•	•	•	•
3.0 Kw	•	•	•	•	•	•	•	•	•
4.0 Kw	•	•	•	•	•	•	•	•	•
5.5 Kw	•	•	•	•	•	•	•	•	•
7.5 Kw	•	•	•	•	•	•	•	•	•

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	G	G
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

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	56. - 200	56. - 200	56. - 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	•	•	•	•	•	•	•
90	Q	Q	Q	Q	Q	Q	H	•	•	•	•	•	•	•
100	•	•	•	•	•	•	K	•	•	•	•	•	S	W
112	•	•	•	•	•	•	K	•	•	•	•	•	S	W
132	•	•	•	•	•	•	P	•	•	•	•	•	T	X
160	•	•	•	•	•	•	•	P	•	•	•	•	G	Z
180	•	•	•	•	•	•	•	•	•	•	•	•	H	P
200	•	•	•	•	•	•	•	•	•	L	•	•	J	Q
225	•	•	•	•	•	•	•	•	•	M	•	•	K	R
250	•	•	•	•	•	•	•	•	•	•	•	•	K	•
280	•	•	•	•	•	•	•	•	•	•	•	•	L	•



Quadruple Reduction Units

Integral Motor 4 Pole - Column 19 Entry - I

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
0.25 Kw	•	•	•	•	•	-	-	-	-	-
0.37 Kw	•	•	•	•	•	-	-	-	-	-
0.55 Kw	•	•	•	•	•	-	-	-	-	-
0.75 Kw	•	•	•	•	•	•	•	-	-	-
1.1 Kw	-	-	-	-	-	•	•	•	•	•
1.5 Kw	-	-	-	-	-	•	•	•	•	•
2.2 Kw	-	-	-	-	-	•	•	•	•	•
3.0 Kw	-	-	-	-	-	•	•	•	•	•
4.0 Kw	-	-	-	-	-	-	-	•	•	•
5.5 Kw	-	-	-	-	-	-	-	•	•	•
7.5 Kw	-	-	-	-	-	-	-	•	•	•

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

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



Quintuple Reduction Units

Integral Motor 4 Pole - Column 19 Entry - I

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
0.25 Kw	•	•	•	•	•	•	•	•	•	•	•
0.37 Kw	•	•	•	•	•	•	•	•	•	•	•
0.55 Kw	•	•	•	•	•	•	•	•	•	•	•
0.75 Kw	•	•	•	•	•	•	•	•	•	•	•
1.1 Kw	•	•	•	•	•	•	•	•	•	•	•
1.5 Kw	•	•	•	•	•	•	•	•	•	•	•
2.2 Kw	•	•	•	•	•	•	•	•	•	•	•
3.0 Kw	•	•	•	•	•	•	•	•	•	•	•

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	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

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	F
100	•	•	•	•	•	•	•	K	K	K	F
112	•	•	•	•	•	•	•	K	K	K	F
132	•	•	•	•	•	•	•	P	P	P	G
160	•	•	•	•	•	•	•	•	•	•	H



M01,M02,M03,M04,M05,M06,& M07 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.

M08,M09,M10,M13, M14 & M16 Units, require filling with EP mineral oil (Grade 6E)
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. If the unit is supplied without lubricant the unit must be filled with the correct lubricant and quantity.

Temperature limitations

The standard lubricant is suitable for operation in ambient temperatures of 0° to 35°C, outside of this consult table 1 or application engineers.

Table 1 oil grades

Lubricant	Ambient temperature range		
	5°C - 20°C (E) -30°C - 20°C (H)	0°C - 35°C	20°C - 50°C
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 Lubrication quantity (litres)

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	0.5	0.8	0.8	1.5	1.5	2.0	2.6	4.2	9.0	13.7	18.0	23.0	52
	2	0.8	1.2	1.2	1.8	1.8	2.0	2.9	6.3	10.5	17.0	23.0	41.0	66
	3	0.6	0.7	0.7	1.6	1.6	1.9	2.7	5.4	11.5	19.0	24.0	44.0	70
	4	0.8	1.2	1.2	1.8	1.8	1.7	3.0	7.3	13.5	22.0	35.0	53.0	82
	5	0.7	1.1	1.1	2.0	2.0	2.2	3.2	6.8	17.5	30.0	40.0	54.0	94
	6	1.0	1.4	1.4	2.6	2.6	2.8	4.7	9.3	17.5	32.5	41.0	60.0	112

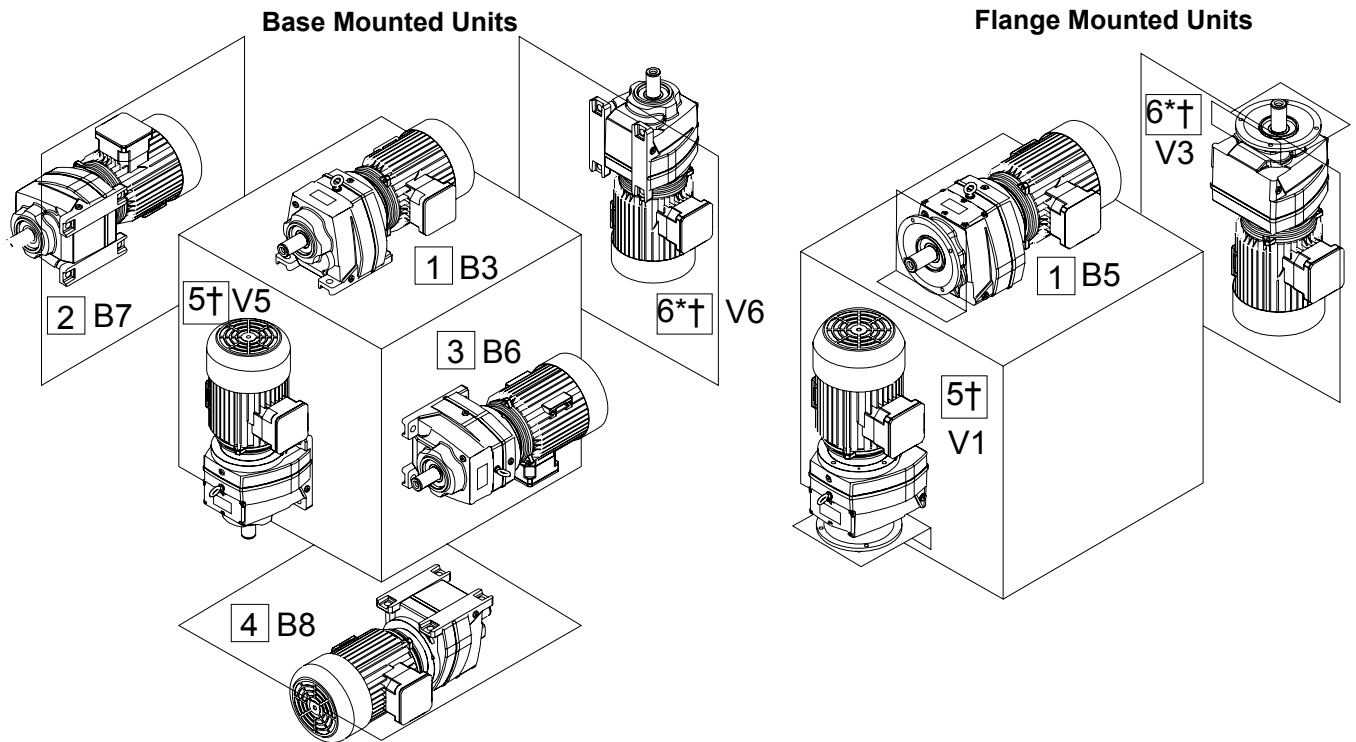
Size	M0132	M0232	M0332	M0432	M0532	M0632	M0732	M0832	M0932	M1032	M1332	M1432	M1632	
Mounting Position	1	0.6	0.8	0.8	1.6	1.6	2.1	2.7	4.4	10.0	15.0	19.0	54	
	2	0.9	1.3	1.3	1.9	1.9	2.1	3.0	6.5	11.0	19.0	25.0	68	
	3	0.7	0.7	0.7	1.7	1.7	2.0	2.8	5.6	12.0	21.0	26.0	72	
	4	0.9	1.2	1.2	1.9	1.9	1.8	3.1	7.5	14.0	25.0	37.5	56.0	97
	5	0.7	1.1	1.1	2.1	2.1	2.3	3.3	6.8	17.5	30.0	40.0	54.0	94
	6	1.1	1.6	1.6	2.7	2.7	2.9	4.8	9.7	18.0	35.0	44.0	63.0	115

Primary stage quadruple reduction (Quantities obtained from above double and triple sizes indicated)											
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)											
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	M1632

MOUNTING POSITIONS

Column 13 Entry

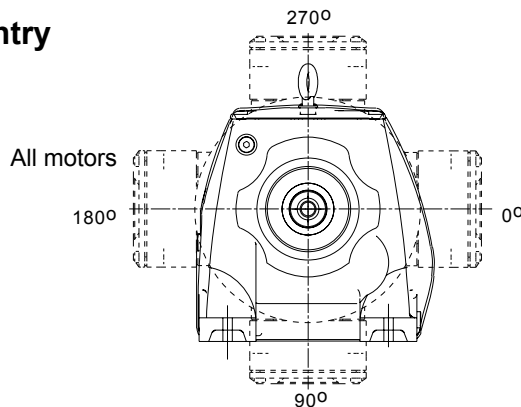


* Mounting Position 6 is not recommended for Geared Motors - Consult Application Engineering
 † Gear Units selected for use in mounting positions 5 and 6 should only be used with overall ratios greater or equal to those shown in the table below

Size	Input Speed (rpm)			
	< 1000	< 1500	< 1800	> 1800
M01 - M08	All	All	All	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	12.0	18.0	22.0	
M16	12.0	18.0	22.0	

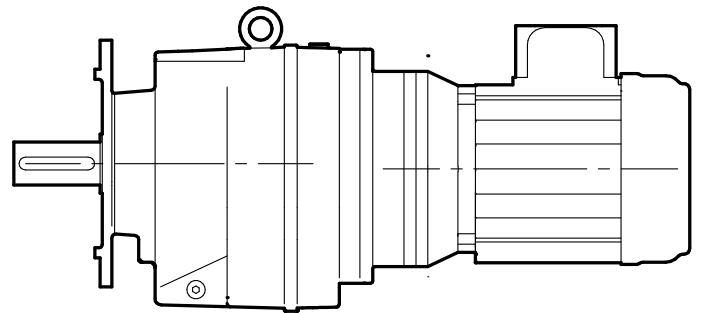
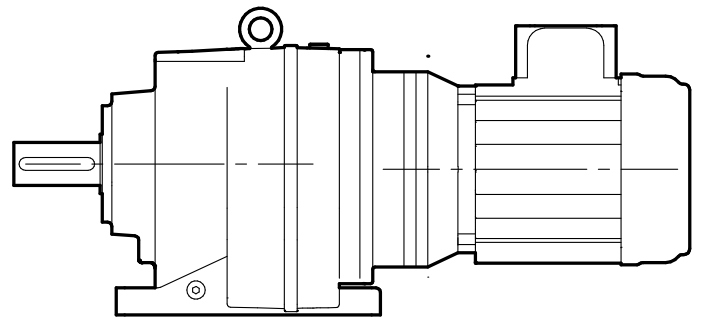
Mounting Positions - shown as motorised - applies also for reducers

Column 14 Entry



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

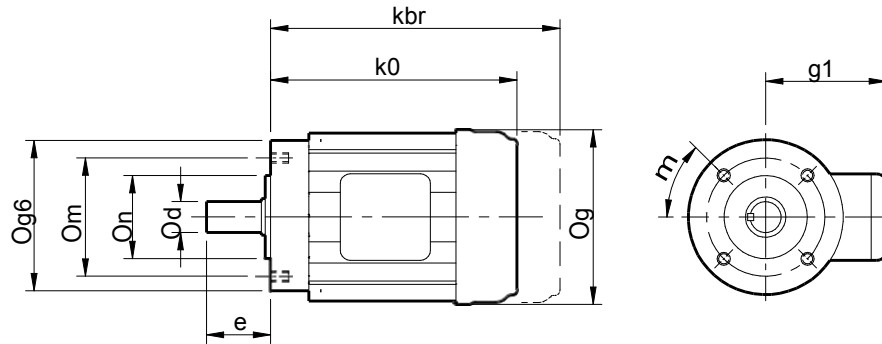




MOTORISED SERIES M

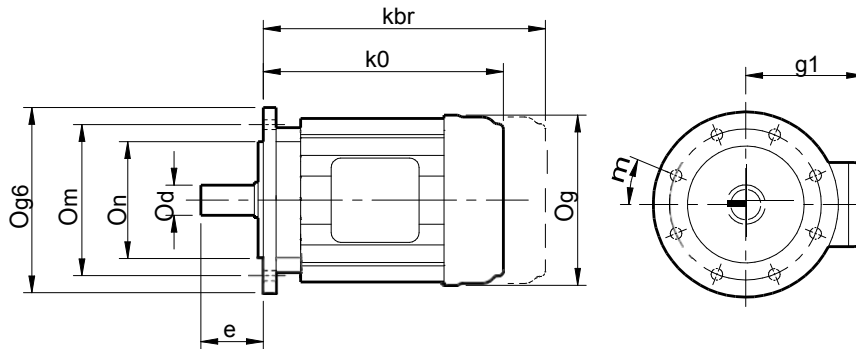


B14 'C' face



Size	øg6	øm	øn	ød	e	ko	kbr	øg	g1	m	øs
71	105	85	70	14	30	220	270	140	105	45 deg	4xM6
80	120	100	80	19	40	240	290	158	122	45 deg	4xM6
90S	140	115	95	24	50	260	310	180	129	45 deg	4xM8
90L	140	115	95	24	50	280	330	180	129	45 deg	4xM8
100L	160	130	110	28	60	310	375	198	152	45 deg	4xM8
112M	160	130	110	28	60	330	405	222	165	45 deg	4xM8
132S	200	165	130	38	80	380	475	260	185	45 deg	4xM10
132M	200	165	130	38	80	420	505	260	185	45 deg	4xM10

B5 'D' face



Size	øg6	øm	øn	ød	e	ko	kbr	øg	g1	m	øs
63	140	115	95	11	23	183	260	124	100	45 deg	4xM8
71	160	130	110	14	30	210	270	140	105	45 deg	4xM8
80	200	165	130	19	40	237	290	158	122	45 deg	4xM10
90S	200	165	130	24	50	247	310	180	129	45 deg	4xM10
90L	200	165	130	24	50	272	330	180	129	45 deg	4xM10
100L	250	215	180	28	60	306	375	198	152	45 deg	4xM12
112M	250	215	180	28	60	329	405	222	165	45 deg	4xM12
132S	300	265	230	38	80	357	475	262	185	45 deg	4xM12
132M	300	265	230	38	80	395	505	262	185	45 deg	4xM12
160M	350	300	250	42	110	466	565	311	211	45 deg	4xM16
160L	350	300	250	42	110	510	615	311	211	45 deg	4xM16
180M	350	300	250	48	110	533	-	336	233	45 deg	4xM16
180L	350	300	250	48	110	571	-	336	233	45 deg	4xM16
200L	400	350	300	55	110	650	-	395	276	45 deg	4xM16
225S	450	400	350	60	140	695	-	435	297	22.5 deg	8xM16
225M	450	400	350	60	140	695	-	435	297	22.5 deg	8xM16
250M	550	500	450	65	140	790	-	485	382	22.5 deg	8xM16
280S	550	500	450	75	140	890	-	540	418	22.5 deg	8xM16
280M	550	500	450	75	140	890	-	540	418	22.5 deg	8xM16
315S	660	600	550	80	170	1045	-	620	452	22.5 deg	8xM20
315M	660	600	550	80	170	1045	-	620	452	22.5 deg	8xM20
315L	660	600	550	80	170	1185	-	620	452	22.5 deg	8xM20

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



SERIES M

ADDITIONAL MOTOR FEATURES

RADICON POWERBUILD motor features - Column 19 Entry	
Column 19 Entry	Feature
A	Standard Motor
B	Brake Moter (with MRL)
C	Flame Proof (Consult PBL Design for Detail)
D	Brake + Flame Proof (Consult PBL Design for Detail)
E	Non Std. Voltage
F	Non std. Frequency
G	Non Std. Voltage And Frequency
H	Crane Duty Motor
I	Integral Motor
J	Crane duty + Brake Motor + VVFD
K	VVFD + Brake Option
L	VVFD Only
M	IE 2/Eff 1
N	Dual Speed
V	Crane duty + Brake Motor
W	NDE shaft extrn.
O	Special feature except all above
S	Special Motor (Other than above)

Standard motor consists of 3Ø, Squirrel Cage, 415 V+/-10%, 50 Hz +/-5%, TEFC, IP 55, S1 Duty, Amb. Temp. 50° C, F Class Insulation limited to B Class



SERIES M ADDITIONAL GEARBOX FEATURES

Additional Gearbox Features - Column 20 Entry

Column 20 entry	Double output-shaft oil seals*	Motorised Backstop ***		Special
		CW Rotation	CCW Rotation	
-				
A	•			
D		•		
E	•	•		
H			•	
I	•		•	
L				•

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

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

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

*** IEC frame sizes 100 - 200.



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



Exact Ratios - Quadruple Reduction

Column Entry			M0342	M0442	M0542	M0642	M0742	M0842	M0942	M1042	M1342	M1442	M1642
6	7	8											
225			235.0	232.8	232.8	-	229.0	229.0	231.8	220.2	224.9	228.4	228.8
250			261.4	260.5	260.5	-	259.7	259.7	258.1	254.6	258.4	262.4	264.6
280			287.8	277.6	277.6	272.9	286.5	286.5	286.7	278.4	289.2	276.9	285.8
300			317.3	305.7	305.7	313.9	315.4	315.4	300.2	309.3	323.2	337.7	323.5
360			365.0	362.3	362.3	365.1	361.2	361.2	358.0	365.6	370.1	352.5	360.1
400			401.7	416.8	416.8	396.9	415.5	415.5	397.7	398.7	418.5	405.1	400.1
450			436.7	445.0	445.0	444.1	469.8	469.8	452.9	457.2	483.0	459.3	445.4
500			511.7	483.8	483.8	533.1	510.7	510.7	503.2	500.9	546.1	506.6	504.2
650			614.2	600.3	600.3	568.2	592.1	592.1	665.8	635.7	664.2	656.0	646.7
730			736.9	720.7	720.7	681.9	710.8	710.8	736.4	728.0	729.1	754.3	718.5
860			884.3	849.8	849.8	808.1	847.8	847.8	882.1	844.7	860.0	852.9	858.7
10C			1031	1020	1020	972.2	1017	1017	1040	987.8	997.1	997.5	1015
11C			1161	1117	1117	1130	1114	1114	1139	1107	1068	1156	1120
13C			1291	1258	1258	1402	1255	1255	1257	1321	1302	1292	1338
15C			1500	1542	1542	1592	1506	1506	1528	1496	1521	1511	1504
18C			1807	1792	1792	1877	1751	1751	1873	1736	1798	1813	1842
20C			2051	1998	1998	2055	2015	2015	2087	1997	1798	1981	1953
24C			2350	2268	2268	2337	2287	2287	2341	2327	2334	2445	2486
27C			2671	2578	2578	2519	2600	2600	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	2619	2700	2748	2735	2739	2744
32C			3068	3095	3095	3088	3053	3053	3240	3247	3150	3286	3181
36C			3681	3650	3650	3832	3641	3641	3651	3578	3670	3598	3494
40C			4091	4055	4055	4258	4046	4046	4131	3979	4091	3943	3666
46C			4609	4440	4440	5021	4431	4431	4655	4515	4588	4678	4812
55C			5550	5347	5347	6046	5335	5335	5563	5533	6443	5471	5775
65C			6452	6553	6553	6620	6403	6403	6577	6420	7226	6390	6440
74C			7396	7511	7511	7588	7339	7339	7444	7483	7527	7473	7728
84C			8394	8372	8372	8624	8443	8443	8449	8340	8441	8381	8899
95C			9540	9514	9514	9300	9596	9596	9605	9353	9895	9827	-
10K			10845	10670	10670	10569	10662	10662	10801	10049	10527	11024	-



SELECTION TABLES

0.12 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
363	3.75	3.1	19.46	1719	M01223.6_M_-.12A--	18	63
268	5.07	4.2	16.34	1795	M01225.0_M_-.12A--	18	63
236	5.76	4.8	15.24	1835	M01225.6_M_-.12A--	18	63
208	6.53	5.4	14.07	1859	M01226.3_M_-.12A--	18	63
163	8.35	6.9	11.65	1900	M01228.0_M_-.12A--	18	63
151	9.00	7.4	10.94	1900	M01229.0_M_-.12A--	18	63
120	11.36	9.4	9.07	1900	M012211_M_-.12A--	18	63
106	12.88	11	8.29	1900	M012212_M_-.12A--	18	63
92	14.71	12	7.48	1900	M012214_M_-.12A--	18	63
83	16.37	14	6.75	1900	M012216_M_-.12A--	18	63
75	18.05	15	6.11	1900	M012218_M_-.12A--	18	63
68	19.86	16	5.56	1900	M012220_M_-.12A--	18	63
58	23.27	19	4.74	1900	M012222_M_-.12A--	18	63
49	27.92	23	3.96	1900	M012228_M_-.12A--	18	63
42	32.54	27	3.41	1900	M012232_M_-.12A--	18	63
38	36.16	30	3.07	1900	M012236_M_-.12A--	18	63
31	43.54	36	2.38	1900	M012245_M_-.12A--	18	63
27	49.91	41	1.78	1900	M012250_M_-.12A--	18	63
24	56.72	47	1.54	1900	M012256_M_-.12A--	18	63
23	58.46	48	1.93	1900	M013256_M_-.12A--	19	63
21	64.45	53	1.75	1900	M013263_M_-.12A--	19	63
19	70.93	58	1.59	1900	M013271_M_-.12A--	19	63
16	83.10	68	1.36	1900	M013280_M_-.12A--	19	63
14	99.70	81	1.13	1900	M0132100_M_-.12A--	19	63
12	116.2	95	0.97	1900	M0132112_M_-.12A--	19	63
11	129.1	106	0.88	1900	M0132125_M_-.12A--	19	63
25	53.54	44	3.69	4000	M022256_M_-.12A--	20	63
24	57.03	47	3.50	4000	M023256_M_-.12A--	22	63
22	62.87	51	3.17	4000	M023263_M_-.12A--	22	63
20	69.19	57	2.88	4000	M023271_M_-.12A--	22	63
17	81.07	66	2.46	4000	M023280_M_-.12A--	22	63
14	97.26	79	2.06	4000	M0232100_M_-.12A--	22	63
12	113.37	93	1.77	4000	M0232112_M_-.12A--	22	63
11	125.97	103	1.59	4000	M0232125_M_-.12A--	22	63
9.0	151.69	124	1.32	4000	M0232160_M_-.12A--	22	63
7.8	173.87	142	1.15	4000	M0232180_M_-.12A--	22	63
6.9	197.60	162	1.02	4000	M0232200_M_-.12A--	22	63
20	69.19	57	3.77	4000	M033271_M_-.12A--	22	63
17	81.07	67	3.22	4000	M033280_M_-.12A--	22	63
14	97.26	80	2.69	4000	M0332100_M_-.12A--	22	63
12	113.37	93	2.31	4000	M0332112_M_-.12A--	22	63
11	125.97	104	2.08	4000	M0332125_M_-.12A--	22	63
9.0	151.69	125	1.72	4000	M0332160_M_-.12A--	22	63
7.8	173.87	143	1.51	4000	M0332180_M_-.12A--	22	63
6.9	197.60	163	1.33	4000	M0332200_M_-.12A--	22	63
5.8	234.96	189	1.15	4000	M0342225_M_-.12A--	30	63
5.2	261.37	210	1.03	4000	M0342250_M_-.12A--	30	63
4.7	287.83	232	0.94	4000	M0342280_M_-.12A--	30	63
4.3	317.33	255	0.85	4000	M0342300_M_-.12A--	30	63
12	115.82	95	3.64	7200	M0432112_M_-.12A--	32	63
10	130.50	107	3.24	7200	M0432125_M_-.12A--	32	63
9.0	151.71	124	2.78	7200	M0432160_M_-.12A--	32	63
7.9	172.19	141	2.45	7200	M0432180_M_-.12A--	32	63
6.9	195.75	160	2.16	7200	M0432200_M_-.12A--	32	63
9.0	151.71	124	3.70	7200	M0532160_M_-.12A--	32	63
7.9	172.19	141	3.26	7200	M0532180_M_-.12A--	32	63
6.9	195.75	160	2.87	7200	M0532200_M_-.12A--	32	63
6.4	213.18	174	3.66	7200	M0632200_M_-.12A--	37	63
5.6	242.36	198	3.02	7200	M0632225_M_-.12A--	37	63

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



SELECTION TABLES

0.12 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
240	3.75	4.7	14.53	1812	M01223.6_M_._.12C--	18	63
178	5.07	6.3	12.01	1893	M01225.0_M_._.12C--	18	63
156	5.76	7.2	10.85	1900	M01225.6_M_._.12C--	18	63
138	6.53	8.1	9.82	1900	M01226.3_M_._.12C--	18	63
108	8.35	10	8.16	1900	M01228.0_M_._.12C--	18	63
100	9.00	11	7.75	1900	M01229.0_M_._.12C--	18	63
79	11.36	14	6.35	1900	M012211_M_._.12C--	18	63
70	12.88	16	5.60	1900	M012212_M_._.12C--	18	63
61	14.71	18	4.90	1900	M012214_M_._.12C--	18	63
55	16.37	20	4.41	1900	M012216_M_._.12C--	18	63
50	18.05	23	4.00	1900	M012218_M_._.12C--	18	63
45	19.86	25	3.63	1900	M012220_M_._.12C--	18	63
39	23.27	29	3.10	1900	M012222_M_._.12C--	18	63
32	27.92	35	2.58	1900	M012228_M_._.12C--	18	63
28	32.54	41	2.22	1900	M012232_M_._.12C--	18	63
25	36.16	45	1.99	1900	M012236_M_._.12C--	18	63
21	43.54	54	1.55	1900	M012245_M_._.12C--	18	63
18	49.91	62	1.16	1900	M012250_M_._.12C--	18	63
16	56.72	71	1.00	1900	M012256_M_._.12C--	18	63
15	58.46	72	1.25	1900	M013256_M_._.12C--	19	63
14	64.45	80	1.13	1900	M013263_M_._.12C--	19	63
13	70.93	88	1.03	1900	M013271_M_._.12C--	19	63
11	83.10	103	0.88	1900	M013280_M_._.12C--	19	63
25	35.69	45	3.59	4000	M022236_M_._.12C--	20	63
22	41.49	52	3.09	4000	M022245_M_._.12C--	20	63
19	47.09	59	2.72	4000	M022250_M_._.12C--	20	63
17	53.54	67	2.39	4000	M022256_M_._.12C--	20	63
16	57.03	70	2.27	4000	M023256_M_._.12C--	22	63
14	62.87	78	2.06	4000	M023263_M_._.12C--	22	63
13	69.19	85	1.87	4000	M023271_M_._.12C--	22	63
11	81.07	100	1.60	4000	M023280_M_._.12C--	22	63
9.3	97.26	120	1.33	4000	M0232100_M_._.12C--	22	63
7.9	113.37	140	1.14	4000	M0232112_M_._.12C--	22	63
7.1	125.97	156	1.03	4000	M0232125_M_._.12C--	22	63
5.9	151.69	187	0.85	4000	M0232160_M_._.12C--	22	63
16	57.03	70	2.98	4000	M033256_M_._.12C--	22	63
14	62.87	78	2.70	4000	M033263_M_._.12C--	22	63
13	69.19	85	2.46	4000	M033271_M_._.12C--	22	63
11	81.07	100	2.10	4000	M033280_M_._.12C--	22	63
9.3	97.26	120	1.75	4000	M0332100_M_._.12C--	22	63
7.9	113.37	140	1.50	4000	M0332112_M_._.12C--	22	63
7.1	125.97	156	1.35	4000	M0332125_M_._.12C--	22	63
5.9	151.69	187	1.12	4000	M0332160_M_._.12C--	22	63
5.2	173.87	215	0.98	4000	M0332180_M_._.12C--	22	63
4.6	197.60	244	0.86	4000	M0332200_M_._.12C--	22	63
12	73.95	91	3.72	7200	M043271_M_._.12C--	32	63
11	80.40	99	3.42	7200	M043280_M_._.12C--	32	63
9.3	96.52	119	2.85	7200	M0432100_M_._.12C--	32	63
7.8	115.82	143	2.38	7200	M0432112_M_._.12C--	32	63
6.9	130.50	161	2.11	7200	M0432125_M_._.12C--	32	63
5.9	151.71	187	1.81	7200	M0432160_M_._.12C--	32	63
5.2	172.19	213	1.60	7200	M0432180_M_._.12C--	32	63
4.6	195.75	242	1.41	7200	M0432200_M_._.12C--	32	63
9.3	96.52	119	3.77	7200	M0532100_M_._.12C--	32	63
7.8	115.82	143	3.15	7200	M0532112_M_._.12C--	32	63
6.9	130.50	161	2.79	7200	M0532125_M_._.12C--	32	63
5.9	151.71	187	2.40	7200	M0532160_M_._.12C--	32	63
5.2	172.19	213	2.12	7200	M0532180_M_._.12C--	32	63
4.6	195.75	242	1.86	7200	M0532200_M_._.12C--	32	63
6.3	143.39	177	3.53	7200	M0632125_M_._.12C--	37	63
5.6	161.57	200	3.13	7200	M0632160_M_._.12C--	37	63
4.8	187.83	232	2.69	7200	M0632180_M_._.12C--	37	63
4.2	213.18	263	2.37	7200	M0632200_M_._.12C--	37	63
3.7	242.36	299	2.08	7200	M0632225_M_._.12C--	37	63

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



SELECTION TABLES

0.18 kW

4 POLE

NOTE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
365	3.75	4.6	13.07	1645	M01223.6_M_-.18A--	18	63
270	5.07	6.2	10.97	1718	M01225.0_M_-.18A--	18	63
238	5.76	7.1	10.24	1757	M01225.6_M_-.18A--	18	63
210	6.53	8.0	9.45	1780	M01226.3_M_-.18A--	18	63
164	8.35	10	7.82	1843	M01228.0_M_-.18A--	18	63
152	9.00	11	7.35	1856	M01229.0_M_-.18A--	18	63
121	11.36	14	6.09	1900	M012211_M_-.18A--	18	63
106	12.88	16	5.56	1900	M012212_M_-.18A--	18	63
93	14.71	18	5.02	1900	M012214_M_-.18A--	18	63
84	16.37	20	4.53	1900	M012216_M_-.18A--	18	63
76	18.05	22	4.10	1900	M012218_M_-.18A--	18	63
69	19.86	24	3.73	1900	M012220_M_-.18A--	18	63
59	23.27	29	3.19	1900	M012222_M_-.18A--	18	63
49	27.92	34	2.66	1900	M012228_M_-.18A--	18	63
42	32.54	40	2.29	1900	M012232_M_-.18A--	18	63
38	36.16	44	2.06	1900	M012236_M_-.18A--	18	63
31	43.54	54	1.60	1900	M012245_M_-.18A--	18	63
27	49.91	61	1.20	1900	M012250_M_-.18A--	18	63
24	56.72	70	1.03	1900	M012256_M_-.18A--	18	63
23	58.46	71	1.30	1900	M013256_M_-.18A--	19	63
21	64.45	78	1.18	1900	M013263_M_-.18A--	19	63
19	70.93	86	1.07	1900	M013271_M_-.18A--	19	63
16	83.10	101	0.91	1900	M013280_M_-.18A--	19	63
38	35.69	44	3.72	4000	M022236_M_-.18A--	20	63
33	41.49	51	3.19	4000	M022245_M_-.18A--	20	63
29	47.09	58	2.81	4000	M022250_M_-.18A--	20	63
26	53.54	66	2.48	4000	M022256_M_-.18A--	20	63
24	57.03	69	2.35	4000	M023256_M_-.18A--	22	63
22	62.87	77	2.13	4000	M023263_M_-.18A--	22	63
20	69.19	84	1.94	4000	M023271_M_-.18A--	22	63
17	81.07	99	1.65	4000	M023280_M_-.18A--	22	63
14	97.26	118	1.38	4000	M0232100_M_-.18A--	22	63
12	113.37	138	1.19	4000	M0232112_M_-.18A--	22	63
11	125.97	153	1.07	4000	M0232125_M_-.18A--	22	63
9.0	151.69	185	0.89	3949	M0232160_M_-.18A--	22	63
33	41.49	51	3.96	4000	M032245_M_-.18A--	20	63
29	47.09	58	3.57	4000	M032250_M_-.18A--	20	63
26	53.54	66	3.19	4000	M032256_M_-.18A--	20	63
24	57.03	69	3.07	4000	M033256_M_-.18A--	22	63
22	62.87	77	2.78	4000	M033263_M_-.18A--	22	63
20	69.19	84	2.53	4000	M033271_M_-.18A--	22	63
17	81.07	99	2.16	4000	M033280_M_-.18A--	22	63
14	97.26	118	1.81	4000	M0332100_M_-.18A--	22	63
12	113.37	138	1.55	4000	M0332112_M_-.18A--	22	63
11	125.97	153	1.40	4000	M0332125_M_-.18A--	22	63
9.0	151.69	185	1.15	4000	M0332160_M_-.18A--	22	63
7.9	173.87	212	1.01	4000	M0332180_M_-.18A--	22	63
6.9	197.60	240	0.89	4000	M0332200_M_-.18A--	22	63
19	73.95	90	3.82	7200	M043271_M_-.18A--	32	63
17	80.40	98	3.51	7200	M043280_M_-.18A--	32	63
14	96.52	117	2.93	7200	M0432100_M_-.18A--	32	63
12	115.82	141	2.45	7200	M0432112_M_-.18A--	32	63
10	130.50	159	2.17	7200	M0432125_M_-.18A--	32	63
9.0	151.71	185	1.87	7200	M0432160_M_-.18A--	32	63
8.0	172.19	210	1.65	7200	M0432180_M_-.18A--	32	63
7.0	195.75	238	1.45	7200	M0432200_M_-.18A--	32	63
5.9	232.81	279	1.25	7200	M0442225_M_-.18A--	42	63
5.3	260.47	312	1.12	7200	M0442250_M_-.18A--	42	63
4.9	277.62	333	1.06	7200	M0442280_M_-.18A--	42	63
4.5	305.72	366	0.96	7200	M0442300_M_-.18A--	42	63
3.8	362.32	434	0.81	7200	M0442360_M_-.18A--	42	63
14	96.52	117	3.89	7200	M0532100_M_-.18A--	32	63
12	115.82	141	3.25	7200	M0532112_M_-.18A--	32	63
10	130.50	159	2.89	7200	M0532125_M_-.18A--	32	63
9.0	151.71	185	2.48	7200	M0532160_M_-.18A--	32	63
8.0	172.19	210	2.19	7200	M0532180_M_-.18A--	32	63
7.0	195.75	238	1.93	7200	M0532200_M_-.18A--	32	63



SELECTION TABLES

0.18 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
5.9	232.81	279	1.66	7200	M0542225_M_-.18A--	42	63
5.3	260.47	312	1.49	7200	M0542250_M_-.18A--	42	63
4.9	277.62	333	1.40	7200	M0542280_M_-.18A--	42	63
4.5	305.72	366	1.27	7200	M0542300_M_-.18A--	42	63
3.8	362.32	434	1.07	7200	M0542360_M_-.18A--	42	63
3.3	416.75	499	0.93	7200	M0542400_M_-.18A--	42	63
3.1	444.96	533	0.87	7200	M0542450_M_-.18A--	42	63
2.8	483.76	580	0.80	7200	M0542500_M_-.18A--	42	63
10	143.39	175	3.58	7200	M0632125_M_-.18A--	37	63
8.5	161.57	197	3.24	7200	M0632160_M_-.18A--	37	63
7.3	187.83	229	2.79	7200	M0632180_M_-.18A--	37	63
6.4	213.18	259	2.46	7200	M0632200_M_-.18A--	37	63
5.7	242.36	295	2.03	7200	M0632225_M_-.18A--	37	63
5.0	272.91	327	1.91	7200	M0642280_M_-.18A--	48	63
4.4	313.91	376	1.66	7200	M0642300_M_-.18A--	48	63
3.8	365.10	437	1.43	7200	M0642360_M_-.18A--	48	63
3.5	396.93	476	1.31	7200	M0642400_M_-.18A--	48	63
3.1	444.10	532	1.21	7200	M0642450_M_-.18A--	48	63
2.6	533.13	639	1.01	7200	M0642500_M_-.18A--	48	63
2.4	568.23	681	0.95	7200	M0642650_M_-.18A--	48	63
6.0	229.00	274	3.24	9200	M0742225_M_-.18A--	56	63
5.3	259.68	311	2.86	9200	M0742250_M_-.18A--	56	63
4.8	286.42	343	2.59	9200	M0742280_M_-.18A--	56	63
4.3	315.41	378	2.35	9200	M0742300_M_-.18A--	56	63
3.8	361.21	433	2.06	9200	M0742360_M_-.18A--	56	63
3.3	415.49	498	1.79	9200	M0742400_M_-.18A--	56	63
2.9	469.77	563	1.59	9200	M0742450_M_-.18A--	56	63
2.7	510.72	612	1.46	9200	M0742500_M_-.18A--	56	63
2.3	592.12	710	1.26	9200	M0742650_M_-.18A--	56	63
1.9	710.84	852	1.05	9200	M0742730_M_-.18A--	56	63
1.6	847.84	1016	0.89	9200	M0742860_M_-.18A--	56	63
245	3.75	6.9	9.90	1737	M01223.6_M_-.18C--	20	71
181	5.07	9.3	8.19	1815	M01225.0_M_-.18C--	20	71
160	5.76	10.5	7.40	1844	M01225.6_M_-.18C--	20	71
141	6.53	12.0	6.69	1873	M01226.3_M_-.18C--	20	71
110	8.35	15.3	5.56	1900	M01228.0_M_-.18C--	20	71
102	9.00	16.5	5.28	1900	M01229.0_M_-.18C--	20	71
81	11.36	20.8	4.33	1900	M012211_M_-.18C--	20	71
71	12.88	23.6	3.82	1900	M012212_M_-.18C--	20	71
63	14.71	26.9	3.34	1900	M012214_M_-.18C--	20	71
56	16.37	30.0	3.00	1900	M012216_M_-.18C--	20	71
51	18.05	33.1	2.72	1900	M012218_M_-.18C--	20	71
46	19.86	36.4	2.47	1900	M012220_M_-.18C--	20	71
40	23.27	42.6	2.11	1900	M012222_M_-.18C--	20	71
33	27.92	51.1	1.76	1900	M012228_M_-.18C--	20	71
28	32.54	59.6	1.51	1900	M012232_M_-.18C--	20	71
25	36.16	66.2	1.36	1900	M012236_M_-.18C--	20	71
21	43.54	79.7	1.05	1900	M012245_M_-.18C--	20	71
35	26.40	48.3	3.31	4000	M022228_M_-.18C--	23	71
29	31.68	58.0	2.76	4000	M022232_M_-.18C--	23	71
26	35.69	65.4	2.45	4000	M022236_M_-.18C--	23	71
22	41.49	76.0	2.11	4000	M022245_M_-.18C--	23	71
20	47.09	86.2	1.86	4000	M022250_M_-.18C--	23	71
17	53.54	98.0	1.63	4000	M022256_M_-.18C--	23	71
16	57.03	103	1.55	4000	M023256_M_-.18C--	25	71
15	62.87	114	1.40	4000	M023263_M_-.18C--	25	71
13	69.19	125	1.28	4000	M023271_M_-.18C--	25	71
11	81.07	147	1.09	4000	M023280_M_-.18C--	25	71
9.5	97.26	176	0.91	4000	M0232100_M_-.18C--	25	71
29	31.68	58	3.62	3491	M032232_M_-.18C--	23	71
26	35.69	65	3.21	3445	M032236_M_-.18C--	23	71
22	41.49	76	2.71	4000	M032245_M_-.18C--	23	71
20	47.09	86	2.41	4000	M032250_M_-.18C--	23	71
17	53.54	98	2.10	4000	M032256_M_-.18C--	23	71
16	57.03	103	2.03	4000	M033256_M_-.18C--	25	71
15	62.87	114	1.84	4000	M033263_M_-.18C--	25	71
13	69.19	125	1.67	4000	M033271_M_-.18C--	25	71
11	81.07	147	1.43	4000	M033280_M_-.18C--	25	71
9.5	97.26	176	1.19	4000	M0332100_M_-.18C--	25	71
8.1	113.37	205	1.02	4000	M0332112_M_-.18C--	25	71
7.3	125.97	228	0.92	4000	M0332125_M_-.18C--	25	71

NOTE

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



SELECTION TABLES

0.18 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
16	58.38	106	3.21	7200	M043256_M_-.18C--	35	71
14	64.29	117	2.92	7200	M043263_M_-.18C--	35	71
12	73.95	134	2.54	7200	M043271_M_-.18C--	35	71
11	80.40	146	2.33	7200	M043280_M_-.18C--	35	71
10	96.52	175	1.94	7200	M0432100_M_-.18C--	35	71
7.9	115.82	210	1.62	7200	M0432112_M_-.18C--	35	71
7.0	130.50	237	1.44	7200	M0432125_M_-.18C--	35	71
6.1	151.71	275	1.24	7200	M0432160_M_-.18C--	35	71
5.3	172.19	312	1.09	7200	M0432180_M_-.18C--	35	71
4.7	195.75	355	0.96	7200	M0432200_M_-.18C--	35	71
14	64.29	117	3.86	7200	M053263_M_-.18C--	35	71
12	73.95	134	3.36	7200	M053271_M_-.18C--	35	71
11	80.40	146	3.09	7200	M053280_M_-.18C--	35	71
10	96.52	175	2.57	7200	M0532100_M_-.18C--	35	71
7.9	115.82	210	2.14	7200	M0532112_M_-.18C--	35	71
7.0	130.50	237	1.90	7200	M0532125_M_-.18C--	35	71
6.1	151.71	275	1.64	7200	M0532160_M_-.18C--	35	71
5.3	172.19	312	1.44	7200	M0532180_M_-.18C--	35	71
4.7	195.75	355	1.27	7200	M0532200_M_-.18C--	35	71
4.0	232.81	415	1.09	7200	M0542225_M_-.18C--	45	71
3.5	260.47	465	0.97	7200	M0542250_M_-.18C--	45	71
3.3	277.62	495	0.91	7200	M0542280_M_-.18C--	45	71
3.0	305.72	546	0.83	7200	M0542300_M_-.18C--	45	71
10	91.56	166	3.77	7200	M063280_M_-.18C--	40	71
9.2	99.54	180	3.46	7200	M0632100_M_-.18C--	40	71
7.7	119.50	217	2.89	7200	M0632112_M_-.18C--	40	71
6.4	143.39	260	2.40	7200	M0632125_M_-.18C--	40	71
5.7	161.57	293	2.13	7200	M0632160_M_-.18C--	40	71
4.9	187.83	340	1.84	7200	M0632180_M_-.18C--	40	71
4.3	213.18	386	1.62	7200	M0632200_M_-.18C--	40	71
3.8	242.36	439	1.42	7200	M0632225_M_-.18C--	40	71
3.4	272.91	487	1.28	7200	M0642280_M_-.18C--	51	71
2.9	313.91	560	1.12	7200	M0642300_M_-.18C--	51	71
2.5	365.10	651	0.96	7200	M0642360_M_-.18C--	51	71
2.3	396.93	708	0.88	7200	M0642400_M_-.18C--	51	71
4.0	229.00	409	2.15	9200	M0742225_M_-.18C--	59	71
3.5	259.68	463	1.90	9200	M0742250_M_-.18C--	59	71
3.2	286.42	511	1.72	9200	M0742280_M_-.18C--	59	71
2.9	315.41	563	1.56	9200	M0742300_M_-.18C--	59	71
2.5	361.21	645	1.37	9200	M0742360_M_-.18C--	59	71
2.2	415.49	741	1.19	9200	M0742400_M_-.18C--	59	71
2.0	469.77	838	1.05	9200	M0742450_M_-.18C--	59	71
1.8	510.72	911	0.97	9200	M0742500_M_-.18C--	59	71
1.6	592.12	1057	0.83	9200	M0742650_M_-.18C--	59	71

0.25 kW
4 POLE

373	3.75	6.3	9.62	1591	M01223.6_M_-.25A--	20	71
276	5.07	8.5	8.07	1661	M01225.0_M_-.25A--	20	71
243	5.76	10	7.53	1698	M01225.6_M_-.25A--	20	71
214	6.53	11	6.95	1720	M01226.3_M_-.25A--	20	71
168	8.35	14	5.75	1782	M01228.0_M_-.25A--	20	71
156	9.00	15	5.41	1794	M01229.0_M_-.25A--	20	71
123	11.36	19	4.48	1875	M012211_M_-.25A--	20	71
109	12.88	22	4.09	1900	M012212_M_-.25A--	20	71
95	14.71	25	3.70	1900	M012214_M_-.25A--	20	71
86	16.37	27	3.33	1900	M012216_M_-.25A--	20	71
78	18.05	30	3.02	1900	M012218_M_-.25A--	20	71
70	19.86	33	2.75	1900	M012220_M_-.25A--	20	71
60	23.27	39	2.34	1900	M012222_M_-.25A--	20	71
50	27.92	47	1.96	1900	M012228_M_-.25A--	20	71
43	32.54	54	1.68	1900	M012232_M_-.25A--	20	71
39	36.16	60	1.52	1900	M012236_M_-.25A--	20	71
32	43.54	73	1.17	1900	M012245_M_-.25A--	20	71
28	49.91	83	0.88	1900	M012250_M_-.25A--	20	71
24	58.46	97	0.95	1900	M013256_M_-.25A--	21	71
22	64.45	107	0.87	1900	M013263_M_-.25A--	21	71
53	26.40	44	3.68	4000	M022228_M_-.25A--	23	71
44	31.68	53	3.07	4000	M022232_M_-.25A--	23	71
39	35.69	60	2.73	4000	M022236_M_-.25A--	23	71
34	41.49	69	2.35	4000	M022245_M_-.25A--	23	71
30	47.09	79	2.07	4000	M022250_M_-.25A--	23	71
26	53.54	89	1.82	4000	M022256_M_-.25A--	23	71

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



SELECTION TABLES

0.25 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
25	57.03	94	1.73	4000	M023256_M_-.25A--	25	71
22	62.87	104	1.57	4000	M023263_M_-.25A--	25	71
20	69.19	114	1.43	4000	M023271_M_-.25A--	25	71
17	81.07	134	1.22	4000	M023280_M_-.25A--	25	71
14	97.26	161	1.02	4000	M0232100_M_-.25A--	25	71
12	113.37	188	0.87	4000	M0232112_M_-.25A--	25	71
44	31.68	53	3.97	3526	M032232_M_-.25A--	23	71
39	35.69	60	3.57	3520	M032236_M_-.25A--	23	71
34	41.49	69	2.91	4000	M032245_M_-.25A--	23	71
30	47.09	79	2.63	4000	M032250_M_-.25A--	23	71
26	53.54	89	2.34	4000	M032256_M_-.25A--	23	71
25	57.03	94	2.26	4000	M033256_M_-.25A--	25	71
22	62.87	104	2.05	4000	M033263_M_-.25A--	25	71
20	69.19	114	1.86	4000	M033271_M_-.25A--	25	71
17	81.07	134	1.59	4000	M033280_M_-.25A--	25	71
14	97.26	161	1.33	4000	M0332100_M_-.25A--	25	71
12	113.37	188	1.14	4000	M0332112_M_-.25A--	25	71
11	125.97	208	1.03	4000	M0332125_M_-.25A--	25	71
9.2	151.69	251	0.85	4000	M0332160_M_-.25A--	25	71
24	58.38	97	3.56	7200	M043256_M_-.25A--	35	71
22	64.29	106	3.23	7200	M043263_M_-.25A--	35	71
19	73.95	122	2.81	7200	M043271_M_-.25A--	35	71
17	80.40	133	2.58	7200	M043280_M_-.25A--	35	71
15	96.52	160	2.16	7200	M0432100_M_-.25A--	35	71
12	115.82	192	1.80	7200	M0432112_M_-.25A--	35	71
11	130.50	216	1.60	7200	M0432125_M_-.25A--	35	71
9.2	151.71	251	1.37	7200	M0432160_M_-.25A--	35	71
8.1	172.19	285	1.21	7200	M0432180_M_-.25A--	35	71
7.2	195.75	324	1.07	7200	M0432200_M_-.25A--	35	71
6.0	232.81	379	0.92	7200	M0442225_M_-.25A--	45	71
5.4	260.47	424	0.83	7200	M0442250_M_-.25A--	45	71
19	73.95	122	3.73	7200	M053271_M_-.25A--	35	71
17	80.40	133	3.43	7200	M053280_M_-.25A--	35	71
15	96.52	160	2.87	7200	M0532100_M_-.25A--	35	71
12	115.82	192	2.39	7200	M0532112_M_-.25A--	35	71
11	130.50	216	2.12	7200	M0532125_M_-.25A--	35	71
9.2	151.71	251	1.83	7200	M0532160_M_-.25A--	35	71
8.1	172.19	285	1.61	7200	M0532180_M_-.25A--	35	71
7.2	195.75	324	1.42	7200	M0532200_M_-.25A--	35	71
6.0	232.81	379	1.22	7200	M0542225_M_-.25A--	45	71
5.4	260.47	424	1.09	7200	M0542250_M_-.25A--	45	71
5.0	277.62	452	1.03	7200	M0542280_M_-.25A--	45	71
4.6	305.72	498	0.93	7200	M0542300_M_-.25A--	45	71
14	99.54	165	3.86	7200	M0632100_M_-.25A--	40	71
12	119.50	198	3.22	7200	M0632112_M_-.25A--	40	71
10	143.39	237	2.69	7200	M0632125_M_-.25A--	40	71
8.7	161.57	267	2.39	7200	M0632160_M_-.25A--	40	71
7.5	187.83	311	2.05	7200	M0632180_M_-.25A--	40	71
6.6	213.18	353	1.81	7200	M0632200_M_-.25A--	40	71
5.8	242.36	401	1.49	7200	M0632225_M_-.25A--	40	71
5.1	272.91	444	1.41	7200	M0642280_M_-.25A--	51	71
4.5	313.91	511	1.22	7200	M0642300_M_-.25A--	51	71
3.8	365.10	595	1.05	7200	M0642360_M_-.25A--	51	71
3.5	396.93	646	0.97	7200	M0642400_M_-.25A--	51	71
3.2	444.10	723	0.89	7200	M0642450_M_-.25A--	51	71
6.1	229.00	373	2.38	9200	M0742225_M_-.25A--	59	71
5.4	259.68	423	2.10	9200	M0742250_M_-.25A--	59	71
4.9	286.42	466	1.91	9200	M0742280_M_-.25A--	59	71
4.4	315.41	514	1.73	9200	M0742300_M_-.25A--	59	71
3.9	361.21	588	1.51	9200	M0742360_M_-.25A--	59	71
3.4	415.49	677	1.32	9200	M0742400_M_-.25A--	59	71
3.0	469.77	765	1.17	9200	M0742450_M_-.25A--	59	71
2.7	510.72	832	1.07	9200	M0742500_M_-.25A--	59	71
2.4	592.12	964	0.93	9200	M0742650_M_-.25A--	59	71

NOTE

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



SELECTION TABLES

0.25 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
245	3.75	9.5	7.13	1676	M01223.6_M_-.25C--	20	71
181	5.07	13	5.89	1750	M01225.0_M_-.25C--	20	71
160	5.76	15	5.32	1779	M01225.6_M_-.25C--	20	71
141	6.53	17	4.82	1807	M01226.3_M_-.25C--	20	71
110	8.35	21	4.00	1900	M01228.0_M_-.25C--	20	71
102	9.00	23	3.80	1900	M01229.0_M_-.25C--	20	71
81	11.36	29	3.12	1900	M012211_M_-.25C--	20	71
71	12.88	33	2.75	1900	M012212_M_-.25C--	20	71
63	14.71	37	2.41	1900	M012214_M_-.25C--	20	71
56	16.37	42	2.16	1900	M012216_M_-.25C--	20	71
51	18.05	46	1.96	1900	M012218_M_-.25C--	20	71
46	19.86	51	1.78	1900	M012220_M_-.25C--	20	71
40	23.27	59	1.52	1900	M012222_M_-.25C--	20	71
33	27.92	71	1.27	1900	M012228_M_-.25C--	20	71
28	32.54	83	1.09	1900	M012232_M_-.25C--	20	71
25	36.16	92	0.98	1895	M012236_M_-.25C--	20	71
52	17.58	45	3.58	4000	M022218_M_-.25C--	23	71
45	20.23	51	3.11	4000	M022220_M_-.25C--	23	71
42	21.99	56	2.86	4000	M022222_M_-.25C--	23	71
35	26.40	67	2.38	4000	M022228_M_-.25C--	23	71
29	31.68	81	1.99	4000	M022232_M_-.25C--	23	71
26	35.69	91	1.76	4000	M022236_M_-.25C--	23	71
22	41.49	106	1.52	4000	M022245_M_-.25C--	23	71
20	47.09	120	1.34	4000	M022250_M_-.25C--	23	71
17	53.54	136	1.18	4000	M022256_M_-.25C--	23	71
16	57.03	144	1.11	4000	M023256_M_-.25C--	25	71
15	62.87	158	1.01	4000	M023263_M_-.25C--	25	71
13	69.19	174	0.92	4000	M023271_M_-.25C--	25	71
42	21.99	56	3.76	3505	M032222_M_-.25C--	23	71
35	26.40	67	3.13	3435	M032228_M_-.25C--	23	71
29	31.68	81	2.61	3367	M032232_M_-.25C--	23	71
26	35.69	91	2.31	3323	M032236_M_-.25C--	23	71
22	41.49	106	1.95	3918	M032245_M_-.25C--	23	71
20	47.09	120	1.74	4000	M032250_M_-.25C--	23	71
17	53.54	136	1.51	4000	M032256_M_-.25C--	23	71
16	57.03	144	1.46	4000	M033256_M_-.25C--	25	71
15	62.87	158	1.33	4000	M033263_M_-.25C--	25	71
13	69.19	174	1.21	4000	M033271_M_-.25C--	25	71
11	81.07	204	1.03	4000	M033280_M_-.25C--	25	71
9.5	97.26	245	0.86	4000	M0332100_M_-.25C--	25	71
16	58.38	147	2.31	7200	M043256_M_-.25C--	35	71
14	64.29	162	2.10	7200	M043263_M_-.25C--	35	71
12	73.95	186	1.83	7200	M043271_M_-.25C--	35	71
11	80.40	202	1.68	7200	M043280_M_-.25C--	35	71
10	96.52	243	1.40	7200	M0432100_M_-.25C--	35	71
7.9	115.82	292	1.17	7200	M0432112_M_-.25C--	35	71
7.0	130.50	329	1.04	7200	M0432125_M_-.25C--	35	71
6.1	151.71	382	0.89	7200	M0432160_M_-.25C--	35	71
16	58.38	147	3.06	7200	M053256_M_-.25C--	35	71
14	64.29	162	2.78	7200	M053263_M_-.25C--	35	71
12	73.95	186	2.42	7200	M053271_M_-.25C--	35	71
11	80.40	202	2.22	7200	M053280_M_-.25C--	35	71
10	96.52	243	1.85	7200	M0532100_M_-.25C--	35	71
7.9	115.82	292	1.54	7200	M0532112_M_-.25C--	35	71
7.0	130.50	329	1.37	7200	M0532125_M_-.25C--	35	71
6.1	151.71	382	1.18	7200	M0532160_M_-.25C--	35	71
5.3	172.19	433	1.04	7200	M0532180_M_-.25C--	35	71
4.7	195.75	493	0.91	7200	M0532200_M_-.25C--	35	71
13	72.28	182	3.44	7200	M063263_M_-.25C--	40	71
12	79.60	200	3.12	7200	M063271_M_-.25C--	40	71
10	91.56	230	2.71	7200	M063280_M_-.25C--	40	71
9.2	99.54	251	2.49	7200	M0632100_M_-.25C--	40	71
7.7	119.50	301	2.08	7200	M0632112_M_-.25C--	40	71
6.4	143.39	361	1.73	7200	M0632125_M_-.25C--	40	71
5.7	161.57	407	1.54	7200	M0632160_M_-.25C--	40	71
4.9	187.83	473	1.32	7200	M0632180_M_-.25C--	40	71
4.3	213.18	537	1.16	7200	M0632200_M_-.25C--	40	71
3.8	242.36	610	1.02	7200	M0632225_M_-.25C--	40	71
4.0	229.00	565	1.56	9200	M0742225_M_-.25C--	59	71
3.5	259.68	640	1.37	9200	M0742250_M_-.25C--	59	71
3.2	286.42	706	1.25	9200	M0742280_M_-.25C--	59	71
2.9	315.41	778	1.13	9200	M0742300_M_-.25C--	59	71
2.5	361.21	891	0.99	9200	M0742360_M_-.25C--	59	71
2.2	415.49	1024	0.86	9200	M0742400_M_-.25C--	59	71

NOTE
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SELECTION TABLES

0.37 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
376	3.75	9.2	6.50	1523	M01223.6_M_-.25A--	20	71
278	5.07	12	5.46	1591	M01225.0_M_-.37A--	20	71
245	5.76	14	5.09	1627	M01225.6_M_-.37A--	20	71
216	6.53	16	4.70	1648	M01226.3_M_-.37A--	20	71
169	8.35	21	3.89	1707	M01228.0_M_-.37A--	20	71
157	9.00	22	3.65	1718	M01229.0_M_-.37A--	20	71
124	11.36	28	3.03	1796	M012211_M_-.37A--	20	71
109	12.88	32	2.77	1879	M012212_M_-.37A--	20	71
96	14.71	36	2.50	1900	M012214_M_-.37A--	20	71
86	16.37	40	2.25	1900	M012216_M_-.37A--	20	71
78	18.05	44	2.04	1900	M012218_M_-.37A--	20	71
71	19.86	49	1.86	1900	M012220_M_-.37A--	20	71
61	23.27	57	1.58	1900	M012222_M_-.37A--	20	71
51	27.92	69	1.32	1900	M012228_M_-.37A--	20	71
43	32.54	80	1.14	1900	M012232_M_-.37A--	20	71
39	36.16	89	1.03	1900	M012236_M_-.37A--	20	71
80	17.58	43	3.73	4000	M022218_M_-.37A--	23	71
70	20.23	50	3.24	4000	M022220_M_-.37A--	23	71
64	21.99	54	2.97	4000	M022222_M_-.37A--	23	71
53	26.40	65	2.49	4000	M022228_M_-.37A--	23	71
45	31.68	78	2.08	4000	M022232_M_-.37A--	23	71
40	35.69	88	1.85	4000	M022236_M_-.37A--	23	71
34	41.49	102	1.59	4000	M022245_M_-.37A--	23	71
30	47.09	116	1.40	4000	M022250_M_-.37A--	23	71
26	53.54	131	1.23	4000	M022256_M_-.37A--	23	71
25	57.03	139	1.17	4000	M023256_M_-.37A--	25	71
22	62.87	153	1.06	4000	M023263_M_-.37A--	25	71
20	69.19	168	0.96	4000	M023271_M_-.37A--	25	71
17	81.07	197	0.82	4000	M023280_M_-.37A--	25	71
64	21.99	54	3.89	3518	M032222_M_-.37A--	23	71
53	26.40	65	3.26	3485	M032228_M_-.37A--	23	71
45	31.68	78	2.71	4000	M032232_M_-.37A--	23	71
40	35.69	88	2.41	4000	M032236_M_-.37A--	23	71
34	41.49	102	1.97	4000	M032245_M_-.37A--	23	71
30	47.09	116	1.77	4000	M032250_M_-.37A--	23	71
26	53.54	131	1.58	4000	M032256_M_-.37A--	23	71
25	57.03	139	1.53	4000	M033256_M_-.37A--	25	71
22	62.87	153	1.38	4000	M033263_M_-.37A--	25	71
20	69.19	168	1.26	4000	M033271_M_-.37A--	25	71
17	81.07	197	1.08	4000	M033280_M_-.37A--	25	71
14	97.26	236	0.90	4000	M0332100_M_-.37A--	25	71
40	35.25	87	3.93	7200	M042236_M_-.37A--	34	71
33	43.20	106	3.20	7200	M042245_M_-.37A--	34	71
29	48.15	118	2.88	7200	M042250_M_-.37A--	34	71
26	54.00	133	2.04	7200	M042256_M_-.37A--	34	71
24	58.38	142	2.41	7200	M043256_M_-.37A--	35	71
22	64.29	156	2.18	7200	M043263_M_-.37A--	35	71
19	73.95	180	1.90	7200	M043271_M_-.37A--	35	71
18	80.40	195	1.75	7200	M043280_M_-.37A--	35	71
15	96.52	235	1.46	7200	M0432100_M_-.37A--	35	71
12	115.82	282	1.22	7200	M0432112_M_-.37A--	35	71
11	130.50	317	1.08	7200	M0432125_M_-.37A--	35	71
9.3	151.71	369	0.93	7200	M0432160_M_-.37A--	35	71
8.2	172.19	419	0.82	7200	M0432180_M_-.37A--	35	71
29	48.15	118	3.21	7200	M052250_M_-.37A--	34	71
26	54.00	133	2.04	7200	M052256_M_-.37A--	34	71
24	58.38	142	3.18	7200	M053256_M_-.37A--	35	71
22	64.29	156	2.90	7200	M053263_M_-.37A--	35	71
19	73.95	180	2.52	7200	M053271_M_-.37A--	35	71
18	80.40	195	2.32	7200	M053280_M_-.37A--	35	71
15	96.52	235	1.94	7200	M0532100_M_-.37A--	35	71
12	115.82	282	1.62	7200	M0532112_M_-.37A--	35	71
11	130.50	317	1.44	7200	M0532125_M_-.37A--	35	71
9.3	151.71	369	1.23	7200	M0532160_M_-.37A--	35	71
8.2	172.19	419	1.09	7200	M0532180_M_-.37A--	35	71
7.2	195.75	476	0.96	7200	M0532200_M_-.37A--	35	71
26	53.49	131	4.00	7200	M062250_M_-.37A--	39	71
24	59.61	146	3.21	7200	M062256_M_-.37A--	39	71
21	66.86	164	2.03	7200	M062263_M_-.37A--	39	71

NOTE

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SELECTION TABLES

0.37 kW

4 POLE

0.37 kW

6 POLE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
20	72.28	176	3.60	7200	M063263_M_-.37A--	40	71
18	79.60	193	3.24	7200	M063271_M_-.37A--	40	71
15	91.56	223	2.84	7200	M063280_M_-.37A--	40	71
14	99.54	242	2.61	7200	M0632100_M_-.37A--	40	71
12	119.50	290	2.17	7200	M0632112_M_-.37A--	40	71
10	143.39	349	1.82	7200	M0632125_M_-.37A--	40	71
8.7	161.57	393	1.61	7200	M0632160_M_-.37A--	40	71
7.5	187.83	457	1.39	7200	M0632180_M_-.37A--	40	71
6.6	213.18	518	1.22	7200	M0632200_M_-.37A--	40	71
5.8	242.36	589	1.02	7200	M0632225_M_-.37A--	40	71
5.2	272.91	650	0.96	7200	M0642280_M_-.37A--	51	71
6.2	229.00	545	1.61	9200	M0742225_M_-.37A--	59	71
5.4	259.68	618	1.42	9200	M0742250_M_-.37A--	59	71
4.9	286.42	682	1.29	9200	M0742280_M_-.37A--	59	71
4.5	315.41	751	1.17	9200	M0742300_M_-.37A--	59	71
3.9	361.21	860	1.02	9200	M0742360_M_-.37A--	59	71
3.4	415.49	989	0.89	9200	M0742400_M_-.37A--	59	71
245	3.75	14	4.90	1608	M01223.6_M_-.37C--	28	80
181	5.07	19	4.01	1678	M01225.0_M_-.37C--	28	80
160	5.76	22	3.65	1707	M01225.6_M_-.37C--	28	80
141	6.53	25	3.29	1733	M01226.3_M_-.37C--	28	80
110	8.35	31	2.75	1855	M01228.0_M_-.37C--	28	80
102	9.00	34	2.59	1899	M01229.0_M_-.37C--	28	80
81	11.36	43	2.12	1900	M012211_M_-.37C--	28	80
71	12.88	48	1.88	1900	M012212_M_-.37C--	28	80
63	14.71	55	1.64	1900	M012214_M_-.37C--	28	80
56	16.37	62	1.48	1900	M012216_M_-.37C--	28	80
51	18.05	68	1.34	1900	M012218_M_-.37C--	28	80
46	19.86	75	1.22	1900	M012220_M_-.37C--	28	80
40	23.27	88	1.04	1900	M012222_M_-.37C--	28	80
33	27.92	105	0.87	1900	M012228_M_-.37C--	28	80
83	11.15	42	3.76	4000	M022211_M_-.37C--	30	80
74	12.37	47	3.47	4000	M022212_M_-.37C--	30	80
65	14.05	53	3.06	4000	M022214_M_-.37C--	30	80
58	15.97	60	2.69	4000	M022216_M_-.37C--	30	80
52	17.58	66	2.45	4000	M022218_M_-.37C--	30	80
45	20.23	76	2.13	4000	M022220_M_-.37C--	30	80
42	21.99	83	1.96	4000	M022222_M_-.37C--	30	80
35	26.40	99	1.63	4000	M022228_M_-.37C--	30	80
29	31.68	119	1.36	4000	M022232_M_-.37C--	30	80
26	35.69	134	1.21	4000	M022236_M_-.37C--	30	80
22	41.49	156	1.04	4000	M022245_M_-.37C--	30	80
20	47.09	177	0.92	3963	M022250_M_-.37C--	30	80
20	53.54	202	0.81	3908	M022256_M_-.37C--	30	80
58	15.97	60	3.52	3767	M032216_M_-.37C--	30	80
52	17.58	66	3.19	3613	M032218_M_-.37C--	30	80
45	20.23	76	2.77	3412	M032220_M_-.37C--	30	80
42	21.99	83	2.56	3360	M032222_M_-.37C--	30	80
35	26.40	99	2.13	3293	M032228_M_-.37C--	30	80
29	31.68	119	1.78	3228	M032232_M_-.37C--	30	80
26	35.69	134	1.59	3189	M032236_M_-.37C--	30	80
22	41.49	156	1.34	3759	M032245_M_-.37C--	30	80
20	47.09	177	1.20	4000	M032250_M_-.37C--	30	80
17	53.54	202	1.04	4000	M032256_M_-.37C--	30	80
16	57.03	212	1.00	4000	M033256_M_-.37C--	32	80
15	62.87	234	0.91	4000	M033263_M_-.37C--	32	80
13	69.19	258	0.83	4000	M033271_M_-.37C--	32	80
34	27.30	103	3.34	7200	M042228_M_-.37C--	40	80
29	32.19	121	2.82	7200	M042232_M_-.37C--	40	80
26	35.25	133	2.58	7200	M042236_M_-.37C--	40	80
21	43.20	163	2.11	7200	M042245_M_-.37C--	40	80
19	48.15	181	1.90	7200	M042250_M_-.37C--	40	80
17	54.00	203	1.35	7200	M042256_M_-.37C--	40	80
16	58.38	217	1.58	7200	M043256_M_-.37C--	41	80
14	64.29	240	1.43	7200	M043263_M_-.37C--	41	80
12	73.95	276	1.25	7200	M043271_M_-.37C--	41	80
11	80.40	300	1.15	7200	M043280_M_-.37C--	41	80
10	96.52	360	0.96	7200	M0432100_M_-.37C--	41	80



SELECTION TABLES

0.37 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
29	32.19	121	3.76	7200	M052232_M_-.37C--	40	80
26	35.25	133	3.44	7200	M052236_M_-.37C--	40	80
21	43.20	163	2.54	6759	M052245_M_-.37C--	40	80
19	48.15	181	2.13	7009	M052250_M_-.37C--	40	80
17	54.00	203	1.35	7200	M052256_M_-.37C--	40	80
16	58.38	217	2.10	7200	M053256_M_-.37C--	41	80
14	64.29	240	1.90	7200	M053263_M_-.37C--	41	80
12	73.95	276	1.66	7200	M053271_M_-.37C--	41	80
11	80.40	300	1.52	7200	M053280_M_-.37C--	41	80
10	96.52	360	1.27	7200	M0532100_M_-.37C--	41	80
7.9	115.82	431	1.06	7200	M0532112_M_-.37C--	41	80
7.0	130.50	486	0.94	7200	M0532125_M_-.37C--	41	80
6.1	151.71	565	0.81	7200	M0532160_M_-.37C--	41	80
21	43.64	164	3.80	7200	M062245_M_-.37C--	45	80
17	53.49	201	2.70	7200	M062250_M_-.37C--	45	80
15	59.61	224	2.13	7200	M062256_M_-.37C--	45	80
14	66.86	252	1.33	7200	M062263_M_-.37C--	45	80
13	72.28	269	2.36	7200	M063263_M_-.37C--	46	80
12	79.60	297	2.14	7200	M063271_M_-.37C--	46	80
10	91.56	341	1.86	7200	M063280_M_-.37C--	46	80
9.2	99.54	371	1.71	7200	M0632100_M_-.37C--	46	80
7.7	119.50	445	1.43	7200	M0632112_M_-.37C--	46	80
6.4	143.39	534	1.19	7200	M0632125_M_-.37C--	46	80
5.7	161.57	602	1.06	7200	M0632160_M_-.37C--	46	80
4.9	187.83	700	0.91	7200	M0632180_M_-.37C--	46	80
4.3	213.18	794	0.80	7200	M0632200_M_-.37C--	46	80
16	58.95	220	3.99	9200	M073256_M_-.37C--	56	80
15	62.83	234	3.76	9200	M073263_M_-.37C--	56	80
12	74.47	277	3.16	9200	M073271_M_-.37C--	56	80
12	79.51	296	2.98	9200	M073280_M_-.37C--	56	80
9.3	98.66	368	2.40	9200	M0732100_M_-.37C--	56	80
7.9	116.34	433	2.04	9200	M0732112_M_-.37C--	56	80
7.2	127.39	475	1.86	9200	M0732125_M_-.37C--	56	80
5.9	156.12	582	1.54	9200	M0732160_M_-.37C--	56	80
5.3	174.01	648	1.39	9200	M0732180_M_-.37C--	56	80
4.7	195.15	727	1.25	9200	M0732200_M_-.37C--	56	80
4.0	229.00	836	1.06	9200	M0742225_M_-.37C--	65	80
3.5	259.68	948	0.93	9200	M0742250_M_-.37C--	65	80
3.2	286.42	1045	0.85	9200	M0742280_M_-.37C--	65	80
4.0	228.91	835	2.04	16200	M0842225_M_-.37C--	113	80
3.6	258.98	945	1.80	16200	M0842250_M_-.37C--	113	80
3.1	301.21	1099	1.55	16200	M0842280_M_-.37C--	113	80
2.7	337.01	1230	1.38	16200	M0842300_M_-.37C--	113	80
2.6	359.19	1311	1.30	16200	M0842360_M_-.37C--	113	80
2.2	425.69	1553	1.09	16200	M0842400_M_-.37C--	113	80
1.9	480.51	1753	0.97	16200	M0842450_M_-.37C--	113	80
1.8	513.04	1872	0.91	16200	M0842500_M_-.37C--	113	80
4.0	231.85	846	3.68	20500	M0942225_M_-.37C--	168	80
3.6	258.09	942	3.30	20500	M0942250_M_-.37C--	168	80
3.2	286.74	1046	2.97	20500	M0942280_M_-.37C--	168	80
3.1	300.18	1095	2.84	20500	M0942300_M_-.37C--	168	80
2.6	357.95	1306	2.38	20500	M0942360_M_-.37C--	168	80
2.3	397.69	1451	2.14	20500	M0942400_M_-.37C--	168	80
2.0	452.94	1653	1.88	20500	M0942450_M_-.37C--	168	80
1.8	503.22	1836	1.69	20500	M0942500_M_-.37C--	168	80
1.4	665.75	2429	1.28	20500	M0942650_M_-.37C--	168	80
1.2	736.35	2687	1.16	20500	M0942730_M_-.37C--	168	80
1.0	882.06	3218	0.97	20500	M0942860_M_-.37C--	168	80
0.88	1040.13	3795	0.82	20500	M094210C_M_-.37C--	168	80
0.34	2735.22	9980	0.97	48000	M135227C_M_-.37C--	325	80
0.29	3150.18	11494	0.84	48000	M135232C_M_-.37C--	325	80
0.34	2739.37	9995	1.30	68000	M145227C_M_-.37C--	421	80
0.28	3285.96	11990	1.08	68000	M145232C_M_-.37C--	421	80
0.26	3598.07	13128	0.99	68000	M145236C_M_-.37C--	421	80
0.23	3943.15	14387	0.90	68000	M145240C_M_-.37C--	421	80

NOTE
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SELECTION TABLES

0.55 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
379	3.75	14	4.43	1461	M01223.6_M_-.55A--	28	80
280	5.07	18	3.72	1525	M01225.0_M_-.55A--	28	80
247	5.76	21	3.47	1559	M01225.6_M_-.55A--	28	80
217	6.53	24	3.21	1580	M01226.3_M_-.55A--	28	80
170	8.35	30	2.65	1636	M01228.0_M_-.55A--	28	80
158	9.00	33	2.49	1647	M01229.0_M_-.55A--	28	80
125	11.36	41	2.07	1722	M012211_M_-.55A--	28	80
110	12.88	47	1.89	1802	M012212_M_-.55A--	28	80
97	14.71	53	1.70	1876	M012214_M_-.55A--	28	80
87	16.37	59	1.54	1900	M012216_M_-.55A--	28	80
79	18.05	65	1.39	1900	M012218_M_-.55A--	28	80
72	19.86	72	1.27	1900	M012220_M_-.55A--	28	80
61	23.27	84	1.08	1900	M012222_M_-.55A--	28	80
51	27.92	101	0.90	1878	M012228_M_-.55A--	28	80
127	11.15	40	3.63	3722	M022211_M_-.55A--	30	80
115	12.37	45	3.35	3906	M022212_M_-.55A--	30	80
101	14.05	51	3.04	4000	M022214_M_-.55A--	30	80
89	15.97	58	2.80	4000	M022216_M_-.55A--	30	80
81	17.58	64	2.55	4000	M022218_M_-.55A--	30	80
70	20.23	73	2.21	4000	M022220_M_-.55A--	30	80
65	21.99	80	2.03	4000	M022222_M_-.55A--	30	80
54	26.40	96	1.70	4000	M022228_M_-.55A--	30	80
45	31.68	115	1.42	4000	M022232_M_-.55A--	30	80
40	35.69	129	1.26	4000	M022236_M_-.55A--	30	80
34	41.49	150	1.08	4000	M022245_M_-.55A--	30	80
30	47.09	171	0.95	4000	M022250_M_-.55A--	30	80
27	53.54	194	0.84	4000	M022256_M_-.55A--	30	80
101	14.05	51	3.85	3039	M032214_M_-.55A--	30	80
89	15.97	58	3.60	3258	M032216_M_-.55A--	30	80
81	17.58	64	3.31	3399	M032218_M_-.55A--	30	80
70	20.23	73	2.88	3617	M032220_M_-.55A--	30	80
65	21.99	80	2.65	3729	M032222_M_-.55A--	30	80
54	26.40	96	2.23	3484	M032228_M_-.55A--	30	80
45	31.68	115	1.85	3242	M032232_M_-.55A--	30	80
40	35.69	129	1.65	3233	M032236_M_-.55A--	30	80
34	41.49	150	1.34	3759	M032245_M_-.55A--	30	80
30	47.09	171	1.21	4000	M032250_M_-.55A--	30	80
27	53.53	194	1.08	4000	M032256_M_-.55A--	30	80
25	57.03	205	1.04	4000	M033256_M_-.55A--	32	80
23	62.87	226	0.94	4000	M033263_M_-.55A--	32	80
21	69.19	248	0.86	4000	M033271_M_-.55A--	32	80
52	27.30	99	3.44	7137	M042228_M_-.55A--	40	80
44	32.19	117	2.94	7200	M042232_M_-.55A--	40	80
40	35.25	128	2.69	7200	M042236_M_-.55A--	40	80
33	43.20	157	2.19	7200	M042245_M_-.55A--	40	80
29	48.15	175	1.98	7200	M042250_M_-.55A--	40	80
26	54.00	196	1.41	7200	M042256_M_-.55A--	40	80
24	58.38	209	1.64	7200	M043256_M_-.55A--	41	80
22	64.29	231	1.49	7200	M043263_M_-.55A--	41	80
19	73.95	265	1.29	7200	M043271_M_-.55A--	41	80
18	80.40	288	1.19	7200	M043280_M_-.55A--	41	80
15	96.52	346	0.99	7200	M0432100_M_-.55A--	41	80
12	115.82	416	0.83	7200	M0432112_M_-.55A--	41	80
44	32.19	117	3.90	7200	M052232_M_-.55A--	40	80
40	35.25	128	3.58	7200	M052236_M_-.55A--	40	80
33	43.20	157	2.71	7200	M052245_M_-.55A--	40	80
29	48.15	175	2.18	7200	M052250_M_-.55A--	40	80
26	54.00	196	1.41	7200	M052256_M_-.55A--	40	80
24	58.38	209	2.17	7200	M053256_M_-.55A--	41	80
22	64.29	231	1.98	7200	M053263_M_-.55A--	41	80
19	73.95	265	1.72	7200	M053271_M_-.55A--	41	80
18	80.40	288	1.58	7200	M053280_M_-.55A--	41	80
15	96.52	346	1.32	7200	M0532100_M_-.55A--	41	80
12	115.82	416	1.10	7200	M0532112_M_-.55A--	41	80
11	130.50	468	0.98	7200	M0532125_M_-.55A--	41	80
9.4	151.70	544	0.84	7200	M0532160_M_-.55A--	41	80
33	43.64	158	3.95	7200	M062245_M_-.55A--	45	80
27	53.49	194	2.76	7200	M062250_M_-.55A--	45	80
24	59.61	216	2.21	7200	M062256_M_-.55A--	45	80
21	66.86	242	1.38	7200	M062263_M_-.55A--	45	80

NOTE
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SELECTION TABLES

0.55 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
20	72.28	259	2.46	7200	M063263_M_-.55A--	46	80
18	79.60	286	2.21	7200	M063271_M_-.55A--	46	80
16	91.56	329	1.94	7200	M063280_M_-.55A--	46	80
14	99.54	357	1.78	7200	M0632100_M_-.55A--	46	80
12	119.50	429	1.48	7200	M0632112_M_-.55A--	46	80
10	143.39	514	1.24	7200	M0632125_M_-.55A--	46	80
8.8	161.57	580	1.10	7200	M0632160_M_-.55A--	46	80
7.6	187.83	674	0.95	7200	M0632180_M_-.55A--	46	80
6.7	213.20	765	0.83	7200	M0632200_M_-.55A--	46	80
24	58.95	212	3.61	9200	M073256_M_-.55A--	56	80
23	62.83	225	3.47	9200	M073263_M_-.55A--	56	80
19	74.47	267	3.10	9200	M073271_M_-.55A--	56	80
18	79.51	285	2.97	9200	M073280_M_-.55A--	56	80
14	98.66	354	2.49	9200	M0732100_M_-.55A--	56	80
12	116.34	417	2.12	9200	M0732112_M_-.55A--	56	80
11	127.39	457	1.94	9200	M0732125_M_-.55A--	56	80
9.1	156.12	560	1.58	9200	M0732160_M_-.55A--	56	80
8.2	174.01	624	1.42	9200	M0732180_M_-.55A--	56	80
7.3	195.15	700	1.27	9200	M0732200_M_-.55A--	56	80
6.2	229.00	805	1.10	9200	M0742225_M_-.55A--	65	80
5.5	259.68	913	0.97	9200	M0742250_M_-.55A--	65	80
5.0	286.42	1006	0.88	9200	M0742280_M_-.55A--	65	80
12	119.19	428	3.98	16200	M0832112_M_-.55A--	92	80
11	130.92	470	3.62	16200	M0832125_M_-.55A--	92	80
8.9	160.45	576	2.95	16200	M0832160_M_-.55A--	92	80
8.1	175.21	629	2.70	16200	M0832180_M_-.55A--	92	80
7.0	201.75	724	2.35	16200	M0832200_M_-.55A--	92	80
6.2	228.91	804	2.11	16200	M0842225_M_-.55A--	113	80
5.5	258.98	910	1.87	16200	M0842250_M_-.55A--	113	80
4.7	301.21	1058	1.61	16200	M0842280_M_-.55A--	113	80
4.2	337.01	1184	1.44	16200	M0842300_M_-.55A--	113	80
4.0	359.19	1262	1.35	16200	M0842360_M_-.55A--	113	80
3.3	425.69	1496	1.14	16200	M0842400_M_-.55A--	113	80
3.0	480.51	1689	1.01	16200	M0842450_M_-.55A--	113	80
2.8	513.04	1803	0.94	16200	M0842500_M_-.55A--	113	80
6.1	231.85	815	3.82	20500	M0942225_M_-.55A--	168	80
5.5	258.09	907	3.43	20500	M0942250_M_-.55A--	168	80
5.0	286.74	1008	3.09	20500	M0942280_M_-.55A--	168	80
4.7	300.18	1055	2.95	20500	M0942300_M_-.55A--	168	80
4.0	357.95	1258	2.47	20500	M0942360_M_-.55A--	168	80
3.6	397.69	1397	2.23	20500	M0942400_M_-.55A--	168	80
3.1	452.94	1592	1.95	20500	M0942450_M_-.55A--	168	80
2.8	503.22	1768	1.76	20500	M0942500_M_-.55A--	168	80
2.1	665.75	2339	1.33	20500	M0942650_M_-.55A--	168	80
1.9	736.35	2588	1.20	20500	M0942730_M_-.55A--	168	80
1.6	882.06	3100	1.00	20500	M0942860_M_-.55A--	168	80
1.4	1040.13	3655	0.85	20500	M094210C_M_-.55A--	168	80
0.52	2735.22	9612	1.01	48000	M135227C_M_-.55A--	325	80
0.45	3150.18	11070	0.88	48000	M135232C_M_-.55A--	325	80
0.52	2739.37	9626	1.35	68000	M145227C_M_-.55A--	421	80
0.43	3285.96	11547	1.13	68000	M145232C_M_-.55A--	421	80
0.39	3598.07	12644	1.03	68000	M145236C_M_-.55A--	421	80
0.36	3943.15	13856	0.94	68000	M145240C_M_-.55A--	421	80
248	3.75	21	3.29	1539	M01223.6_M_-.55C--	28	80
183	5.07	28	2.70	1606	M01225.0_M_-.55C--	28	80
161	5.76	32	2.46	1634	M01225.6_M_-.55C--	28	80
142	6.53	36	2.21	1659	M01226.3_M_-.55C--	28	80
111	8.35	46	1.85	1776	M01228.0_M_-.55C--	28	80
103	9.00	50	1.74	1817	M01229.0_M_-.55C--	28	80
82	11.36	63	1.43	1883	M012211_M_-.55C--	28	80
72	12.88	71	1.26	1878	M012212_M_-.55C--	28	80
63	14.71	81	1.11	1871	M012214_M_-.55C--	28	80
57	16.37	91	0.99	1899	M012216_M_-.55C--	28	80
52	18.05	100	0.90	1878	M012218_M_-.55C--	28	80
47	19.86	110	0.82	1859	M012220_M_-.55C--	28	80

0.55 kW
6 POLE

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SELECTION TABLES

0.55 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
148	6.30	35	3.96	3641	M02226.3_M_-.55C--	30	80
116	8.00	44	3.28	3715	M02228.0_M_-.55C--	30	80
102	9.09	50	2.98	3890	M02229.0_M_-.55C--	30	80
83	11.15	62	2.56	4000	M022211_M_-.55C--	30	80
75	12.37	68	2.34	4000	M022212_M_-.55C--	30	80
66	14.05	78	2.06	4000	M022214_M_-.55C--	30	80
58	15.97	88	1.81	4000	M022216_M_-.55C--	30	80
53	17.58	97	1.64	4000	M022218_M_-.55C--	30	80
46	20.23	112	1.43	4000	M022220_M_-.55C--	30	80
42	21.99	122	1.32	4000	M022222_M_-.55C--	30	80
35	26.40	146	1.10	4000	M022228_M_-.55C--	30	80
29	31.68	175	0.92	4000	M022232_M_-.55C--	30	80
26	35.69	198	0.82	4000	M022236_M_-.55C--	30	80
102	9.09	50	3.78	2998	M03229.0_M_-.55C--	30	80
83	11.15	62	3.29	3317	M032211_M_-.55C--	30	80
75	12.37	68	3.05	3494	M032212_M_-.55C--	30	80
66	14.05	78	2.70	3692	M032214_M_-.55C--	30	80
58	15.97	88	2.38	3608	M032216_M_-.55C--	30	80
53	17.58	97	2.16	3461	M032218_M_-.55C--	30	80
46	20.23	112	1.88	3268	M032220_M_-.55C--	30	80
42	21.99	122	1.73	3217	M032222_M_-.55C--	30	80
35	26.40	146	1.44	3153	M032228_M_-.55C--	30	80
29	31.68	175	1.20	3091	M032232_M_-.55C--	30	80
26	35.69	198	1.07	3053	M032236_M_-.55C--	30	80
22	41.49	230	0.90	3597	M032245_M_-.55C--	30	80
20	47.09	230	0.81	3597	M032250_M_-.55C--	30	80
57	16.31	90	3.77	6908	M042216_M_-.55C--	40	80
53	17.39	96	3.53	7043	M042218_M_-.55C--	40	80
45	20.61	114	2.98	7200	M042220_M_-.55C--	40	80
42	22.00	122	2.79	7200	M042222_M_-.55C--	40	80
34	27.30	151	2.25	7200	M042228_M_-.55C--	40	80
29	32.19	178	1.91	7200	M042232_M_-.55C--	40	80
26	35.25	195	1.74	7200	M042236_M_-.55C--	40	80
22	43.20	239	1.42	7200	M042245_M_-.55C--	40	80
19	48.15	267	1.28	7200	M042250_M_-.55C--	40	80
17	54.00	299	0.91	7200	M042256_M_-.55C--	40	80
16	58.38	320	1.06	7200	M043256_M_-.55C--	41	80
14	64.29	352	0.97	7200	M043263_M_-.55C--	41	80
13	73.95	405	0.84	7200	M043271_M_-.55C--	41	80
45	20.61	114	3.94	7200	M052220_M_-.55C--	40	80
42	22.00	122	3.70	7200	M052222_M_-.55C--	40	80
34	27.30	151	2.98	7200	M052228_M_-.55C--	40	80
29	32.19	178	2.53	7143	M052232_M_-.55C--	40	80
26	35.25	195	2.32	6955	M052236_M_-.55C--	40	80
22	43.20	239	1.84	6522	M052245_M_-.55C--	40	80
19	48.15	267	1.43	6707	M052250_M_-.55C--	40	80
17	54.00	299	0.91	7126	M052256_M_-.55C--	40	80
16	58.38	320	1.41	7200	M053256_M_-.55C--	41	80
14	64.29	352	1.28	7200	M053263_M_-.55C--	41	80
13	73.95	405	1.11	7200	M053271_M_-.55C--	41	80
12	80.40	440	1.02	7200	M053280_M_-.55C--	41	80
10	96.52	529	0.86	7200	M0532100_M_-.55C--	41	80
28	33.80	187	3.35	7200	M062232_M_-.55C--	45	80
23	39.86	221	2.84	7200	M062236_M_-.55C--	45	80
21	43.64	242	2.60	7200	M062245_M_-.55C--	45	80
17	53.49	296	1.85	7200	M062250_M_-.55C--	45	80
16	59.61	330	1.43	7200	M062256_M_-.55C--	45	80
14	66.86	370	0.90	7200	M062263_M_-.55C--	45	80
13	72.28	396	1.59	7200	M063263_M_-.55C--	46	80
12	79.60	436	1.44	7200	M063271_M_-.55C--	46	80
10	91.56	502	1.25	7200	M063280_M_-.55C--	46	80
9.3	99.54	545	1.15	7200	M0632100_M_-.55C--	46	80
7.8	119.50	655	0.96	7200	M0632112_M_-.55C--	46	80
6.5	143.39	786	0.80	7200	M0632125_M_-.55C--	46	80
22	42.21	234	3.75	7200	M072245_M_-.55C--	55	80
19	48.56	269	2.63	7200	M072250_M_-.55C--	55	80
17	53.96	299	2.02	7200	M072256_M_-.55C--	55	80

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



SELECTION TABLES

0.55 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
16	58.95	323	2.68	9200	M073256_M_-.55C--	56	80
15	62.83	344	2.53	9200	M073263_M_-.55C--	56	80
12	74.47	408	2.13	9200	M073271_M_-.55C--	56	80
12	79.51	436	2.00	9200	M073280_M_-.55C--	56	80
9.4	98.66	541	1.61	9200	M0732100_M_-.55C--	56	80
8.0	116.34	637	1.37	9200	M0732112_M_-.55C--	56	80
7.3	127.39	698	1.25	9200	M0732125_M_-.55C--	56	80
6.0	156.12	855	1.03	9200	M0732160_M_-.55C--	56	80
5.3	174.01	953	0.94	9200	M0732180_M_-.55C--	56	80
4.8	195.15	1069	0.84	9200	M0732200_M_-.55C--	56	80
11	84.31	462	3.68	16200	M083280_M_-.55C--	92	80
9.1	102.20	560	3.04	16200	M0832100_M_-.55C--	92	80
7.8	119.19	653	2.60	16200	M0832112_M_-.55C--	92	80
7.1	130.92	717	2.37	16200	M0832125_M_-.55C--	92	80
5.8	160.45	879	1.93	16200	M0832160_M_-.55C--	92	80
5.3	175.21	960	1.77	16200	M0832180_M_-.55C--	92	80
4.6	201.75	1105	1.54	16200	M0832200_M_-.55C--	92	80
4.1	228.91	1228	1.38	16200	M0842225_M_-.55C--	113	80
3.6	258.98	1390	1.22	16200	M0842250_M_-.55C--	113	80
3.1	301.21	1616	1.05	16200	M0842280_M_-.55C--	113	80
2.8	337.01	1808	0.94	16200	M0842300_M_-.55C--	113	80
5.9	157.10	861	3.61	20500	M0932160_M_-.55C--	148	80
5.4	171.55	940	3.31	20500	M0932180_M_-.55C--	148	80
4.7	197.54	1082	2.87	20500	M0932200_M_-.55C--	148	80
4.0	231.85	1244	2.50	20500	M0942225_M_-.55C--	168	80
3.6	258.09	1385	2.25	20500	M0942250_M_-.55C--	168	80
3.2	286.74	1538	2.02	20500	M0942280_M_-.55C--	168	80
3.1	300.18	1611	1.93	20500	M0942300_M_-.55C--	168	80
2.6	357.95	1921	1.62	20500	M0942360_M_-.55C--	168	80
2.3	397.69	2134	1.46	20500	M0942400_M_-.55C--	168	80
2.1	452.94	2430	1.28	20500	M0942450_M_-.55C--	168	80
1.8	503.22	2700	1.15	20500	M0942500_M_-.55C--	168	80
1.4	665.75	3572	0.87	20190	M0942650_M_-.55C--	168	80
3.7	254.58	1366	3.50	30000	M1042250_M_-.55C--	220	80
3.3	278.36	1494	3.20	30000	M1042280_M_-.55C--	220	80
3.0	309.32	1660	2.88	30000	M1042300_M_-.55C--	220	80
2.5	365.56	1961	2.44	30000	M1042360_M_-.55C--	220	80
2.3	398.71	2139	2.23	30000	M1042400_M_-.55C--	220	80
2.0	457.22	2453	1.95	30000	M1042450_M_-.55C--	220	80
1.9	500.94	2688	1.78	30000	M1042500_M_-.55C--	220	80
1.5	635.68	3411	1.40	30000	M1042650_M_-.55C--	220	80
1.3	727.99	3906	1.22	30000	M1042730_M_-.55C--	220	80
1.1	844.72	4532	1.05	30000	M1042860_M_-.55C--	220	80
0.94	987.84	5300	0.90	30000	M104210C_M_-.55C--	220	80
0.84	1107.30	5941	0.80	30000	M104211C_M_-.55C--	220	80
2	482.96	2591	3.74	48000	M1342450_M_-.55C--	324	80
2	546.05	2930	3.31	48000	M1342500_M_-.55C--	324	80
1.4	664.21	3564	2.72	48000	M1342650_M_-.55C--	324	80
1.3	729.13	3912	2.48	48000	M1342730_M_-.55C--	324	80
1.1	860.03	4614	2.10	48000	M1342860_M_-.55C--	324	80
0.93	997.11	5350	1.81	48000	M134210C_M_-.55C--	324	80
0.87	1067.83	5729	1.69	48000	M134211C_M_-.55C--	324	80
0.71	1302.41	6988	1.39	48000	M134213C_M_-.55C--	324	80
0.61	1521.33	8163	1.19	48000	M134215C_M_-.55C--	324	80
0.52	1798.16	9648	1.01	48000	M134218C_M_-.55C--	324	80
0.52	1798.16	9648	1.01	48000	M134220C_M_-.55C--	324	80
1.2	754.34	4047	3.21	68000	M1442730_M_-.55C--	420	80
1.1	852.89	4576	2.84	68000	M1442860_M_-.55C--	420	80
0.93	997.48	5352	2.43	68000	M144210C_M_-.55C--	420	80
0.80	1156.47	6205	2.10	68000	M144211C_M_-.55C--	420	80
0.72	1291.58	6930	1.88	68000	M144213C_M_-.55C--	420	80
0.62	1510.56	8105	1.60	68000	M144215C_M_-.55C--	420	80
0.47	1981.35	10631	1.22	68000	M144220C_M_-.55C--	420	80
0.38	2445.42	13121	0.99	67931	M144224C_M_-.55C--	420	80
0.34	2717.13	14579	0.89	67148	M144227C_M_-.55C--	420	80

NOTE

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



SELECTION TABLES

0.75kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
379	3.75	19	3.24	1411	M01223.6_M_-.75A--	28	80
280	5.07	25	2.72	1474	M01225.0_M_-.75A--	28	80
247	5.76	28	2.54	1507	M01225.6_M_-.75A--	28	80
217	6.53	32	2.34	1526	M01226.3_M_-.75A--	28	80
170	8.35	41	1.94	1581	M01228.0_M_-.75A--	28	80
158	9.00	44	1.82	1591	M01229.0_M_-.75A--	28	80
125	11.36	56	1.51	1664	M012211_M_-.75A--	28	80
110	12.88	64	1.38	1741	M012212_M_-.75A--	28	80
97	14.71	73	1.25	1814	M012214_M_-.75A--	28	80
87	16.37	81	1.12	1863	M012216_M_-.75A--	28	80
79	18.05	89	1.02	1900	M012218_M_-.75A--	28	80
72	19.86	98	0.93	1885	M012220_M_-.75A--	28	80
178	8.00	40	3.47	3417	M02228.0_M_-.75A--	30	80
156	9.09	45	3.14	3425	M02229.0_M_-.75A--	30	80
127	11.15	55	2.65	3506	M022211_M_-.75A--	30	80
115	12.37	61	2.45	3565	M022212_M_-.75A--	30	80
101	14.05	69	2.22	3734	M022214_M_-.75A--	30	80
89	15.97	79	2.04	3926	M022216_M_-.75A--	30	80
81	17.58	87	1.86	4000	M022218_M_-.75A--	30	80
70	20.23	100	1.61	4000	M022220_M_-.75A--	30	80
65	21.99	109	1.48	4000	M022222_M_-.75A--	30	80
54	26.40	130	1.24	4000	M022228_M_-.75A--	30	80
45	31.68	157	1.04	4000	M022232_M_-.75A--	30	80
40	35.69	176	0.92	4000	M022236_M_-.75A--	30	80
156	9.09	45	3.76	2707	M03229.0_M_-.75A--	30	80
127	11.15	55	3.28	2667	M032211_M_-.75A--	30	80
115	12.37	61	3.07	2749	M032212_M_-.75A--	30	80
101	14.05	69	2.81	2935	M032214_M_-.75A--	30	80
89	15.97	79	2.63	3148	M032216_M_-.75A--	30	80
81	17.58	87	2.42	3284	M032218_M_-.75A--	30	80
70	20.23	100	2.11	3496	M032220_M_-.75A--	30	80
65	21.99	109	1.94	3603	M032222_M_-.75A--	30	80
54	26.40	130	1.63	3366	M032228_M_-.75A--	30	80
45	31.68	157	1.35	3132	M032232_M_-.75A--	30	80
40	35.69	176	1.20	3122	M032236_M_-.75A--	30	80
34	41.49	205	0.98	3630	M032245_M_-.75A--	30	80
30	47.09	233	0.88	3944	M032250_M_-.75A--	30	80
82	17.39	86	3.96	6072	M042218_M_-.75A--	40	80
69	20.61	102	3.34	6360	M042220_M_-.75A--	40	80
65	22.00	109	3.13	6484	M042222_M_-.75A--	40	80
52	27.30	135	2.52	6897	M042228_M_-.75A--	40	80
44	32.19	159	2.15	7200	M042232_M_-.75A--	40	80
40	35.25	174	1.96	7200	M042236_M_-.75A--	40	80
33	43.20	214	1.60	7200	M042245_M_-.75A--	40	80
29	48.15	238	1.44	7200	M042250_M_-.75A--	40	80
26	54.00	267	1.03	7200	M042256_M_-.75A--	40	80
24	58.38	286	1.20	7200	M043256_M_-.75A--	41	80
22	64.29	315	1.09	7200	M043263_M_-.75A--	41	80
19	73.95	362	0.95	7200	M043271_M_-.75A--	41	80
18	80.40	393	0.87	7200	M043280_M_-.75A--	41	80
52	27.30	135	3.36	6844	M052228_M_-.75A--	40	80
44	32.19	159	2.85	7159	M052232_M_-.75A--	40	80
40	35.25	174	2.62	7200	M052236_M_-.75A--	40	80
33	43.20	214	1.99	7097	M052245_M_-.75A--	40	80
29	48.15	238	1.60	7117	M052250_M_-.75A--	40	80
26	54.00	267	1.03	7200	M052256_M_-.75A--	40	80
24	58.38	286	1.59	7200	M053256_M_-.75A--	41	80
22	64.29	315	1.44	7200	M053263_M_-.75A--	41	80
19	73.95	362	1.26	7200	M053271_M_-.75A--	41	80
18	80.40	393	1.16	7200	M053280_M_-.75A--	41	80
15	96.52	472	0.97	7200	M0532100_M_-.75A--	41	80
42	33.80	167	3.77	7200	M062232_M_-.75A--	45	80
36	39.86	197	3.21	7200	M062236_M_-.75A--	45	80
33	43.64	216	2.93	7200	M062245_M_-.75A--	45	80
27	53.49	264	2.02	7200	M062250_M_-.75A--	45	80
24	59.61	295	1.61	7200	M062256_M_-.75A--	45	80
21	66.86	330	1.01	7200	M062263_M_-.75A--	45	80
20	72.28	354	1.80	7200	M063263_M_-.75A--	46	80
18	79.60	389	1.61	7200	M063271_M_-.75A--	46	80
16	91.56	448	1.42	7200	M063280_M_-.75A--	46	80
14	99.54	487	1.30	7200	M0632100_M_-.75A--	46	80
12	119.50	585	1.08	7200	M0632112_M_-.75A--	46	80
10	143.39	702	0.91	7126	M0632125_M_-.75A--	46	80

NOTE

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SELECTION TABLES

0.75 kW

4 POLE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
29	48.56	240	2.97	8341	M072250_M_-.75A--	55	80
26	53.96	267	2.28	9200	M072256_M_-.75A--	55	80
24	58.95	288	2.64	9013	M073256_M_-.75A--	56	80
23	62.83	307	2.54	9200	M073263_M_-.75A--	56	80
19	74.47	364	2.26	9200	M073271_M_-.75A--	56	80
18	79.51	389	2.17	9200	M073280_M_-.75A--	56	80
14	98.66	483	1.82	9200	M0732100_M_-.75A--	56	80
12	116.34	569	1.55	9200	M0732112_M_-.75A--	56	80
11	127.39	623	1.42	9200	M0732125_M_-.75A--	56	80
9.1	156.12	764	1.16	9200	M0732160_M_-.75A--	56	80
8.2	174.01	851	1.04	9200	M0732180_M_-.75A--	56	80
7.3	195.15	955	0.93	9200	M0732200_M_-.75A--	56	80
13.9	102.20	500	3.40	16200	M0832100_M_-.75A--	92	80
11.9	119.19	583	2.92	16200	M0832112_M_-.75A--	92	80
10.8	130.92	641	2.65	16200	M0832125_M_-.75A--	92	80
8.9	160.45	785	2.17	16200	M0832160_M_-.75A--	92	80
8.1	175.21	857	1.98	16200	M0832180_M_-.75A--	92	80
7.0	201.75	987	1.72	16200	M0832200_M_-.75A--	92	80
6.2	228.91	1097	1.55	16200	M0842225_M_-.75A--	113	80
5.5	258.98	1241	1.37	16200	M0842250_M_-.75A--	113	80
4.7	301.21	1443	1.18	16200	M0842280_M_-.75A--	113	80
4.2	337.01	1615	1.05	16200	M0842300_M_-.75A--	113	80
4.0	359.19	1721	0.99	16200	M0842360_M_-.75A--	113	80
8.3	171.55	839	3.71	20500	M0932180_M_-.75A--	148	80
7.2	197.54	967	3.22	20500	M0932200_M_-.75A--	148	80
6.1	231.85	1111	2.80	20500	M0942225_M_-.75A--	168	80
5.5	258.09	1237	2.51	20500	M0942250_M_-.75A--	168	80
5.0	286.74	1374	2.26	20500	M0942280_M_-.75A--	168	80
4.7	300.18	1438	2.16	20500	M0942300_M_-.75A--	168	80
4.0	357.95	1715	1.81	20500	M0942360_M_-.75A--	168	80
3.6	397.69	1906	1.63	20500	M0942400_M_-.75A--	168	80
3.1	452.94	2170	1.43	20500	M0942450_M_-.75A--	168	80
2.8	503.22	2411	1.29	20500	M0942500_M_-.75A--	168	80
2.1	665.75	3190	0.97	20500	M0942650_M_-.75A--	168	80
1.9	736.35	3528	0.88	20500	M0942730_M_-.75A--	168	80
5.6	254.58	1220	3.92	30000	M1042250_M_-.75A--	220	80
5.1	278.36	1334	3.58	30000	M1042280_M_-.75A--	220	80
4.6	309.32	1482	3.22	30000	M1042300_M_-.75A--	220	80
3.9	365.56	1752	2.73	30000	M1042360_M_-.75A--	220	80
3.6	398.71	1911	2.50	30000	M1042400_M_-.75A--	220	80
3.1	457.22	2191	2.18	30000	M1042450_M_-.75A--	220	80
2.8	500.94	2400	1.99	30000	M1042500_M_-.75A--	220	80
2.2	635.68	3046	1.57	30000	M1042650_M_-.75A--	220	80
2.0	727.99	3488	1.37	30000	M1042730_M_-.75A--	220	80
1.7	844.72	4048	1.18	30000	M1042860_M_-.75A--	220	80
1.4	987.84	4734	1.01	30000	M104210C_M_-.75A--	220	80
1.3	1107.30	5306	0.90	30000	M104211C_M_-.75A--	220	80
2.6	546.05	2617	3.71	48000	M1342500_M_-.75A--	324	80
2.1	664.21	3183	3.05	48000	M1342650_M_-.75A--	324	80
1.9	729.13	3494	2.78	48000	M1342730_M_-.75A--	324	80
1.7	860.03	4121	2.35	48000	M1342860_M_-.75A--	324	80
1.4	997.11	4778	2.03	48000	M134210C_M_-.75A--	324	80
1.3	1067.83	5117	1.90	48000	M134211C_M_-.75A--	324	80
1.1	1302.41	6241	1.55	48000	M134213C_M_-.75A--	324	80
0.93	1521.33	7290	1.33	48000	M134215C_M_-.75A--	324	80
0.79	1798.16	8616	1.13	48000	M134218C_M_-.75A--	324	80
0.79	1798.16	8616	1.13	48000	M134220C_M_-.75A--	324	80
1.9	754.34	3615	3.60	68000	M1442730_M_-.75A--	420	80
1.7	852.89	4087	3.18	68000	M1442860_M_-.75A--	420	80
1.4	997.48	4780	2.72	68000	M144210C_M_-.75A--	420	80
1.2	1156.47	5542	2.35	68000	M144211C_M_-.75A--	420	80
1.1	1291.58	6189	2.10	68000	M144213C_M_-.75A--	420	80
0.94	1510.56	7238	1.80	68000	M144215C_M_-.75A--	420	80
0.78	1812.67	8686	1.50	68000	M144218C_M_-.75A--	420	80
0.72	1981.35	9494	1.37	68000	M144220C_M_-.75A--	420	80
0.58	2445.42	11718	1.11	68000	M144224C_M_-.75A--	420	80
0.52	2717.13	13020	1.00	68000	M144227C_M_-.75A--	420	80
0.52	2739.37	13127	0.99	68000	M145227C_M_-.75A--	421	80
0.43	3285.96	15746	0.83	68000	M145232C_M_-.75A--	421	80



SELECTION TABLES

0.75 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
248	3.75	28	2.41	1487	M01223.6_M_-.75C--	36	90S
183	5.07	38	1.99	1553	M01225.0_M_-.75C--	36	90S
161	5.76	43	1.80	1579	M01225.6_M_-.75C--	36	90S
142	6.53	49	1.62	1603	M01226.3_M_-.75C--	36	90S
111	8.35	63	1.35	1716	M01228.0_M_-.75C--	36	90S
103	9.00	68	1.28	1757	M01229.0_M_-.75C--	36	90S
82	11.36	86	1.05	1820	M012211_M_-.75C--	36	90S
72	12.88	97	0.93	1815	M012212_M_-.75C--	36	90S
63	14.71	111	0.81	1808	M012214_M_-.75C--	36	90S
185	5.03	38	3.45	3564	M02225.0_M_-.75C--	38	90S
168	5.55	42	3.20	3500	M02225.6_M_-.75C--	38	90S
148	6.30	48	2.90	3519	M02226.3_M_-.75C--	38	90S
116	8.00	60	2.40	3590	M02228.0_M_-.75C--	38	90S
102	9.09	69	2.19	3760	M02229.0_M_-.75C--	38	90S
83	11.15	84	1.88	4000	M022211_M_-.75C--	38	90S
75	12.37	93	1.71	4000	M022212_M_-.75C--	38	90S
66	14.05	106	1.51	4000	M022214_M_-.75C--	38	90S
58	15.97	121	1.33	4000	M022216_M_-.75C--	38	90S
53	17.58	133	1.21	4000	M022218_M_-.75C--	38	90S
46	20.23	153	1.05	4000	M022220_M_-.75C--	38	90S
42	21.99	166	0.97	4000	M022222_M_-.75C--	38	90S
35	26.40	199	0.81	4000	M022228_M_-.75C--	38	90S
168	5.55	42	3.80	2872	M03225.6_M_-.75C--	38	90S
148	6.30	48	3.51	2790	M03226.3_M_-.75C--	38	90S
116	8.00	60	3.02	2699	M03228.0_M_-.75C--	38	90S
102	9.09	69	2.77	2897	M03229.0_M_-.75C--	38	90S
83	11.15	84	2.41	3206	M032211_M_-.75C--	38	90S
75	12.37	93	2.24	3376	M032212_M_-.75C--	38	90S
66	14.05	106	1.98	3568	M032214_M_-.75C--	38	90S
58	15.97	121	1.74	3487	M032216_M_-.75C--	38	90S
53	17.58	133	1.58	3345	M032218_M_-.75C--	38	90S
46	20.23	153	1.38	3159	M032220_M_-.75C--	38	90S
42	21.99	166	1.27	3109	M032222_M_-.75C--	38	90S
35	26.40	199	1.05	3048	M032228_M_-.75C--	38	90S
29	31.68	239	0.88	2987	M032232_M_-.75C--	38	90S
74	12.54	95	3.57	6200	M042212_M_-.75C--	49	90S
64	14.58	110	3.09	6476	M042214_M_-.75C--	49	90S
57	16.31	123	2.76	6676	M042216_M_-.75C--	49	90S
53	17.39	131	2.59	6807	M042218_M_-.75C--	49	90S
45	20.61	156	2.19	7182	M042220_M_-.75C--	49	90S
42	22.00	166	2.05	7200	M042222_M_-.75C--	49	90S
34	27.30	206	1.65	7200	M042228_M_-.75C--	49	90S
29	32.19	243	1.40	7200	M042232_M_-.75C--	49	90S
26	35.25	266	1.28	7200	M042236_M_-.75C--	49	90S
22	43.20	326	1.04	7163	M042245_M_-.75C--	49	90S
19	48.15	363	0.94	7078	M042250_M_-.75C--	49	90S
57	16.31	123	3.66	6643	M052216_M_-.75C--	49	90S
53	17.39	131	3.43	6756	M052218_M_-.75C--	49	90S
45	20.61	156	2.89	7081	M052220_M_-.75C--	49	90S
42	22.00	166	2.71	7200	M052222_M_-.75C--	49	90S
34	27.30	206	2.18	7200	M052228_M_-.75C--	49	90S
29	32.19	243	1.85	6902	M052232_M_-.75C--	49	90S
26	35.25	266	1.70	6721	M052236_M_-.75C--	49	90S
22	43.20	326	1.35	6303	M052245_M_-.75C--	49	90S
19	48.15	363	1.05	6482	M052250_M_-.75C--	49	90S
16	58.38	436	1.03	7200	M053256_M_-.75C--	50	90S
14	64.29	480	0.94	7200	M053263_M_-.75C--	50	90S
13	73.95	552	0.82	7200	M053263_M_-.75C--	50	90S
36	25.51	193	3.25	7200	M062222_M_-.75C--	54	90S
34	27.24	206	3.04	7200	M062228_M_-.75C--	54	90S
28	33.80	255	2.45	7200	M062232_M_-.75C--	54	90S
23	39.86	301	2.08	7200	M062236_M_-.75C--	54	90S
21	43.64	329	1.90	7200	M062245_M_-.75C--	54	90S
17	53.49	404	1.35	7200	M062250_M_-.75C--	54	90S
16	59.61	450	1.05	7200	M062256_M_-.75C--	54	90S
13	72.28	540	1.16	7200	M063263_M_-.75C--	55	90S
12	79.60	595	1.05	7200	M063271_M_-.75C--	55	90S
10	91.56	684	0.92	7200	M063280_M_-.75C--	55	90S
9.3	99.54	744	0.84	7200	M0632100_M_-.75C--	55	90S

NOTE
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SELECTION TABLES

0.75 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
29	32.12	242	3.59	8517	M072232_M_-.75C--	63	90S
26	35.17	265	3.28	5812	M072236_M_-.75C--	63	90S
22	42.21	319	2.75	6986	M072245_M_-.75C--	63	90S
19	48.56	367	1.93	9200	M072250_M_-.75C--	63	90S
17	53.96	407	1.48	9200	M072256_M_-.75C--	63	90S
16	58.95	440	1.97	9200	M073256_M_-.75C--	64	90S
15	62.83	469	1.85	9200	M073263_M_-.75C--	64	90S
12	74.47	556	1.56	9200	M073271_M_-.75C--	64	90S
12	79.51	594	1.47	9200	M073280_M_-.75C--	64	90S
9.4	98.66	737	1.18	9200	M0732100_M_-.75C--	64	90S
8.0	116.34	869	1.00	9200	M0732112_M_-.75C--	64	90S
7.3	127.39	952	0.92	9200	M0732125_M_-.75C--	64	90S
17	55.80	421	3.72	16200	M082256_M_-.75C--	98	90S
15	60.33	451	3.77	16200	M083256_M_-.75C--	100	90S
14	66.02	493	3.45	16200	M083263_M_-.75C--	100	90S
12	74.69	558	3.05	16200	M083271_M_-.75C--	100	90S
11	84.31	630	2.70	16200	M083280_M_-.75C--	100	90S
9.1	102.20	763	2.23	16200	M0832100_M_-.75C--	100	90S
7.8	119.19	890	1.91	16200	M0832112_M_-.75C--	100	90S
7.1	130.92	978	1.74	16200	M0832125_M_-.75C--	100	90S
5.8	160.45	1199	1.42	16200	M0832160_M_-.75C--	100	90S
5.3	175.21	1309	1.30	16200	M0832180_M_-.75C--	100	90S
4.6	201.75	1507	1.13	16200	M0832200_M_-.75C--	100	90S
4.1	228.91	1675	1.02	16200	M0842225_M_-.75C--	122	90S
8.0	116.70	872	3.57	20500	M0932112_M_-.75C--	156	90S
7.3	128.19	958	3.25	20500	M0932125_M_-.75C--	156	90S
5.9	157.10	1174	2.65	20500	M0932160_M_-.75C--	156	90S
5.4	171.55	1282	2.43	20500	M0932180_M_-.75C--	156	90S
4.7	197.54	1476	2.11	20500	M0932200_M_-.75C--	156	90S
4.0	231.85	1696	1.83	20500	M0942225_M_-.75C--	177	90S
3.6	258.09	1888	1.65	20500	M0942250_M_-.75C--	177	90S
3.2	286.74	2098	1.48	20500	M0942280_M_-.75C--	177	90S
3.1	300.18	2196	1.42	20500	M0942300_M_-.75C--	177	90S
2.6	357.95	2619	1.19	20500	M0942360_M_-.75C--	177	90S
2.3	397.69	2910	1.07	20500	M0942400_M_-.75C--	177	90S
2.1	452.94	3314	0.94	20500	M0942450_M_-.75C--	177	90S
1.8	503.22	3682	0.84	20500	M0942500_M_-.75C--	177	90S
4.2	220.22	1611	2.97	30000	M1042225_M_-.75C--	228	90S
3.7	254.58	1863	2.57	30000	M1042250_M_-.75C--	228	90S
3.3	278.36	2037	2.35	30000	M1042280_M_-.75C--	228	90S
3.0	309.32	2263	2.11	30000	M1042300_M_-.75C--	228	90S
2.5	365.56	2675	1.79	30000	M1042360_M_-.75C--	228	90S
2.3	398.71	2917	1.64	30000	M1042400_M_-.75C--	228	90S
2.0	457.22	3345	1.43	30000	M1042450_M_-.75C--	228	90S
1.9	500.94	3665	1.30	30000	M1042500_M_-.75C--	228	90S
1.5	635.68	4651	1.03	30000	M1042650_M_-.75C--	228	90S
1.3	727.99	5326	0.90	30000	M1042730_M_-.75C--	228	90S
2.5	370.11	2708	3.58	48000	M1342360_M_-.75C--	332	90S
2.2	418.46	3062	3.17	48000	M1342400_M_-.75C--	332	90S
1.9	482.96	3534	2.75	48000	M1342450_M_-.75C--	332	90S
1.7	546.05	3995	2.43	48000	M1342500_M_-.75C--	332	90S
1.4	664.21	4860	2.00	48000	M1342650_M_-.75C--	332	90S
1.3	729.13	5335	1.82	48000	M1342730_M_-.75C--	332	90S
1.1	860.03	6292	1.54	48000	M1342860_M_-.75C--	332	90S
0.93	997.11	7295	1.33	48000	M134210C_M_-.75C--	332	90S
0.87	1067.83	7813	1.24	48000	M134211C_M_-.75C--	332	90S
0.71	1302.41	9529	1.02	48000	M134213C_M_-.75C--	332	90S
1.8	506.63	3707	3.51	68000	M1442500_M_-.75C--	428	90S
1.4	656.00	4800	2.71	68000	M1442650_M_-.75C--	428	90S
1.2	754.34	5519	2.36	68000	M1442730_M_-.75C--	428	90S
1.1	852.89	6240	2.08	68000	M1442860_M_-.75C--	428	90S
0.93	997.48	7298	1.78	68000	M144210C_M_-.75C--	428	90S
0.80	1156.47	8461	1.54	68000	M144211C_M_-.75C--	428	90S
0.72	1291.58	9450	1.38	68000	M144213C_M_-.75C--	428	90S
0.62	1510.56	11052	1.18	68000	M144215C_M_-.75C--	428	90S
0.51	1812.67	13262	0.98	68000	M144218C_M_-.75C--	428	90S
0.47	1981.35	14497	0.90	68000	M144220C_M_-.75C--	428	90S

NOTE

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SELECTION TABLES

1.1 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
381	3.75	27	2.20	1352	M01223.6_M_-1.1A--	36	90S
282	5.07	37	1.86	1414	M01225.0_M_-1.1A--	36	90S
248	5.76	41	1.72	1444	M01225.6_M_-1.1A--	36	90S
219	6.53	47	1.60	1463	M01226.3_M_-1.1A--	36	90S
171	8.35	60	1.32	1516	M01228.0_M_-1.1A--	36	90S
159	9.00	65	1.24	1526	M01229.0_M_-1.1A--	36	90S
126	11.36	82	1.03	1595	M012211_M_-1.1A--	36	90S
111	12.88	93	0.94	1668	M012212_M_-1.1A--	36	90S
97	14.71	106	0.85	1739	M012214_M_-1.1A--	36	90S
398	3.59	26	3.88	3668	M02223.6_M_-1.1A--	38	90S
284	5.03	36	3.20	3501	M02225.0_M_-1.1A--	38	90S
258	5.55	40	3.03	3457	M02225.6_M_-1.1A--	38	90S
227	6.30	45	2.80	3393	M02226.3_M_-1.1A--	38	90S
179	8.00	58	2.36	3275	M02228.0_M_-1.1A--	38	90S
157	9.09	65	2.14	3284	M02229.0_M_-1.1A--	38	90S
128	11.15	80	1.81	3362	M022211_M_-1.1A--	38	90S
116	12.37	89	1.66	3416	M022212_M_-1.1A--	38	90S
102	14.05	101	1.51	3579	M022214_M_-1.1A--	38	90S
90	15.97	115	1.39	3764	M022216_M_-1.1A--	38	90S
81	17.58	127	1.26	3981	M022218_M_-1.1A--	38	90S
71	20.23	146	1.10	4000	M022220_M_-1.1A--	38	90S
65	21.99	158	1.01	4000	M022222_M_-1.1A--	38	90S
54	26.40	190	0.84	4000	M022228_M_-1.1A--	38	90S
284	5.03	36	3.73	2901	M03225.0_M_-1.1A--	38	90S
258	5.55	40	3.51	2859	M03225.6_M_-1.1A--	38	90S
227	6.30	45	3.24	2777	M03226.3_M_-1.1A--	38	90S
179	8.00	58	2.80	2654	M03228.0_M_-1.1A--	38	90S
157	9.09	65	2.57	2596	M03229.0_M_-1.1A--	38	90S
128	11.15	80	2.23	2556	M032211_M_-1.1A--	38	90S
116	12.37	89	2.09	2635	M032212_M_-1.1A--	38	90S
102	14.05	101	1.92	2815	M032214_M_-1.1A--	38	90S
90	15.97	115	1.79	3017	M032216_M_-1.1A--	38	90S
81	17.58	127	1.64	3147	M032218_M_-1.1A--	38	90S
71	20.23	146	1.44	3352	M032220_M_-1.1A--	38	90S
65	21.99	158	1.33	3456	M032222_M_-1.1A--	38	90S
54	26.40	190	1.11	3227	M032228_M_-1.1A--	38	90S
45	31.68	228	0.92	3003	M032232_M_-1.1A--	38	90S
40	35.69	257	0.82	2993	M032236_M_-1.1A--	38	90S
131	10.89	78	3.97	5341	M042211_M_-1.1A--	49	90S
114	12.54	90	3.54	5448	M042212_M_-1.1A--	49	90S
98	14.58	105	3.13	5567	M042214_M_-1.1A--	49	90S
88	16.31	117	2.88	5718	M042216_M_-1.1A--	49	90S
82	17.39	125	2.72	5826	M042218_M_-1.1A--	49	90S
69	20.61	148	2.29	6102	M042220_M_-1.1A--	49	90S
65	22.00	158	2.15	6221	M042222_M_-1.1A--	49	90S
52	27.30	197	1.73	6617	M042228_M_-1.1A--	49	90S
44	32.19	232	1.47	6968	M042232_M_-1.1A--	49	90S
41	35.25	254	1.34	7167	M042236_M_-1.1A--	49	90S
33	43.20	311	1.09	7200	M042245_M_-1.1A--	49	90S
30	48.15	347	0.98	7115	M042250_M_-1.1A--	49	90S
88	16.31	117	3.83	5680	M052216_M_-1.1A--	49	90S
82	17.39	125	3.59	5790	M052218_M_-1.1A--	49	90S
69	20.61	148	3.03	6067	M052220_M_-1.1A--	49	90S
65	22.00	158	2.84	6181	M052222_M_-1.1A--	49	90S
52	27.30	197	2.29	6561	M052228_M_-1.1A--	49	90S
44	32.19	232	1.94	6863	M052232_M_-1.1A--	49	90S
41	35.25	254	1.78	7043	M052236_M_-1.1A--	49	90S
33	43.20	311	1.37	6810	M052245_M_-1.1A--	49	90S
30	48.15	347	1.10	6829	M052250_M_-1.1A--	49	90S
24	58.38	416	1.08	7200	M053256_M_-1.1A--	50	90S
22	64.29	458	0.98	7200	M053263_M_-1.1A--	50	90S
19	73.95	527	0.85	7200	M053271_M_-1.1A--	50	90S
56	25.51	184	3.40	7200	M062222_M_-1.1A--	54	90S
52	27.24	196	3.19	7200	M062228_M_-1.1A--	54	90S
42	33.80	243	2.57	7200	M062232_M_-1.1A--	54	90S
36	39.86	287	2.18	7200	M062236_M_-1.1A--	54	90S
33	43.64	314	1.99	7200	M062245_M_-1.1A--	54	90S
27	53.49	385	1.37	7200	M062250_M_-1.1A--	54	90S
24	59.61	429	1.10	7200	M062256_M_-1.1A--	54	90S
20	72.28	515	1.22	7200	M063263_M_-1.1A--	55	90S
18	79.60	567	1.10	7200	M063271_M_-1.1A--	55	90S
16	91.56	652	0.96	7200	M063280_M_-1.1A--	55	90S
14	99.54	709	0.88	7200	M0632100_M_-1.1A--	55	90S

NOTE

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SELECTION TABLES

1.1 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
45	32.12	231	3.63	5359	M072232_M_-1.1A--	63	90S
41	35.17	253	3.35	5824	M072236_M_-1.1A--	63	90S
34	42.21	304	2.86	7016	M072245_M_-1.1A--	63	90S
29	48.56	350	2.02	7995	M072250_M_-1.1A--	63	90S
27	53.96	388	1.55	9200	M072256_M_-1.1A--	63	90S
24	58.95	420	1.79	8638	M073256_M_-1.1A--	64	90S
23	62.83	448	1.72	9200	M073263_M_-1.1A--	64	90S
19	74.47	531	1.54	9200	M073271_M_-1.1A--	64	90S
18	79.51	567	1.48	9200	M073280_M_-1.1A--	64	90S
14	98.66	703	1.24	9200	M0732100_M_-1.1A--	64	90S
12	116.34	829	1.05	9200	M0732112_M_-1.1A--	64	90S
11	127.39	908	0.96	9200	M0732125_M_-1.1A--	64	90S
26	55.80	402	3.85	16200	M082256_M_-1.1A--	98	90S
24	60.33	430	3.74	16200	M083256_M_-1.1A--	100	90S
22	66.02	470	3.51	16200	M083263_M_-1.1A--	100	90S
19	74.69	532	3.19	16200	M083271_M_-1.1A--	100	90S
17	84.31	601	2.83	16200	M083280_M_-1.1A--	100	90S
14	102.20	728	2.33	16200	M0832100_M_-1.1A--	100	90S
12	119.19	849	2.00	16200	M0832112_M_-1.1A--	100	90S
11	130.92	933	1.82	16200	M0832125_M_-1.1A--	100	90S
8.9	160.45	1143	1.49	16200	M0832160_M_-1.1A--	100	90S
8.2	175.21	1249	1.36	16200	M0832180_M_-1.1A--	100	90S
7.1	201.75	1438	1.18	16200	M0832200_M_-1.1A--	100	90S
6.2	228.91	1598	1.06	16200	M0842225_M_-1.1A--	122	90S
5.5	259.72	1813	0.94	16086	M0842250_M_-1.1A--	122	90S
5.0	286.47	1999	0.85	15914	M0842250_M_-1.1A--	122	90S
12	116.70	832	3.74	20500	M0932112_M_-1.1A--	156	90S
11	128.19	913	3.40	20500	M0932125_M_-1.1A--	156	90S
9.1	157.10	1119	2.78	20500	M0932160_M_-1.1A--	156	90S
8.3	171.55	1222	2.54	20500	M0932180_M_-1.1A--	156	90S
7.2	197.54	1408	2.21	20500	M0932200_M_-1.1A--	156	90S
6.2	231.85	1618	1.92	20500	M0942225_M_-1.1A--	177	90S
5.5	258.09	1801	1.73	20500	M0942250_M_-1.1A--	177	90S
5.0	286.74	2001	1.55	20500	M0942280_M_-1.1A--	177	90S
4.8	300.18	2095	1.48	20500	M0942300_M_-1.1A--	177	90S
4.0	357.95	2498	1.24	20500	M0942360_M_-1.1A--	177	90S
3.6	397.69	2775	1.12	20500	M0942400_M_-1.1A--	177	90S
3.2	452.94	3161	0.98	20463	M0942450_M_-1.1A--	177	90S
2.8	503.22	3512	0.89	20228	M0942500_M_-1.1A--	177	90S
6.5	220.22	1537	3.11	30000	M1042225_M_-1.1A--	228	90S
5.6	254.58	1777	2.69	30000	M1042250_M_-1.1A--	228	90S
5.1	278.36	1943	2.46	30000	M1042280_M_-1.1A--	228	90S
4.6	309.32	2159	2.21	30000	M1042300_M_-1.1A--	228	90S
3.9	365.56	2551	1.87	30000	M1042360_M_-1.1A--	228	90S
3.6	398.71	2783	1.72	30000	M1042400_M_-1.1A--	228	90S
3.1	457.22	3191	1.50	30000	M1042450_M_-1.1A--	228	90S
2.9	500.94	3496	1.37	30000	M1042500_M_-1.1A--	228	90S
2.2	635.68	4436	1.08	30000	M1042650_M_-1.1A--	228	90S
2.0	727.99	5081	0.94	30000	M1042730_M_-1.1A--	228	90S
1.7	844.72	5895	0.81	30000	M1042860_M_-1.1A--	228	90S
3.9	370.11	2583	3.76	48000	M1342360_M_-1.1A--	332	90S
3.4	418.46	2920	3.32	48000	M1342400_M_-1.1A--	332	90S
3.0	482.96	3371	2.88	48000	M1342450_M_-1.1A--	332	90S
2.6	546.05	3811	2.55	48000	M1342500_M_-1.1A--	332	90S
2.2	664.21	4635	2.09	48000	M1342650_M_-1.1A--	332	90S
2.0	729.13	5088	1.91	48000	M1342730_M_-1.1A--	332	90S
1.7	860.03	6002	1.62	48000	M1342860_M_-1.1A--	332	90S
1.4	997.11	6959	1.39	48000	M134210C_M_-1.1A--	332	90S
1.3	1067.83	7452	1.30	48000	M134211C_M_-1.1A--	332	90S
1.1	1302.41	9089	1.07	48000	M134213C_M_-1.1A--	332	90S
2.8	506.63	3536	3.68	68000	M1442500_M_-1.1A--	428	90S
2.2	656.00	4578	2.84	68000	M1442650_M_-1.1A--	428	90S
1.9	754.34	5264	2.47	68000	M1442730_M_-1.1A--	428	90S
1.7	852.89	5952	2.18	68000	M1442860_M_-1.1A--	428	90S
1.4	997.48	6961	1.87	68000	M144210C_M_-1.1A--	428	90S
1.2	1156.47	8071	1.61	68000	M144211C_M_-1.1A--	428	90S
1.1	1291.58	9014	1.44	68000	M144213C_M_-1.1A--	428	90S
0.95	1510.56	10542	1.23	68000	M144215C_M_-1.1A--	428	90S
0.79	1812.67	12650	1.03	68000	M144218C_M_-1.1A--	428	90S
0.72	1981.35	13828	0.94	68000	M144220C_M_-1.1A--	428	90S

NOTE

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SELECTION TABLES

1.1 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
248	3.75	42	1.66	1427	M01223.6_M_-1.1C--	38	90L
183	5.07	56	1.36	1490	M01225.0_M_-1.1C--	38	90L
161	5.76	64	1.24	1515	M01225.6_M_-1.1C--	38	90L
142	6.53	72	1.11	1537	M01226.3_M_-1.1C--	38	90L
111	8.35	92	0.93	1647	M01228.0_M_-1.1C--	38	90L
259	3.59	40	2.92	3589	M02223.6_M_-1.1C--	40	90L
185	5.03	56	2.37	3420	M02225.0_M_-1.1C--	40	90L
168	5.55	61	2.19	3357	M02225.6_M_-1.1C--	40	90L
148	6.30	70	1.99	3376	M02226.3_M_-1.1C--	40	90L
116	8.00	89	1.65	3445	M02228.0_M_-1.1C--	40	90L
102	9.09	101	1.50	3607	M02229.0_M_-1.1C--	40	90L
83	11.15	123	1.28	3874	M022211_M_-1.1C--	40	90L
75	12.37	137	1.17	4000	M022212_M_-1.1C--	40	90L
66	14.05	156	1.03	4000	M022214_M_-1.1C--	40	90L
58	15.97	177	0.91	3956	M022216_M_-1.1C--	40	90L
53	17.58	195	0.83	3919	M022218_M_-1.1C--	40	90L
259	3.59	40	3.40	3020	M03223.6_M_-1.1C--	40	90L
185	5.03	56	2.77	2819	M03225.0_M_-1.1C--	40	90L
168	5.55	61	2.60	2755	M03225.6_M_-1.1C--	40	90L
148	6.30	70	2.40	2676	M03226.3_M_-1.1C--	40	90L
116	8.00	89	2.07	2589	M03228.0_M_-1.1C--	40	90L
102	9.09	101	1.90	2779	M03229.0_M_-1.1C--	40	90L
83	11.15	123	1.66	3077	M032211_M_-1.1C--	40	90L
75	12.37	137	1.53	3237	M032212_M_-1.1C--	40	90L
66	14.05	156	1.35	3421	M032214_M_-1.1C--	40	90L
58	15.97	177	1.19	3343	M032216_M_-1.1C--	40	90L
53	17.58	195	1.08	3207	M032218_M_-1.1C--	40	90L
46	20.23	224	0.94	3029	M032220_M_-1.1C--	40	90L
42	21.99	243	0.87	2984	M032222_M_-1.1C--	40	90L
74	12.54	139	2.43	5944	M042212_M_-1.1C--	51	90L
64	14.58	161	2.11	6209	M042214_M_-1.1C--	51	90L
57	16.31	181	1.88	6400	M042216_M_-1.1C--	51	90L
53	17.39	193	1.77	6526	M042218_M_-1.1C--	51	90L
45	20.61	228	1.49	6886	M042220_M_-1.1C--	51	90L
42	22.00	244	1.40	7023	M042222_M_-1.1C--	51	90L
34	27.30	302	1.13	7200	M042228_M_-1.1C--	51	90L
29	32.19	356	0.95	7093	M042232_M_-1.1C--	51	90L
26	35.25	390	0.87	7023	M042236_M_-1.1C--	51	90L
74	12.54	139	3.08	5884	M052212_M_-1.1C--	51	90L
64	14.58	161	2.79	6168	M052214_M_-1.1C--	51	90L
57	16.31	181	2.51	6374	M052216_M_-1.1C--	51	90L
53	17.39	193	2.35	6481	M052218_M_-1.1C--	51	90L
45	20.61	228	1.98	6792	M052220_M_-1.1C--	51	90L
42	22.00	244	1.86	6916	M052222_M_-1.1C--	51	90L
34	27.30	302	1.50	6932	M052228_M_-1.1C--	51	90L
29	32.19	356	1.27	6622	M052232_M_-1.1C--	51	90L
26	35.25	390	1.17	6450	M052236_M_-1.1C--	51	90L
22	43.20	478	0.92	6043	M052245_M_-1.1C--	51	90L
52	18.05	200	3.13	7200	M062216_M_-1.1C--	56	90L
46	20.20	224	2.81	7200	M062218_M_-1.1C--	56	90L
43	21.53	238	2.64	7200	M062220_M_-1.1C--	56	90L
36	25.51	282	2.22	7200	M062222_M_-1.1C--	56	90L
34	27.24	302	2.08	7200	M062228_M_-1.1C--	56	90L
28	33.80	374	1.68	7200	M062232_M_-1.1C--	56	90L
23	39.86	441	1.43	7200	M062236_M_-1.1C--	56	90L
21	43.64	483	1.31	7200	M062245_M_-1.1C--	56	90L
17	53.49	592	0.93	7200	M062250_M_-1.1C--	56	90L
45	20.54	227	3.71	5314	M072220_M_-1.1C--	65	90L
40	23.23	257	3.32	5820	M072222_M_-1.1C--	65	90L
35	26.93	298	2.91	7029	M072228_M_-1.1C--	65	90L
29	32.12	356	2.46	8170	M072232_M_-1.1C--	65	90L
26	35.17	389	2.25	5576	M072236_M_-1.1C--	65	90L
22	42.21	467	1.88	6699	M072245_M_-1.1C--	65	90L
19	48.56	538	1.32	9200	M072250_M_-1.1C--	65	90L
17	53.96	597	1.02	9200	M072256_M_-1.1C--	65	90L
16	58.95	646	1.35	9200	M073256_M_-1.1C--	66	90L
15	62.83	688	1.27	9200	M073263_M_-1.1C--	66	90L
12	74.47	816	1.07	9200	M073271_M_-1.1C--	66	90L
12	79.51	871	1.01	9200	M073280_M_-1.1C--	66	90L
9.4	98.66	1081	0.81	9200	M0732100_M_-1.1C--	66	90L

NOTE
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SELECTION TABLES

1.1 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
21	44.38	491	3.46	16200	M082245_M_-_.1.1C--	100	90L
19	48.46	536	3.17	16200	M082250_M_-_.1.1C--	100	90L
17	55.80	618	2.55	16200	M082256_M_-_.1.1C--	100	90L
15	60.33	661	2.57	16200	M083256_M_-_.1.1C--	102	90L
14	66.02	723	2.35	16200	M083263_M_-_.1.1C--	102	90L
12	74.69	818	2.08	16200	M083271_M_-_.1.1C--	102	90L
11	84.31	924	1.84	16200	M083280_M_-_.1.1C--	102	90L
9.1	102.20	1120	1.52	16200	M0832100_M_-_.1.1C--	102	90L
7.8	119.19	1306	1.30	16200	M0832112_M_-_.1.1C--	102	90L
7.1	130.92	1434	1.19	16200	M0832125_M_-_.1.1C--	102	90L
5.8	160.45	1758	0.97	16140	M0832160_M_-_.1.1C--	102	90L
5.3	175.21	1920	0.89	15985	M0832180_M_-_.1.1C--	102	90L
13	73.13	801	3.88	20500	M093271_M_-_.1.1C--	158	90L
11	82.55	904	3.44	20500	M093280_M_-_.1.1C--	158	90L
9.3	100.07	1096	2.84	20500	M0932100_M_-_.1.1C--	158	90L
8.0	116.70	1279	2.43	20500	M0932112_M_-_.1.1C--	158	90L
7.3	128.19	1405	2.21	20500	M0932125_M_-_.1.1C--	158	90L
5.9	157.10	1721	1.81	20500	M0932160_M_-_.1.1C--	158	90L
5.4	171.55	1880	1.65	20500	M0932180_M_-_.1.1C--	158	90L
4.7	197.54	2164	1.44	20500	M0932200_M_-_.1.1C--	158	90L
4.0	231.85	2488	1.25	20500	M0942225_M_-_.1.1C--	179	90L
3.6	258.09	2770	1.12	20500	M0942250_M_-_.1.1C--	179	90L
3.2	286.74	3077	1.01	20500	M0942280_M_-_.1.1C--	179	90L
3.1	300.18	3221	0.97	20421	M0942300_M_-_.1.1C--	179	90L
2.6	357.95	3841	0.81	20029	M0942360_M_-_.1.1C--	179	90L
4.2	220.22	2363	2.02	30000	M1042225_M_-_.1.1C--	230	90L
3.7	254.58	2732	1.75	30000	M1042250_M_-_.1.1C--	230	90L
3.3	278.36	2987	1.60	30000	M1042280_M_-_.1.1C--	230	90L
3.0	309.32	3319	1.44	30000	M1042300_M_-_.1.1C--	230	90L
2.5	365.56	3923	1.22	30000	M1042360_M_-_.1.1C--	230	90L
2.3	398.71	4279	1.12	30000	M1042400_M_-_.1.1C--	230	90L
2.0	457.22	4906	0.97	30000	M1042450_M_-_.1.1C--	230	90L
1.9	500.94	5376	0.89	30000	M1042500_M_-_.1.1C--	230	90L
3.6	258.39	2773	3.50	48000	M1342250_M_-_.1.1C--	334	90L
3.2	289.16	3103	3.13	48000	M1342280_M_-_.1.1C--	334	90L
2.9	323.18	3468	2.80	48000	M1342300_M_-_.1.1C--	334	90L
2.5	370.11	3972	2.44	48000	M1342360_M_-_.1.1C--	334	90L
2.2	418.46	4490	2.16	48000	M1342400_M_-_.1.1C--	334	90L
1.9	482.96	5183	1.87	48000	M1342450_M_-_.1.1C--	334	90L
1.7	546.05	5860	1.66	48000	M1342500_M_-_.1.1C--	334	90L
1.4	664.21	7128	1.36	48000	M1342650_M_-_.1.1C--	334	90L
1.3	729.13	7824	1.24	48000	M1342730_M_-_.1.1C--	334	90L
1.1	860.03	9229	1.05	48000	M1342860_M_-_.1.1C--	334	90L
0.93	997.11	10700	0.91	48000	M134210C_M_-_.1.1C--	334	90L
0.87	1067.83	11459	0.85	48000	M134211C_M_-_.1.1C--	334	90L
2.8	337.68	3624	3.59	68000	M1442300_M_-_.1.1C--	430	90L
2.6	352.51	3783	3.44	68000	M1442360_M_-_.1.1C--	430	90L
2.3	405.06	4347	2.99	68000	M1442400_M_-_.1.1C--	430	90L
2.0	459.33	4929	2.64	68000	M1442450_M_-_.1.1C--	430	90L
1.8	506.63	5437	2.39	68000	M1442500_M_-_.1.1C--	430	90L
1.4	656.00	7039	1.85	68000	M1442650_M_-_.1.1C--	430	90L
1.2	754.34	8095	1.61	68000	M1442730_M_-_.1.1C--	430	90L
1.1	852.89	9152	1.42	68000	M1442860_M_-_.1.1C--	430	90L
0.93	997.48	10704	1.21	68000	M144210C_M_-_.1.1C--	430	90L
0.80	1156.47	12410	1.05	68000	M144211C_M_-_.1.1C--	430	90L
0.72	1291.58	13860	0.94	68000	M144213C_M_-_.1.1C--	430	90L

NOTE
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SELECTION TABLES

1.5 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
381	3.75	37	1.63	1308	M01223.6_M_-1.5A--	38	90L
282	5.07	50	1.37	1366	M01225.0_M_-1.5A--	38	90L
248	5.76	57	1.27	1396	M01225.6_M_-1.5A--	38	90L
219	6.53	64	1.18	1416	M01226.3_M_-1.5A--	38	90L
171	8.35	82	0.97	1465	M01228.0_M_-1.5A--	38	90L
159	9.00	88	0.91	1474	M01229.0_M_-1.5A--	38	90L
398	3.59	35	2.87	3549	M02223.6_M_-1.5A--	40	90L
284	5.03	49	2.36	3385	M02225.0_M_-1.5A--	40	90L
258	5.55	54	2.23	3342	M02225.6_M_-1.5A--	40	90L
227	6.30	62	2.06	3281	M02226.3_M_-1.5A--	40	90L
179	8.00	79	1.74	3167	M02228.0_M_-1.5A--	40	90L
157	9.09	89	1.57	3173	M02229.0_M_-1.5A--	40	90L
128	11.15	109	1.33	3250	M022211_M_-1.5A--	40	90L
116	12.37	121	1.23	3304	M022212_M_-1.5A--	40	90L
102	14.05	138	1.12	3463	M022214_M_-1.5A--	40	90L
90	15.97	157	1.03	3642	M022216_M_-1.5A--	40	90L
81	17.58	173	0.93	3848	M022218_M_-1.5A--	40	90L
71	20.23	199	0.81	3906	M022220_M_-1.5A--	40	90L
398	3.59	35	3.38	3018	M03223.6_M_-1.5A--	40	90L
284	5.03	49	2.76	2807	M03225.0_M_-1.5A--	40	90L
258	5.55	54	2.59	2765	M03225.6_M_-1.5A--	40	90L
227	6.30	62	2.40	2687	M03226.3_M_-1.5A--	40	90L
179	8.00	79	2.06	2566	M03228.0_M_-1.5A--	40	90L
157	9.09	89	1.89	2510	M03229.0_M_-1.5A--	40	90L
128	11.15	109	1.65	2473	M032211_M_-1.5A--	40	90L
116	12.37	121	1.54	2548	M032212_M_-1.5A--	40	90L
102	14.05	138	1.41	2720	M032214_M_-1.5A--	40	90L
90	15.97	157	1.32	2918	M032216_M_-1.5A--	40	90L
81	17.58	173	1.21	3042	M032218_M_-1.5A--	40	90L
71	20.23	199	1.06	3240	M032220_M_-1.5A--	40	90L
65	21.99	216	0.97	3340	M032222_M_-1.5A--	40	90L
54	26.40	259	0.82	3121	M032228_M_-1.5A--	40	90L
114	12.54	123	2.60	5265	M042212_M_-1.5A--	51	90L
98	14.58	143	2.30	5381	M042214_M_-1.5A--	51	90L
88	16.31	160	2.11	5526	M042216_M_-1.5A--	51	90L
82	17.39	171	1.99	5631	M042218_M_-1.5A--	51	90L
69	20.61	202	1.68	5897	M042220_M_-1.5A--	51	90L
65	22.00	216	1.57	6013	M042222_M_-1.5A--	51	90L
52	27.30	268	1.27	6395	M042228_M_-1.5A--	51	90L
44	32.19	316	1.08	6734	M042232_M_-1.5A--	51	90L
41	35.25	346	0.99	6932	M042236_M_-1.5A--	51	90L
33	43.20	424	0.80	6959	M042240_M_-1.5A--	51	90L
114	12.54	123	3.47	5240	M052212_M_-1.5A--	51	90L
98	14.58	143	3.15	5366	M052214_M_-1.5A--	51	90L
88	16.31	160	2.82	5492	M052216_M_-1.5A--	51	90L
82	17.39	171	2.64	5596	M052218_M_-1.5A--	51	90L
69	20.61	202	2.23	5865	M052220_M_-1.5A--	51	90L
65	22.00	216	2.09	5975	M052222_M_-1.5A--	51	90L
52	27.30	268	1.68	6341	M052228_M_-1.5A--	51	90L
44	32.19	316	1.43	6636	M052232_M_-1.5A--	51	90L
41	35.25	346	1.31	6809	M052236_M_-1.5A--	51	90L
33	43.20	424	1.00	6582	M052245_M_-1.5A--	51	90L
79	18.05	177	3.37	7200	M062216_M_-1.5A--	56	90L
71	20.20	198	3.17	7200	M062218_M_-1.5A--	56	90L
66	21.53	211	2.97	7200	M062220_M_-1.5A--	56	90L
56	25.51	250	2.51	7200	M062222_M_-1.5A--	56	90L
52	27.24	267	2.35	7200	M062228_M_-1.5A--	56	90L
42	33.80	332	1.89	7200	M062232_M_-1.5A--	56	90L
36	39.86	391	1.61	7200	M062236_M_-1.5A--	56	90L
33	43.64	428	1.47	7200	M062245_M_-1.5A--	56	90L
27	53.49	525	1.01	7200	M062250_M_-1.5A--	56	90L
24	59.61	585	0.81	7035	M062256_M_-1.5A--	56	90L
62	23.23	228	3.59	4834	M072222_M_-1.5A--	65	90L
53	26.93	264	3.14	5104	M072228_M_-1.5A--	65	90L
45	32.12	315	2.68	5183	M072232_M_-1.5A--	65	90L
41	35.17	345	2.47	5633	M072236_M_-1.5A--	65	90L
34	42.21	414	2.11	6785	M072245_M_-1.5A--	65	90L
29	48.56	477	1.49	7732	M072250_M_-1.5A--	65	90L
27	53.96	530	1.14	9200	M072256_M_-1.5A--	65	90L

NOTE
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SELECTION TABLES

1.5 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
24	58.95	579	1.33	8358	M073256_M_-1.5A--	66	90L
23	62.83	617	1.27	9200	M073263_M_-1.5A--	66	90L
19	74.47	731	1.14	9200	M073271_M_-1.5A--	66	90L
18	79.51	781	1.09	9200	M073280_M_-1.5A--	66	90L
14	98.66	969	0.91	9200	M0732100_M_-1.5A--	66	90L
32	44.38	436	3.88	14278	M082245_M_-1.5A--	100	90L
30	48.46	476	3.55	15520	M082250_M_-1.5A--	100	90L
26	55.80	548	2.85	16200	M082256_M_-1.5A--	100	90L
24	60.33	586	2.76	16200	M083256_M_-1.5A--	102	90L
22	66.02	642	2.59	16200	M083263_M_-1.5A--	102	90L
19	74.69	726	2.34	16200	M083271_M_-1.5A--	102	90L
17	84.31	819	2.08	16200	M083280_M_-1.5A--	102	90L
14	102.20	993	1.71	16200	M0832100_M_-1.5A--	102	90L
12	119.19	1158	1.47	16200	M0832112_M_-1.5A--	102	90L
11	130.92	1272	1.34	16200	M0832125_M_-1.5A--	102	90L
9	160.45	1559	1.09	16200	M0832160_M_-1.5A--	102	90L
8	175.21	1703	1.00	16200	M0832180_M_-1.5A--	102	90L
7	201.75	1960	0.87	16200	M0832200_M_-1.5A--	102	90L
17	82.55	802	3.88	20500	M093280_M_-1.5A--	158	90L
14	100.07	972	3.20	20500	M0932100_M_-1.5A--	158	90L
12	116.70	1134	2.74	20500	M0932112_M_-1.5A--	158	90L
11	128.19	1246	2.50	20500	M0932125_M_-1.5A--	158	90L
9.1	157.10	1527	2.04	20500	M0932160_M_-1.5A--	158	90L
8.3	171.55	1667	1.87	20500	M0932180_M_-1.5A--	158	90L
7.2	197.54	1919	1.62	20500	M0932200_M_-1.5A--	158	90L
6.2	231.85	2253	1.38	20500	M0942225_M_-1.5A--	179	90L
5.5	258.09	2508	1.24	20500	M0942250_M_-1.5A--	179	90L
5.0	286.74	2786	1.12	20500	M0942280_M_-1.5A--	179	90L
4.8	300.18	2917	1.07	20500	M0942300_M_-1.5A--	179	90L
4.0	357.95	3478	0.89	20500	M0942360_M_-1.5A--	179	90L
3.6	397.69	3864	0.80	20500	M0942400_M_-1.5A--	179	90L
6.5	220.22	2096	2.28	30000	M1042225_M_-1.5A--	230	90L
5.6	254.58	2423	1.97	30000	M1042250_M_-1.5A--	230	90L
5.1	278.36	2649	1.80	30000	M1042280_M_-1.5A--	230	90L
4.6	309.32	2944	1.62	30000	M1042300_M_-1.5A--	230	90L
3.9	365.56	3479	1.37	30000	M1042360_M_-1.5A--	230	90L
3.6	398.71	3794	1.26	30000	M1042400_M_-1.5A--	230	90L
3.1	457.22	4351	1.10	30000	M1042450_M_-1.5A--	230	90L
2.9	500.94	4767	1.00	30000	M1042500_M_-1.5A--	230	90L
5.5	258.39	2459	3.94	48000	M1342250_M_-1.5A--	334	90L
4.9	289.16	2752	3.52	48000	M1342280_M_-1.5A--	334	90L
4.4	323.18	3076	3.15	48000	M1342300_M_-1.5A--	334	90L
3.9	370.11	3522	2.75	48000	M1342360_M_-1.5A--	334	90L
3.4	418.46	3982	2.44	48000	M1342400_M_-1.5A--	334	90L
3.0	482.96	4596	2.11	48000	M1342450_M_-1.5A--	334	90L
2.6	546.05	5197	1.87	48000	M1342500_M_-1.5A--	334	90L
2.2	664.21	6321	1.53	48000	M1342650_M_-1.5A--	334	90L
2.0	729.13	6939	1.40	48000	M1342730_M_-1.5A--	334	90L
1.7	860.03	8185	1.19	48000	M1342860_M_-1.5A--	334	90L
1.4	997.11	9489	1.02	48000	M134210C_M_-1.5A--	334	90L
1.3	1067.83	10162	0.95	48000	M134211C_M_-1.5A--	334	90L
3.5	405.06	3855	3.37	68000	M1442400_M_-1.5A--	430	90L
3.1	459.33	4371	2.97	68000	M1442450_M_-1.5A--	430	90L
2.8	506.63	4821	2.70	68000	M1442500_M_-1.5A--	430	90L
2.2	656.00	6243	2.08	68000	M1442650_M_-1.5A--	430	90L
1.9	754.34	7179	1.81	68000	M1442730_M_-1.5A--	430	90L
1.7	852.89	8117	1.60	68000	M1442860_M_-1.5A--	430	90L
1.4	997.48	9493	1.37	68000	M144210C_M_-1.5A--	430	90L
1.2	1156.47	11006	1.18	68000	M144211C_M_-1.5A--	430	90L
1.1	1291.58	12291	1.06	68000	M144213C_M_-1.5A--	430	90L

NOTE

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SELECTION TABLES

1.5 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
251	3.75	56	1.21	1379	M01223.6_M_-1.5C--	51	100L
185	5.07	76	1.00	1441	M01225.0_M_-1.5C--	51	100L
163	5.76	86	0.91	1464	M01225.6_M_-1.5C--	51	100L
144	6.53	97	0.82	1487	M01226.3_M_-1.5C--	51	100L
262	3.59	54	2.15	3383	M02223.6_M_-1.5C--	53	100L
187	5.03	75	1.74	3274	M02225.0_M_-1.5C--	53	100L
169	5.55	83	1.62	3300	M02225.6_M_-1.5C--	53	100L
149	6.30	94	1.47	3400	M02226.3_M_-1.5C--	53	100L
118	8.00	119	1.21	3524	M02228.0_M_-1.5C--	53	100L
103	9.09	136	1.11	3814	M02229.0_M_-1.5C--	53	100L
84	11.15	167	0.95	3977	M022211_M_-1.5C--	53	100L
76	12.37	185	0.87	3937	M022212_M_-1.5C--	53	100L
262	3.59	54	2.50	2920	M03223.6_M_-1.5C--	53	100L
187	5.03	75	2.04	2725	M03225.0_M_-1.5C--	53	100L
169	5.55	83	1.92	2664	M03225.6_M_-1.5C--	53	100L
149	6.30	94	1.78	2589	M03226.3_M_-1.5C--	53	100L
118	8.00	119	1.52	2503	M03228.0_M_-1.5C--	53	100L
103	9.09	136	1.40	2688	M03229.0_M_-1.5C--	53	100L
84	11.15	167	1.22	2974	M032211_M_-1.5C--	53	100L
76	12.37	185	1.13	3132	M032212_M_-1.5C--	53	100L
67	14.05	210	1.00	3310	M032214_M_-1.5C--	53	100L
59	15.97	239	0.88	3234	M032216_M_-1.5C--	53	100L
53	17.58	263	0.80	3103	M032218_M_-1.5C--	53	100L
187	5.04	75	3.61	4918	M04225.0_M_-1.5C--	63	100L
166	5.65	84	3.39	4964	M04225.6_M_-1.5C--	63	100L
148	6.34	95	3.11	5041	M04226.3_M_-1.5C--	63	100L
117	8.05	120	2.58	5227	M04228.0_M_-1.5C--	63	100L
103	9.13	136	2.34	5325	M04229.0_M_-1.5C--	63	100L
86	10.89	163	2.05	5518	M042211_M_-1.5C--	63	100L
75	12.54	187	1.80	5752	M042212_M_-1.5C--	63	100L
64	14.58	218	1.56	6007	M042214_M_-1.5C--	63	100L
58	16.31	244	1.40	6193	M042216_M_-1.5C--	63	100L
54	17.39	260	1.31	6314	M042218_M_-1.5C--	63	100L
46	20.61	308	1.10	6663	M042220_M_-1.5C--	63	100L
43	22.00	329	1.03	6796	M042222_M_-1.5C--	63	100L
34	27.30	408	0.83	6989	M042228_M_-1.5C--	63	100L
117	8.05	120	3.74	5249	M05228.0_M_-1.5C--	63	100L
103	9.13	136	3.30	5325	M05229.0_M_-1.5C--	63	100L
86	10.89	163	2.77	5503	M052211_M_-1.5C--	63	100L
75	12.54	187	2.28	5693	M052212_M_-1.5C--	63	100L
64	14.58	218	2.07	5968	M052214_M_-1.5C--	63	100L
58	16.31	244	1.85	6162	M052216_M_-1.5C--	63	100L
54	17.39	260	1.73	6268	M052218_M_-1.5C--	63	100L
46	20.61	308	1.46	6569	M052220_M_-1.5C--	63	100L
43	22.00	329	1.37	6687	M052222_M_-1.5C--	63	100L
34	27.30	408	1.10	6702	M052228_M_-1.5C--	63	100L
29	32.19	481	0.94	6403	M052232_M_-1.5C--	63	100L
27	35.25	526	0.85	6232	M052232_M_-1.5C--	63	100L
70	13.48	201	3.10	7200	M062212_M_-1.5C--	68	100L
61	15.52	232	2.70	7200	M062214_M_-1.5C--	68	100L
52	18.05	270	2.32	7200	M062216_M_-1.5C--	68	100L
47	20.20	302	2.07	7200	M062218_M_-1.5C--	68	100L
44	21.53	322	1.94	7200	M062220_M_-1.5C--	68	100L
37	25.51	381	1.64	7200	M062222_M_-1.5C--	68	100L
35	27.24	407	1.54	7200	M062228_M_-1.5C--	68	100L
28	33.80	505	1.24	7200	M062232_M_-1.5C--	68	100L
24	39.86	595	1.05	7200	M062236_M_-1.5C--	68	100L
22	43.64	652	0.96	7200	M062245_M_-1.5C--	68	100L
66	14.34	214	3.76	4628	M072214_M_-1.5C--	77	100L
58	16.26	243	3.37	4800	M072216_M_-1.5C--	77	100L
52	17.94	268	3.08	5093	M072218_M_-1.5C--	77	100L
46	20.54	307	2.73	5137	M072220_M_-1.5C--	77	100L
40	23.23	347	2.44	5626	M072222_M_-1.5C--	77	100L
35	26.93	402	2.14	6795	M072228_M_-1.5C--	77	100L
29	32.12	480	1.81	7899	M072232_M_-1.5C--	77	100L
27	35.17	525	1.65	5388	M072236_M_-1.5C--	77	100L
22	42.21	630	1.38	6475	M072245_M_-1.5C--	77	100L
19	48.56	725	0.97	9166	M072250_M_-1.5C--	77	100L
16	58.95	871	0.99	9200	M073256_M_-1.5C--	78	100L
15	62.83	929	0.93	9200	M073263_M_-1.5C--	78	100L

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SELECTION TABLES

1.5 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
33	28.27	422	3.96	14309	M082228_M_-1.5C--	111	100L
29	32.97	492	3.45	15471	M082232_M_-1.5C--	111	100L
26	36.21	541	3.14	15880	M082236_M_-1.5C--	111	100L
21	44.38	663	2.56	16200	M082245_M_-1.5C--	111	100L
19	48.46	724	2.35	16200	M082250_M_-1.5C--	111	100L
17	55.80	833	1.87	16200	M082256_M_-1.5C--	111	100L
16	60.33	892	1.91	16200	M083256_M_-1.5C--	113	100L
14	66.02	976	1.74	16200	M083263_M_-1.5C--	113	100L
13	74.69	1104	1.54	16200	M083271_M_-1.5C--	113	100L
11	84.31	1246	1.36	16200	M083280_M_-1.5C--	113	100L
9.2	102.20	1511	1.13	16200	M0832100_M_-1.5C--	113	100L
7.9	119.19	1762	0.96	16200	M0832112_M_-1.5C--	113	100L
7.2	130.92	1935	0.88	16200	M0832125_M_-1.5C--	113	100L
19	49.07	733	3.90	20500	M092250_M_-1.5C--	156	100L
17	55.18	824	3.22	20500	M092256_M_-1.5C--	156	100L
16	59.07	873	3.56	20500	M093256_M_-1.5C--	177	100L
15	64.64	956	3.25	20500	M093263_M_-1.5C--	177	100L
13	73.13	1081	2.88	20500	M093271_M_-1.5C--	177	100L
11	82.55	1220	2.55	20500	M093280_M_-1.5C--	177	100L
9.4	100.07	1479	2.10	20500	M0932100_M_-1.5C--	177	100L
8.1	116.70	1725	1.80	20500	M0932112_M_-1.5C--	177	100L
7.3	128.19	1895	1.64	20500	M0932125_M_-1.5C--	177	100L
6.0	157.10	2322	1.34	20500	M0932160_M_-1.5C--	177	100L
5.5	171.55	2536	1.23	20500	M0932180_M_-1.5C--	177	100L
4.8	197.54	2920	1.07	20500	M0932200_M_-1.5C--	177	100L
4.1	231.85	3357	0.93	20500	M0942225_M_-1.5C--	194	100L
3.6	258.09	3736	0.83	20500	M0942250_M_-1.5C--	194	100L
10	98.68	1459	3.28	30000	M1032100_M_-1.5C--	208	100L
8.2	113.96	1685	2.84	30000	M1032112_M_-1.5C--	208	100L
7.5	125.81	1860	2.57	30000	M1032125_M_-1.5C--	208	100L
6.1	152.91	2260	2.11	30000	M1032160_M_-1.5C--	208	100L
5.4	173.08	2558	1.87	30000	M1032180_M_-1.5C--	208	100L
4.8	194.62	2877	1.66	30000	M1032200_M_-1.5C--	208	100L
4.3	220.22	3188	1.50	30000	M1042225_M_-1.5C--	242	100L
3.7	254.58	3686	1.30	30000	M1042250_M_-1.5C--	242	100L
3.4	278.36	4030	1.19	30000	M1042280_M_-1.5C--	242	100L
3.0	309.32	4478	1.07	30000	M1042300_M_-1.5C--	242	100L
2.6	365.56	5292	0.90	30000	M1042360_M_-1.5C--	242	100L
5.3	176.56	2610	3.72	48000	M1332180_M_-1.5C--	305	100L
4.7	198.54	2935	3.21	48000	M1332200_M_-1.5C--	305	100L
4.2	224.86	3255	2.98	48000	M1342225_M_-1.5C--	335	100L
3.6	258.39	3741	2.59	48000	M1342250_M_-1.5C--	335	100L
3.3	289.16	4186	2.32	48000	M1342280_M_-1.5C--	335	100L
2.9	323.18	4679	2.07	48000	M1342300_M_-1.5C--	335	100L
2.5	370.11	5358	1.81	48000	M1342360_M_-1.5C--	335	100L
2.2	418.46	6058	1.60	48000	M1342400_M_-1.5C--	335	100L
1.9	482.96	6992	1.39	48000	M1342450_M_-1.5C--	335	100L
1.7	546.05	7905	1.23	48000	M1342500_M_-1.5C--	335	100L
1.4	664.21	9616	1.01	48000	M1342650_M_-1.5C--	335	100L
1.3	729.13	10556	0.92	48000	M1342730_M_-1.5C--	335	100L
3.9	244.15	3535	3.68	68000	M1442250_M_-1.5C--	430	100L
3.4	276.86	4008	3.24	68000	M1442280_M_-1.5C--	430	100L
2.8	337.68	4889	2.66	68000	M1442300_M_-1.5C--	430	100L
2.7	352.51	5103	2.55	68000	M1442360_M_-1.5C--	430	100L
2.3	405.06	5864	2.22	68000	M1442400_M_-1.5C--	430	100L
2.0	459.33	6650	1.95	68000	M1442450_M_-1.5C--	430	100L
1.9	506.63	7335	1.77	68000	M1442500_M_-1.5C--	430	100L
1.4	656.00	9497	1.37	68000	M1442650_M_-1.5C--	430	100L
1.2	754.34	10921	1.19	68000	M1442730_M_-1.5C--	430	100L
1.1	852.89	12348	1.05	68000	M1442860_M_-1.5C--	430	100L
0.70	1337.59	19365	1.07	75000	M164213C_M_-1.5C--	809	100L
0.62	1504.08	21775	0.95	75000	M164215C_M_-1.5C--	809	100L

NOTE
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SELECTION TABLES

2.2 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
387	3.75	53	1.11	1254	M01223.6_M_-_.2.2A--	51	100L
286	5.07	72	0.94	1312	M01225.0_M_-_.2.2A--	51	100L
252	5.76	82	0.87	1339	M01225.6_M_-_.2.2A--	51	100L
404	3.59	51	1.96	3403	M02223.6_M_-_.2.2A--	53	100L
288	5.03	71	1.62	3249	M02225.0_M_-_.2.2A--	53	100L
261	5.55	79	1.54	3208	M02225.6_M_-_.2.2A--	53	100L
230	6.30	89	1.42	3149	M02226.3_M_-_.2.2A--	53	100L
181	8.00	114	1.20	3040	M02228.0_M_-_.2.2A--	53	100L
160	9.09	129	1.08	3047	M02229.0_M_-_.2.2A--	53	100L
130	11.15	158	0.92	3120	M022211_M_-_.2.2A--	53	100L
117	12.37	176	0.84	3170	M022212_M_-_.2.2A--	53	100L
404	3.59	51	2.31	2895	M03223.6_M_-_.2.2A--	53	100L
288	5.03	71	1.89	2692	M03225.0_M_-_.2.2A--	53	100L
261	5.55	79	1.78	2652	M03225.6_M_-_.2.2A--	53	100L
230	6.30	89	1.64	2577	M03226.3_M_-_.2.2A--	53	100L
181	8.00	114	1.42	2463	M03228.0_M_-_.2.2A--	53	100L
160	9.09	129	1.30	2409	M03229.0_M_-_.2.2A--	53	100L
130	11.15	158	1.13	2372	M032211_M_-_.2.2A--	53	100L
117	12.37	176	1.06	2445	M032212_M_-_.2.2A--	53	100L
103	14.05	200	0.97	2612	M032214_M_-_.2.2A--	53	100L
91	15.97	227	0.90	2799	M032216_M_-_.2.2A--	53	100L
82	17.58	250	0.83	2921	M032218_M_-_.2.2A--	53	100L
405	3.58	51	3.99	4542	M04223.6_M_-_.2.2A--	63	100L
288	5.04	72	3.31	4540	M04225.0_M_-_.2.2A--	63	100L
257	5.65	80	3.10	4587	M04225.6_M_-_.2.2A--	63	100L
229	6.34	90	2.91	4622	M04226.3_M_-_.2.2A--	63	100L
180	8.05	114	2.53	4740	M04228.0_M_-_.2.2A--	63	100L
159	9.13	130	2.31	4835	M04229.0_M_-_.2.2A--	63	100L
133	10.89	155	2.01	4957	M042211_M_-_.2.2A--	63	100L
116	12.54	178	1.80	5056	M042212_M_-_.2.2A--	63	100L
99	14.58	207	1.59	5167	M042214_M_-_.2.2A--	63	100L
89	16.31	232	1.46	5306	M042216_M_-_.2.2A--	63	100L
83	17.39	247	1.38	5407	M042218_M_-_.2.2A--	63	100L
70	20.61	293	1.16	5663	M042220_M_-_.2.2A--	63	100L
66	22.00	312	1.09	5774	M042222_M_-_.2.2A--	63	100L
53	27.30	388	0.88	6141	M042228_M_-_.2.2A--	63	100L
180	8.05	114	3.90	4785	M05228.0_M_-_.2.2A--	63	100L
159	9.13	130	3.47	4873	M05229.0_M_-_.2.2A--	63	100L
133	10.89	155	2.91	4971	M052211_M_-_.2.2A--	63	100L
116	12.54	178	2.39	5030	M052212_M_-_.2.2A--	63	100L
99	14.58	207	2.17	5152	M052214_M_-_.2.2A--	63	100L
89	16.31	232	1.94	5271	M052216_M_-_.2.2A--	63	100L
83	17.39	247	1.82	5373	M052218_M_-_.2.2A--	63	100L
70	20.61	293	1.54	5630	M052220_M_-_.2.2A--	63	100L
66	22.00	312	1.44	5736	M052222_M_-_.2.2A--	63	100L
53	27.30	388	1.16	6089	M052228_M_-_.2.2A--	63	100L
45	32.19	457	0.98	6369	M052232_M_-_.2.2A--	63	100L
41	35.25	501	0.90	6533	M052236_M_-_.2.2A--	63	100L
108	13.48	191	3.20	7200	M062212_M_-_.2.2A--	68	100L
93	15.52	220	2.40	7200	M062214_M_-_.2.2A--	68	100L
80	18.05	256	2.33	7200	M062216_M_-_.2.2A--	68	100L
72	20.20	287	2.18	7200	M062218_M_-_.2.2A--	68	100L
67	21.53	306	2.04	7200	M062220_M_-_.2.2A--	68	100L
57	25.51	362	1.73	7200	M062222_M_-_.2.2A--	68	100L
53	27.24	387	1.62	7200	M062228_M_-_.2.2A--	68	100L
43	33.80	480	1.30	7200	M062232_M_-_.2.2A--	68	100L
36	39.86	566	1.10	7200	M062236_M_-_.2.2A--	68	100L
33	43.64	620	1.01	7200	M062236_M_-_.2.2A--	68	100L
101	14.34	204	3.74	4162	M072214_M_-_.2.2A--	77	100L
89	16.26	231	3.40	4119	M072216_M_-_.2.2A--	77	100L
81	17.94	255	3.12	4080	M072218_M_-_.2.2A--	77	100L
71	20.54	292	2.76	4360	M072220_M_-_.2.2A--	77	100L
62	23.23	330	2.46	4638	M072222_M_-_.2.2A--	77	100L
54	26.93	382	2.16	4897	M072228_M_-_.2.2A--	77	100L
45	32.12	456	1.84	4973	M072232_M_-_.2.2A--	77	100L
41	35.17	499	1.70	5405	M072236_M_-_.2.2A--	77	100L
34	42.21	599	1.44	6506	M072245_M_-_.2.2A--	77	100L
30	48.56	690	1.02	7412	M072250_M_-_.2.2A--	77	100L
25	58.95	829	0.91	8016	M073256_M_-_.2.2A--	78	100L
23	62.83	883	0.87	9062	M073263_M_-_.2.2A--	78	100L

NOTE
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SELECTION TABLES

2.2 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
44	32.97	468	3.47	10893	M082232_M_-2.2A--	111	100L
40	36.21	514	3.21	11368	M082236_M_-2.2A--	111	100L
33	44.38	630	2.68	13710	M082245_M_-2.2A--	111	100L
30	48.46	688	2.46	14902	M082250_M_-2.2A--	111	100L
26	55.80	792	1.95	16200	M082256_M_-2.2A--	111	100L
24	60.33	848	1.89	16200	M083256_M_-2.2A--	113	100L
22	66.02	928	1.78	16200	M083263_M_-2.2A--	113	100L
19	74.69	1050	1.62	16200	M083271_M_-2.2A--	113	100L
17	84.31	1185	1.43	16200	M083280_M_-2.2A--	113	100L
14	102.20	1436	1.18	16200	M0832100_M_-2.2A--	113	100L
12	119.19	1675	1.01	16200	M0832112_M_-2.2A--	113	100L
11	130.92	1840	0.92	16200	M0832125_M_-2.2A--	113	100L
26	55.18	784	3.38	20500	M092256_M_-2.2A--	156	100L
25	59.07	830	3.75	20500	M093256_M_-2.2A--	171	100L
22	64.64	909	3.42	20500	M093263_M_-2.2A--	171	100L
20	73.13	1028	3.03	20500	M093271_M_-2.2A--	171	100L
18	82.55	1160	2.68	20500	M093280_M_-2.2A--	171	100L
14	100.07	1406	2.21	20500	M0932100_M_-2.2A--	171	100L
12	116.70	1640	1.90	20500	M0932112_M_-2.2A--	171	100L
11	128.19	1802	1.73	20500	M0932125_M_-2.2A--	171	100L
9.2	157.10	2208	1.41	20500	M0932160_M_-2.2A--	171	100L
8.5	171.55	2411	1.29	20500	M0932180_M_-2.2A--	171	100L
7.3	197.54	2776	1.12	20500	M0932200_M_-2.2A--	171	100L
6.3	231.85	3191	0.97	20500	M0942225_M_-2.2A--	194	100L
5.6	258.09	3553	0.88	20500	M0942250_M_-2.2A--	194	100L
15	98.68	1387	3.45	30000	M1032100_M_-2.2A--	208	100L
13	113.96	1602	2.98	30000	M1032112_M_-2.2A--	208	100L
12	125.81	1768	2.70	30000	M1032125_M_-2.2A--	208	100L
9.5	152.91	2149	2.22	30000	M1032160_M_-2.2A--	208	100L
8.4	173.08	2433	1.96	30000	M1032180_M_-2.2A--	208	100L
7.5	194.62	2735	1.75	30000	M1032200_M_-2.2A--	208	100L
6.6	220.22	3031	1.58	30000	M1042225_M_-2.2A--	242	100L
5.7	254.58	3504	1.36	30000	M1042250_M_-2.2A--	242	100L
5.2	278.36	3832	1.25	30000	M1042280_M_-2.2A--	242	100L
4.7	309.32	4258	1.12	30000	M1042300_M_-2.2A--	242	100L
4.0	365.56	5032	0.95	30000	M1042360_M_-2.2A--	242	100L
3.6	398.71	5488	0.87	30000	M1042400_M_-2.2A--	242	100L
6.4	224.86	3095	3.13	48000	M1342225_M_-2.2A--	346	100L
5.6	258.39	3557	2.73	48000	M1342250_M_-2.2A--	346	100L
5.0	289.16	3980	2.44	48000	M1342280_M_-2.2A--	346	100L
4.5	323.18	4449	2.18	48000	M1342300_M_-2.2A--	346	100L
3.9	370.11	5095	1.90	48000	M1342360_M_-2.2A--	346	100L
3.5	418.46	5760	1.68	48000	M1342400_M_-2.2A--	346	100L
3.0	482.96	6648	1.46	48000	M1342450_M_-2.2A--	346	100L
2.7	546.05	7516	1.29	48000	M1342500_M_-2.2A--	346	100L
2.2	664.21	9143	1.06	48000	M1342650_M_-2.2A--	346	100L
2.0	729.13	10037	0.97	48000	M1342730_M_-2.2A--	346	100L
1.7	860.03	11838	0.82	48000	M1342860_M_-2.2A--	346	100L
5.9	244.15	3361	3.87	68000	M1442250_M_-2.2A--	442	100L
5.2	276.86	3811	3.41	68000	M1442280_M_-2.2A--	442	100L
4.3	337.68	4648	2.80	68000	M1442300_M_-2.2A--	442	100L
4.1	352.51	4852	2.68	68000	M1442360_M_-2.2A--	442	100L
3.6	405.06	5576	2.33	68000	M1442400_M_-2.2A--	442	100L
3.2	459.33	6323	2.06	68000	M1442450_M_-2.2A--	442	100L
2.9	506.63	6974	1.86	68000	M1442500_M_-2.2A--	442	100L
2.2	656.00	9030	1.44	68000	M1442650_M_-2.2A--	442	100L
1.9	754.34	10384	1.25	68000	M1442730_M_-2.2A--	442	100L
1.7	852.89	11740	1.11	68000	M1442860_M_-2.2A--	442	100L
1.5	997.50	13731	0.95	68000	M144210C_M_-2.2A--	442	100L
1.1	1337.59	18412	1.12	75000	M164213C_M_-2.2A--	809	100L
0.96	1504.08	20704	1.00	75000	M164215C_M_-2.2A--	809	100L

NOTE
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SELECTION TABLES

2.2 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
262	3.59	79	1.46	3326	M02223.6_M_-2.2C--	59	112M
187	5.03	110	1.19	3170	M02225.0_M_-2.2C--	59	112M
169	5.55	122	1.10	3113	M02225.6_M_-2.2C--	59	112M
149	6.30	138	1.00	3130	M02226.3_M_-2.2C--	59	112M
118	8.00	175	0.83	3193	M02228.0_M_-2.2C--	59	112M
262	3.59	79	1.70	2799	M03223.6_M_-2.2C--	59	112M
187	5.03	110	1.39	2613	M03225.0_M_-2.2C--	59	112M
169	5.55	122	1.31	2554	M03225.6_M_-2.2C--	59	112M
149	6.30	138	1.21	2482	M03226.3_M_-2.2C--	59	112M
118	8.00	175	1.04	2400	M03228.0_M_-2.2C--	59	112M
103	9.09	199	0.95	2577	M03229.0_M_-2.2C--	59	112M
263	3.58	78	3.02	4607	M04223.6_M_-2.2C--	69	112M
187	5.04	110	2.51	4725	M04225.0_M_-2.2C--	69	112M
166	5.65	124	2.35	4768	M04225.6_M_-2.2C--	69	112M
148	6.34	139	2.15	4841	M04226.3_M_-2.2C--	69	112M
117	8.05	176	1.79	5022	M04228.0_M_-2.2C--	69	112M
103	9.13	200	1.62	5114	M04229.0_M_-2.2C--	69	112M
86	10.89	239	1.43	5305	M042211_M_-2.2C--	69	112M
75	12.54	275	1.23	5514	M042212_M_-2.2C--	69	112M
64	14.58	319	1.08	5769	M042214_M_-2.2C--	69	112M
58	16.31	357	0.97	5950	M042216_M_-2.2C--	69	112M
54	17.39	381	0.90	6059	M042218_M_-2.2C--	69	112M
263	3.58	78	3.80	4355	M05223.6_M_-2.2C--	69	112M
187	5.04	110	3.53	4676	M05225.0_M_-2.2C--	69	112M
166	5.65	124	3.39	4781	M05225.6_M_-2.2C--	69	112M
148	6.34	139	3.03	4846	M05226.3_M_-2.2C--	69	112M
117	8.05	176	2.60	5043	M05228.0_M_-2.2C--	69	112M
103	9.13	200	2.29	5116	M05229.0_M_-2.2C--	69	112M
86	10.89	239	1.92	5286	M052211_M_-2.2C--	69	112M
75	12.54	275	1.58	5468	M052212_M_-2.2C--	69	112M
64	14.58	319	1.43	5731	M052214_M_-2.2C--	69	112M
58	16.31	357	1.29	5924	M052216_M_-2.2C--	69	112M
54	17.39	381	1.21	6025	M052218_M_-2.2C--	69	112M
46	20.61	451	1.02	6314	M052220_M_-2.2C--	69	112M
151	6.24	137	3.53	7200	M06225.6_M_-2.2C--	74	112M
134	6.99	153	3.39	7200	M06226.3_M_-2.2C--	74	112M
120	7.85	172	3.03	7200	M06228.0_M_-2.2C--	74	112M
94	9.97	218	2.77	7200	M06229.0_M_-2.2C--	74	112M
83	11.30	248	2.50	7200	M062211_M_-2.2C--	74	112M
70	13.48	295	2.15	7200	M062212_M_-2.2C--	74	112M
61	15.52	340	1.84	7200	M062214_M_-2.2C--	74	112M
52	18.05	395	1.58	7200	M062216_M_-2.2C--	74	112M
47	20.20	442	1.44	7200	M062218_M_-2.2C--	74	112M
44	21.53	472	1.35	7200	M062220_M_-2.2C--	74	112M
37	25.51	559	1.14	7200	M062222_M_-2.2C--	74	112M
35	27.24	597	1.07	7200	M062228_M_-2.2C--	74	112M
28	33.80	740	0.86	7082	M062232_M_-2.2C--	74	112M
83	11.35	249	3.18	3975	M072211_M_-2.2C--	83	112M
75	12.48	273	2.96	4169	M072212_M_-2.2C--	83	112M
66	14.34	314	2.63	4449	M072214_M_-2.2C--	83	112M
58	16.26	356	2.35	4614	M072216_M_-2.2C--	83	112M
52	17.94	393	2.15	4895	M072218_M_-2.2C--	83	112M
46	20.54	450	1.90	4937	M072220_M_-2.2C--	83	112M
40	23.23	509	1.70	5407	M072222_M_-2.2C--	83	112M
35	26.93	590	1.49	6530	M072228_M_-2.2C--	83	112M
29	32.12	704	1.26	7591	M072232_M_-2.2C--	83	112M
27	35.17	770	1.16	5184	M072236_M_-2.2C--	83	112M
22	42.21	925	0.97	6229	M072245_M_-2.2C--	83	112M
51	18.26	400	3.48	9176	M082218_M_-2.2C--	117	112M
45	20.66	453	3.30	10833	M082220_M_-2.2C--	117	112M
40	23.32	511	3.08	11317	M082222_M_-2.2C--	117	112M
33	28.27	619	2.73	13737	M082228_M_-2.2C--	117	112M
29	32.97	722	2.35	14833	M082232_M_-2.2C--	117	112M
26	36.21	793	2.14	15225	M082236_M_-2.2C--	117	112M
21	44.38	972	1.75	16200	M082245_M_-2.2C--	117	112M
19	48.46	1061	1.60	16200	M082250_M_-2.2C--	117	112M
17	55.80	1222	1.30	16200	M082256_M_-2.2C--	117	112M
16	60.33	1308	1.30	16200	M083256_M_-2.2C--	121	112M
14	66.02	1431	1.19	16200	M083263_M_-2.2C--	121	112M
13	74.69	1619	1.05	16200	M083271_M_-2.2C--	121	112M
11	84.31	1828	0.93	16200	M083280_M_-2.2C--	121	112M

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SELECTION TABLES

2.2 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
22	43.35	950	3.28	19256	M092245_M_- 2.2C--	162	112M
19	49.07	1075	2.66	20500	M092250_M_- 2.2C--	162	112M
17	55.18	1209	2.19	20500	M092256_M_- 2.2C--	162	112M
16	59.07	1281	2.43	20500	M093256_M_- 2.2C--	177	112M
15	64.64	1401	2.22	20500	M093263_M_- 2.2C--	177	112M
13	73.13	1585	1.96	20500	M093271_M_- 2.2C--	177	112M
11	82.55	1790	1.74	20500	M093280_M_- 2.2C--	177	112M
9.4	100.07	2170	1.43	20500	M0932100_M_- 2.2C--	177	112M
8.1	116.70	2530	1.23	20500	M0932112_M_- 2.2C--	177	112M
7.3	128.19	2779	1.12	20500	M0932125_M_- 2.2C--	177	112M
6.0	157.10	3406	0.91	20500	M0932160_M_- 2.2C--	177	112M
5.5	171.55	3719	0.84	20500	M0932180_M_- 2.2C--	177	112M
18	51.49	1128	3.43	30000	M102256_M_- 2.2C--	191	112M
16	57.63	1249	3.83	30000	M103256_M_- 2.2C--	214	112M
14	65.24	1414	3.38	30000	M103263_M_- 2.2C--	214	112M
13	72.62	1574	3.04	30000	M103271_M_- 2.2C--	214	112M
12	80.68	1749	2.73	30000	M103280_M_- 2.2C--	214	112M
10	98.68	2139	2.23	30000	M1032100_M_- 2.2C--	214	112M
8.2	113.96	2471	1.93	30000	M1032112_M_- 2.2C--	214	112M
7.5	125.81	2728	1.75	30000	M1032125_M_- 2.2C--	214	112M
6.1	152.91	3315	1.44	30000	M1032160_M_- 2.2C--	214	112M
5.4	173.08	3752	1.27	30000	M1032180_M_- 2.2C--	214	112M
4.8	194.62	4219	1.13	30000	M1032200_M_- 2.2C--	214	112M
4.3	220.22	4676	1.02	30000	M1042225_M_- 2.2C--	248	112M
8.2	115.08	2495	3.89	48000	M1332112_M_- 2.2C--	311	112M
7.1	132.56	2874	3.38	48000	M1332125_M_- 2.2C--	311	112M
6.1	153.81	3335	2.91	48000	M1332160_M_- 2.2C--	311	112M
5.2	179.28	3887	2.50	48000	M1332180_M_- 2.2C--	311	112M
4.9	192.61	4176	2.25	48000	M1332200_M_- 2.2C--	311	112M
4.2	224.86	4775	2.03	48000	M1342225_M_- 2.2C--	352	112M
3.6	258.39	5487	1.77	48000	M1342250_M_- 2.2C--	352	112M
3.3	289.16	6140	1.58	48000	M1342280_M_- 2.2C--	352	112M
2.9	323.18	6862	1.41	48000	M1342300_M_- 2.2C--	352	112M
2.5	370.11	7859	1.23	48000	M1342360_M_- 2.2C--	352	112M
2.2	418.46	8885	1.09	48000	M1342400_M_- 2.2C--	352	112M
1.9	482.96	10255	0.95	48000	M1342450_M_- 2.2C--	352	112M
5.9	158.58	3438	3.78	68000	M1432160_M_- 2.2C--	405	112M
5.1	184.83	4007	3.32	68000	M1432180_M_- 2.2C--	405	112M
4.7	198.58	4305	3.09	68000	M1432200_M_- 2.2C--	405	112M
4.1	228.38	4849	2.68	68000	M1442225_M_- 2.2C--	448	112M
3.9	244.15	5184	2.51	68000	M1442250_M_- 2.2C--	448	112M
3.4	276.86	5879	2.21	68000	M1442280_M_- 2.2C--	448	112M
2.8	337.68	7170	1.81	68000	M1442300_M_- 2.2C--	448	112M
2.7	352.51	7485	1.74	68000	M1442360_M_- 2.2C--	448	112M
2.3	405.06	8601	1.51	68000	M1442400_M_- 2.2C--	448	112M
2.0	459.33	9753	1.33	68000	M1442450_M_- 2.2C--	448	112M
1.9	506.63	10758	1.21	68000	M1442500_M_- 2.2C--	448	112M
1.4	656.00	13929	0.93	68000	M1442650_M_- 2.2C--	448	112M
1.2	754.34	16017	0.81	68000	M1442730_M_- 2.2C--	448	112M

NOTE
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SELECTION TABLES

3.0 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
404	3.59	70	1.46	3294	M02223.6_M_-3.0A--	53	100L
288	5.03	97	1.21	3145	M02225.0_M_-3.0A--	53	100L
261	5.55	107	1.15	3107	M02225.6_M_-3.0A--	53	100L
230	6.30	122	1.06	3049	M02226.3_M_-3.0A--	53	100L
181	8.00	155	0.89	2942	M02228.0_M_-3.0A--	53	100L
160	9.09	176	0.81	2951	M02229.0_M_-3.0A--	53	100L
404	3.59	70	1.73	2804	M03223.6_M_-3.0A--	53	100L
288	5.03	97	1.41	2607	M03225.0_M_-3.0A--	53	100L
261	5.55	107	1.33	2569	M03225.6_M_-3.0A--	53	100L
230	6.30	122	1.23	2496	M03226.3_M_-3.0A--	53	100L
181	8.00	155	1.06	2385	M03228.0_M_-3.0A--	53	100L
160	9.09	176	0.97	2332	M03229.0_M_-3.0A--	53	100L
130	11.15	216	0.84	2296	M032211_M_-3.0A--	53	100L
405	3.58	69	2.93	4389	M04223.6_M_-3.0A--	63	100L
288	5.04	98	2.43	4388	M04225.0_M_-3.0A--	63	100L
257	5.65	109	2.28	4433	M04225.6_M_-3.0A--	63	100L
229	6.34	123	2.13	4467	M04226.3_M_-3.0A--	63	100L
180	8.05	156	1.85	4581	M04228.0_M_-3.0A--	63	100L
159	9.13	177	1.69	4672	M04229.0_M_-3.0A--	63	100L
133	10.89	211	1.47	4790	M042211_M_-3.0A--	63	100L
116	12.54	243	1.32	4886	M042212_M_-3.0A--	63	100L
99	14.58	282	1.17	4993	M042214_M_-3.0A--	63	100L
89	16.31	316	1.07	5128	M042216_M_-3.0A--	63	100L
83	17.39	337	1.01	5226	M042218_M_-3.0A--	63	100L
288	5.04	98	3.91	4299	M05225.0_M_-3.0A--	63	100L
257	5.65	109	3.74	4382	M05225.6_M_-3.0A--	63	100L
229	6.34	123	3.36	4457	M05226.3_M_-3.0A--	63	100L
180	8.05	156	2.86	4625	M05228.0_M_-3.0A--	63	100L
159	9.13	177	2.55	4710	M05229.0_M_-3.0A--	63	100L
133	10.89	211	2.13	4804	M052211_M_-3.0A--	63	100L
116	12.54	243	1.75	4862	M052212_M_-3.0A--	63	100L
99	14.58	282	1.59	4979	M052214_M_-3.0A--	63	100L
89	16.31	316	1.42	5095	M052216_M_-3.0A--	63	100L
83	17.39	337	1.34	5193	M052218_M_-3.0A--	63	100L
70	20.61	399	1.13	5441	M052220_M_-3.0A--	63	100L
66	22.00	426	1.06	5543	M052222_M_-3.0A--	63	100L
53	27.30	529	0.85	5885	M052228_M_-3.0A--	63	100L
232	6.24	121	3.91	7200	M06225.6_M_-3.0A--	68	100L
207	6.99	135	3.77	7200	M06226.3_M_-3.0A--	68	100L
185	7.85	152	3.37	7200	M06228.0_M_-3.0A--	68	100L
145	9.97	193	3.08	7200	M06229.0_M_-3.0A--	68	100L
128	11.30	219	2.76	7200	M062211_M_-3.0A--	68	100L
108	13.48	261	2.35	7200	M062212_M_-3.0A--	68	100L
93	15.52	301	1.76	7200	M062214_M_-3.0A--	68	100L
80	18.05	350	1.71	7200	M062216_M_-3.0A--	68	100L
72	20.20	391	1.60	7200	M062218_M_-3.0A--	68	100L
67	21.53	417	1.50	7200	M062220_M_-3.0A--	68	100L
57	25.51	494	1.27	7200	M062222_M_-3.0A--	68	100L
53	27.24	527	1.18	7200	M062228_M_-3.0A--	68	100L
43	33.80	654	0.95	7164	M062232_M_-3.0A--	68	100L
36	39.86	772	0.81	7035	M062236_M_-3.0A--	68	100L
155	9.34	181	3.81	4055	M07229.0_M_-3.0A--	77	100L
128	11.35	220	3.30	3992	M072211_M_-3.0A--	77	100L
116	12.48	242	3.06	4072	M072212_M_-3.0A--	77	100L
101	14.34	278	2.74	4022	M072214_M_-3.0A--	77	100L
89	16.26	315	2.50	3981	M072216_M_-3.0A--	77	100L
81	17.94	347	2.29	3943	M072218_M_-3.0A--	77	100L
71	20.54	398	2.02	4214	M072220_M_-3.0A--	77	100L
62	23.23	450	1.81	4483	M072222_M_-3.0A--	77	100L
54	26.93	521	1.58	4733	M072228_M_-3.0A--	77	100L
45	32.12	622	1.35	4806	M072232_M_-3.0A--	77	100L
41	35.17	681	1.24	5224	M072236_M_-3.0A--	77	100L
34	42.21	817	1.06	6287	M072245_M_-3.0A--	77	100L
79	18.26	354	3.85	9278	M082218_M_-3.0A--	111	100L
70	20.66	400	3.65	9801	M082220_M_-3.0A--	111	100L
62	23.32	452	3.41	10300	M082222_M_-3.0A--	111	100L
51	28.27	547	2.90	10399	M082228_M_-3.0A--	111	100L
44	32.97	638	2.55	10530	M082232_M_-3.0A--	111	100L
40	36.21	701	2.35	10987	M082236_M_-3.0A--	111	100L
33	44.38	859	1.97	13250	M082245_M_-3.0A--	111	100L
30	48.46	938	1.80	14403	M082250_M_-3.0A--	111	100L
26	55.80	1080	1.43	16200	M082256_M_-3.0A--	111	100L

NOTE
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SELECTION TABLES

3.0 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	60.33	1156	1.39	16200	M083256_M_-3.0A--	113	100L
22	66.02	1265	1.30	16200	M083263_M_-3.0A--	113	100L
19	74.69	1431	1.19	16200	M083271_M_-3.0A--	113	100L
17	84.31	1616	1.05	16200	M083280_M_-3.0A--	113	100L
14	102.20	1959	0.87	16200	M0832100_M_-3.0A--	113	100L
33	43.35	839	3.65	19369	M092245_M_-3.0A--	156	100L
30	49.07	950	3.01	20500	M092250_M_-3.0A--	156	100L
26	55.18	1068	2.48	20500	M092256_M_-3.0A--	156	100L
25	59.07	1132	2.75	20500	M093256_M_-3.0A--	171	100L
22	64.64	1239	2.51	20500	M093263_M_-3.0A--	171	100L
20	73.13	1402	2.22	20500	M093271_M_-3.0A--	171	100L
18	82.55	1582	1.97	20500	M093280_M_-3.0A--	171	100L
14	100.07	1918	1.62	20500	M0932100_M_-3.0A--	171	100L
12	116.70	2237	1.39	20500	M0932112_M_-3.0A--	171	100L
11	128.19	2457	1.27	20500	M0932125_M_-3.0A--	171	100L
9	157.10	3011	1.03	20500	M0932160_M_-3.0A--	171	100L
8	171.55	3288	0.95	20500	M0932180_M_-3.0A--	171	100L
7	197.54	3786	0.82	20500	M0932200_M_-3.0A--	171	100L
28	51.49	997	3.88	30000	M102256_M_-3.0A--	185	100L
22	65.24	1250	3.82	30000	M103263_M_-3.0A--	208	100L
20	72.62	1392	3.43	30000	M103271_M_-3.0A--	208	100L
18	80.68	1546	3.09	30000	M103280_M_-3.0A--	208	100L
15	98.68	1891	2.53	30000	M1032100_M_-3.0A--	208	100L
13	113.96	2184	2.19	30000	M1032112_M_-3.0A--	208	100L
12	125.81	2411	1.98	30000	M1032125_M_-3.0A--	208	100L
9.5	152.91	2931	1.63	30000	M1032160_M_-3.0A--	208	100L
8.4	173.08	3317	1.44	30000	M1032180_M_-3.0A--	208	100L
7.5	194.62	3730	1.28	30000	M1032200_M_-3.0A--	208	100L
6.6	220.22	4134	1.16	30000	M1042225_M_-3.0A--	242	100L
5.7	254.58	4779	1.00	30000	M1042250_M_-3.0A--	242	100L
5.2	278.36	5225	0.91	30000	M1042280_M_-3.0A--	242	100L
4.7	309.32	5806	0.82	30000	M1042300_M_-3.0A--	242	100L
11	132.56	2541	3.82	48000	M1332125_M_-3.0A--	305	100L
9.4	153.81	2948	3.29	48000	M1332160_M_-3.0A--	305	100L
8.1	179.28	3436	2.82	48000	M1332180_M_-3.0A--	305	100L
7.5	192.61	3692	2.63	48000	M1332200_M_-3.0A--	305	100L
6.4	224.86	4221	2.30	48000	M1342225_M_-3.0A--	346	100L
5.6	258.39	4850	2.00	48000	M1342250_M_-3.0A--	346	100L
5.0	289.16	5428	1.79	48000	M1342280_M_-3.0A--	346	100L
4.5	323.18	6066	1.60	48000	M1342300_M_-3.0A--	346	100L
3.9	370.11	6947	1.40	48000	M1342360_M_-3.0A--	346	100L
3.5	418.46	7855	1.23	48000	M1342400_M_-3.0A--	346	100L
3.0	482.96	9065	1.07	48000	M1342450_M_-3.0A--	346	100L
2.7	546.05	10250	0.95	48000	M1342500_M_-3.0A--	346	100L
7.8	184.83	3542	3.67	68000	M1432180_M_-3.0A--	399	100L
7.3	198.58	3806	3.42	68000	M1432200_M_-3.0A--	399	100L
6.3	228.38	4287	3.03	68000	M1442225_M_-3.0A--	442	100L
5.9	244.15	4583	2.84	68000	M1442250_M_-3.0A--	442	100L
5.2	276.86	5197	2.50	68000	M1442280_M_-3.0A--	442	100L
4.3	337.68	6338	2.05	68000	M1442300_M_-3.0A--	442	100L
4.1	352.51	6617	1.96	68000	M1442360_M_-3.0A--	442	100L
3.6	405.06	7603	1.71	68000	M1442400_M_-3.0A--	442	100L
3.2	459.33	8622	1.51	68000	M1442450_M_-3.0A--	442	100L
2.9	506.63	9510	1.37	68000	M1442500_M_-3.0A--	442	100L
2.2	656.00	12314	1.06	68000	M1442650_M_-3.0A--	442	100L
1.9	754.34	14159	0.92	68000	M1442730_M_-3.0A--	442	100L
1.7	852.89	16009	0.81	68000	M1442860_M_-3.0A--	442	100L

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SELECTION TABLES

3.0 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
268	3.58	105	2.23	4455	M04223.6_M_-3.0C--	96	132S
190	5.04	147	1.85	4568	M04225.0_M_-3.0C--	96	132S
170	5.65	165	1.73	4610	M04225.6_M_-3.0C--	96	132S
151	6.34	185	1.59	4681	M04226.3_M_-3.0C--	96	132S
119	8.05	235	1.32	4855	M04228.0_M_-3.0C--	96	132S
105	9.13	267	1.19	4946	M04229.0_M_-3.0C--	96	132S
88	10.89	318	1.05	5125	M042211_M_-3.0C--	96	132S
77	12.54	367	0.92	5342	M042212_M_-3.0C--	96	132S
268	3.58	105	2.80	4211	M05223.6_M_-3.0C--	96	132S
190	5.04	147	2.60	4521	M05225.0_M_-3.0C--	96	132S
170	5.65	165	2.49	4622	M05225.6_M_-3.0C--	96	132S
151	6.34	185	2.23	4685	M05226.3_M_-3.0C--	96	132S
119	8.05	235	1.91	4875	M05228.0_M_-3.0C--	96	132S
105	9.13	267	1.69	4946	M05229.0_M_-3.0C--	96	132S
88	10.89	318	1.41	5111	M052211_M_-3.0C--	96	132S
77	12.54	367	1.16	5288	M052212_M_-3.0C--	96	132S
216	4.44	130	2.80	7200	M06225.0_M_-3.0C--	101	132S
154	6.24	183	2.60	7200	M06225.6_M_-3.0C--	101	132S
137	6.99	204	2.50	7200	M06226.3_M_-3.0C--	101	132S
122	7.85	230	2.23	7200	M06228.0_M_-3.0C--	101	132S
96	9.97	292	2.04	7200	M06229.0_M_-3.0C--	101	132S
85	11.30	330	1.84	7200	M062211_M_-3.0C--	101	132S
71	13.48	394	1.59	7200	M062212_M_-3.0C--	101	132S
62	15.52	454	1.38	7200	M062214_M_-3.0C--	101	132S
53	18.05	528	1.18	7200	M062216_M_-3.0C--	101	132S
48	20.20	591	1.06	7200	M062218_M_-3.0C--	101	132S
45	21.53	630	0.99	7200	M062220_M_-3.0C--	101	132S
261	3.68	108	2.87	3930	M07223.6_M_-3.0C--	110	132S
189	5.09	149	2.87	3930	M07225.0_M_-3.0C--	110	132S
168	5.72	167	2.87	3930	M07225.6_M_-3.0C--	110	132S
153	6.29	184	2.87	3930	M07226.3_M_-3.0C--	110	132S
117	8.22	240	2.87	3930	M07228.0_M_-3.0C--	110	132S
103	9.34	273	2.73	3909	M07229.0_M_-3.0C--	110	132S
85	11.35	332	2.34	3843	M072211_M_-3.0C--	110	132S
77	12.48	365	2.18	4031	M072212_M_-3.0C--	110	132S
67	14.34	419	1.94	4302	M072214_M_-3.0C--	110	132S
59	16.26	476	1.73	4461	M072216_M_-3.0C--	110	132S
54	17.94	525	1.58	4732	M072218_M_-3.0C--	110	132S
47	20.54	601	1.40	4773	M072220_M_-3.0C--	110	132S
41	23.23	679	1.26	5231	M072222_M_-3.0C--	110	132S
36	26.93	788	1.10	6316	M072228_M_-3.0C--	110	132S
30	32.12	939	0.93	7341	M072232_M_-3.0C--	110	132S
27	35.17	1029	0.85	5010	M072236_M_-3.0C--	110	132S
64	15.04	440	3.68	7964	M082214_M_-3.0C--	143	132S
58	16.69	488	2.93	8160	M082216_M_-3.0C--	143	132S
53	18.26	534	2.57	8875	M082218_M_-3.0C--	143	132S
46	20.66	604	2.43	10475	M082220_M_-3.0C--	143	132S
41	23.32	682	2.27	10944	M082222_M_-3.0C--	143	132S
34	28.27	827	2.02	13289	M082228_M_-3.0C--	143	132S
29	32.97	964	1.76	14369	M082232_M_-3.0C--	143	132S
27	36.21	1059	1.61	14748	M082236_M_-3.0C--	143	132S
22	44.38	1298	1.31	16200	M082245_M_-3.0C--	143	132S
20	48.46	1417	1.20	16200	M082250_M_-3.0C--	143	132S
17	55.80	1632	0.96	16200	M082256_M_-3.0C--	143	132S
16	60.33	1746	0.97	16200	M083256_M_-3.0C--	147	132S
15	66.02	1911	0.89	16200	M083263_M_-3.0C--	147	132S
34	27.98	818	3.80	17257	M092228_M_-3.0C--	191	132S
30	32.31	945	3.29	19380	M092232_M_-3.0C--	191	132S
27	35.67	1043	2.98	20500	M092236_M_-3.0C--	191	132S
22	43.35	1268	2.45	18653	M092245_M_-3.0C--	191	132S
20	49.07	1435	1.99	20500	M092250_M_-3.0C--	191	132S
17	55.18	1614	1.64	20500	M092256_M_-3.0C--	191	132S
16	59.07	1710	1.82	20500	M093256_M_-3.0C--	206	132S
15	64.64	1871	1.66	20500	M093263_M_-3.0C--	206	132S
13	73.13	2117	1.47	20500	M093271_M_-3.0C--	206	132S
12	82.55	2390	1.30	20500	M093280_M_-3.0C--	206	132S
10	100.07	2897	1.07	20500	M0932100_M_-3.0C--	206	132S
8.2	116.70	3378	0.92	20500	M0932112_M_-3.0C--	206	132S
7.5	128.19	3711	0.84	20500	M0932125_M_-3.0C--	206	132S
20	47.93	1402	3.04	30000	M102250_M_-3.0C--	220	132S
19	51.49	1506	2.57	30000	M102256_M_-3.0C--	220	132S

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



SELECTION TABLES

3.0 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
17	57.63	1668	2.87	30000	M103256_M_3.0C--	243	132S
15	65.24	1889	2.53	30000	M103263_M_3.0C--	243	132S
13	72.62	2102	2.27	30000	M103271_M_3.0C--	243	132S
12	80.68	2336	2.05	30000	M103280_M_3.0C--	243	132S
10	98.68	2857	1.67	30000	M1032100_M_3.0C--	243	132S
8.4	113.96	3299	1.45	30000	M1032112_M_3.0C--	243	132S
7.6	125.81	3642	1.31	30000	M1032125_M_3.0C--	243	132S
6.3	152.91	4427	1.08	30000	M1032160_M_3.0C--	243	132S
5.5	173.08	5010	0.95	30000	M1032180_M_3.0C--	243	132S
4.9	194.62	5634	0.85	30000	M1032200_M_3.0C--	243	132S
10	95.34	2760	3.51	48000	M1332100_M_3.0C--	340	132S
8.3	115.08	3331	2.91	48000	M1332112_M_3.0C--	340	132S
7.2	132.56	3837	2.53	48000	M1332125_M_3.0C--	340	132S
6.2	153.81	4453	2.18	48000	M1332160_M_3.0C--	340	132S
5.4	179.28	5190	1.87	48000	M1332180_M_3.0C--	340	132S
5.0	192.61	5576	1.69	48000	M1332200_M_3.0C--	340	132S
4.3	224.86	6375	1.52	48000	M1342225_M_3.0C--	379	132S
3.7	258.39	7326	1.32	48000	M1342250_M_3.0C--	379	132S
3.3	289.16	8198	1.18	48000	M1342280_M_3.0C--	379	132S
3.0	323.18	9163	1.06	48000	M1342300_M_3.0C--	379	132S
2.6	370.11	10493	0.92	48000	M1342360_M_3.0C--	379	132S
8.1	118.61	3434	3.79	68000	M1432112_M_3.0C--	434	132S
7.0	136.66	3956	3.29	68000	M1432125_M_3.0C--	434	132S
6.1	158.58	4591	2.83	68000	M1432160_M_3.0C--	434	132S
5.2	184.83	5351	2.43	68000	M1432180_M_3.0C--	434	132S
4.8	198.58	5749	2.26	68000	M1432200_M_3.0C--	434	132S
4.2	228.38	6475	2.01	68000	M1442225_M_3.0C--	475	132S
3.9	244.15	6922	1.88	68000	M1442250_M_3.0C--	475	132S
3.5	276.86	7849	1.66	68000	M1442280_M_3.0C--	475	132S
2.8	337.68	9574	1.36	68000	M1442300_M_3.0C--	475	132S
2.7	352.51	9994	1.30	68000	M1442360_M_3.0C--	475	132S
2.4	405.06	11484	1.13	68000	M1442400_M_3.0C--	475	132S
2.1	459.33	13023	1.00	68000	M1442450_M_3.0C--	475	132S
1.9	506.63	14364	0.91	68000	M1442500_M_3.0C--	475	132S
5.5	175.64	5085	3.76	75000	M1632180_M_3.0C--	677	132S
4.9	197.02	5703	2.56	75000	M1632200_M_3.0C--	677	132S

3.7 kW
4 POLE

404	3.59	86	1.19	3221	M02223.6_M_3.7A--	59	112M
288	5.03	120	0.98	3074	M02225.0_M_3.7A--	59	112M
261	5.55	133	0.93	3036	M02225.6_M_3.7A--	59	112M
404	3.59	86	1.41	2740	M03223.6_M_3.7A--	59	112M
288	5.03	120	1.15	2548	M03225.0_M_3.7A--	59	112M
261	5.55	133	1.07	2508	M03225.6_M_3.7A--	59	112M
230	6.3	150	0.99	2439	M03226.3_M_3.7A--	59	112M
405	3.58	85	2.38	4290	M04223.6_M_3.7A--	69	112M
288	5.04	120	1.97	4288	M04225.0_M_3.7A--	69	112M
257	5.65	135	1.85	4332	M04225.6_M_3.7A--	69	112M
229	6.34	151	1.73	4365	M04226.3_M_3.7A--	69	112M
180	8.05	192	1.50	4476	M04228.0_M_3.7A--	69	112M
159	9.13	218	1.37	4566	M04229.0_M_3.7A--	69	112M
133	10.89	260	1.20	4681	M042211_M_3.7A--	69	112M
116	12.54	299	1.07	4775	M042212_M_3.7A--	69	112M
99	14.58	348	0.94	4880	M042214_M_3.7A--	69	112M
405	3.58	85	3.43	4019	M05223.6_M_3.7A--	69	112M
288	5.04	120	3.18	4201	M05225.0_M_3.7A--	69	112M
257	5.65	135	3.05	4285	M05225.6_M_3.7A--	69	112M
229	6.34	151	2.72	4355	M05226.3_M_3.7A--	69	112M
180	8.05	192	2.34	4523	M05228.0_M_3.7A--	69	112M
159	9.13	218	2.06	4602	M05229.0_M_3.7A--	69	112M
133	10.89	260	1.73	4695	M052211_M_3.7A--	69	112M
116	12.54	299	1.43	4751	M052212_M_3.7A--	69	112M
99	14.58	348	1.30	4866	M052214_M_3.7A--	69	112M
327	4.44	106	3.43	7200	M06225.0_M_3.7A--	74	112M
232	6.24	149	3.18	7200	M06225.6_M_3.7A--	74	112M
207	6.99	167	3.06	7200	M06226.3_M_3.7A--	74	112M
185	7.85	187	2.74	7200	M06228.0_M_3.7A--	74	112M
145	9.97	238	2.50	7200	M06229.0_M_3.7A--	74	112M
128	11.3	270	2.24	7200	M062211_M_3.7A--	74	112M
108	13.48	322	1.90	7200	M062212_M_3.7A--	74	112M
93	15.52	371	1.43	7200	M062214_M_3.7A--	74	112M
80	18.05	431	1.38	7200	M062216_M_3.7A--	74	112M
72	20.2	482	1.30	7200	M062218_M_3.7A--	74	112M
67	21.53	514	1.22	7200	M062220_M_3.7A--	74	112M
57	25.51	609	1.03	7200	M062222_M_3.7A--	74	112M
53	27.24	651	0.96	7200	M062228_M_3.7A--	74	112M

NOTE
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SELECTION TABLES

3.7 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
394	3.68	88	3.50	4017	M07223.6_M_-3.7A--	83	112M
285	5.09	122	3.50	4017	M07225.0_M_-3.7A--	83	112M
253	5.72	137	3.50	4017	M07225.6_M_-3.7A--	83	112M
231	6.29	150	3.50	4017	M07226.3_M_-3.7A--	83	112M
176	8.22	196	3.34	3996	M07228.0_M_-3.7A--	83	112M
155	9.34	223	3.09	3962	M07229.0_M_-3.7A--	83	112M
128	11.35	271	2.68	3900	M072211_M_-3.7A--	83	112M
116	12.48	298	2.49	3979	M072212_M_-3.7A--	83	112M
101	14.34	342	2.23	3931	M072214_M_-3.7A--	83	112M
89	16.26	388	2.03	3892	M072216_M_-3.7A--	83	112M
81	17.94	428	1.85	3853	M072218_M_-3.7A--	83	112M
71	20.54	491	1.64	4118	M072220_M_-3.7A--	83	112M
62	23.23	555	1.47	4380	M072222_M_-3.7A--	83	112M
54	26.93	643	1.29	4624	M072228_M_-3.7A--	83	112M
45	32.12	767	1.10	4700	M072232_M_-3.7A--	83	112M
41	35.17	840	1.02	5109	M072236_M_-3.7A--	83	112M
96	15.04	359	3.92	8020	M082214_M_-3.7A--	117	112M
87	16.69	399	3.59	8344	M082216_M_-3.7A--	117	112M
79	18.26	436	3.12	9068	M082218_M_-3.7A--	117	112M
70	20.66	493	2.97	9582	M082220_M_-3.7A--	117	112M
62	23.32	557	2.76	10062	M082222_M_-3.7A--	117	112M
51	28.27	675	2.37	10170	M082228_M_-3.7A--	117	112M
44	32.97	787	2.08	10295	M082232_M_-3.7A--	117	112M
40	36.21	865	1.91	10740	M082236_M_-3.7A--	117	112M
33	44.38	1060	1.59	12948	M082245_M_-3.7A--	117	112M
30	48.46	1157	1.46	14074	M082250_M_-3.7A--	117	112M
26	55.8	1333	1.17	16340	M082256_M_-3.7A--	117	112M
24	60.33	1426	1.14	16340	M083256_M_-3.7A--	121	112M
22	66.02	1561	1.06	16340	M083263_M_-3.7A--	121	112M
19	74.69	1766	0.96	16340	M083271_M_-3.7A--	121	112M
52	27.98	668	4.29	14321	M092228_M_-3.7A--	162	112M
45	32.31	772	3.81	15640	M092232_M_-3.7A--	162	112M
41	35.67	852	3.49	16865	M092236_M_-3.7A--	162	112M
33	43.35	1035	2.95	18927	M092245_M_-3.7A--	162	112M
30	49.07	1172	2.44	20500	M092250_M_-3.7A--	162	112M
26	55.18	1318	2.01	20500	M092256_M_-3.7A--	162	112M
25	59.07	1396	2.23	20500	M093256_M_-3.7A--	177	112M
22	64.64	1528	2.03	20500	M093263_M_-3.7A--	177	112M
20	73.13	1729	1.79	20500	M093271_M_-3.7A--	177	112M
18	82.55	1951	1.59	20500	M093280_M_-3.7A--	177	112M
14	100.07	2365	1.32	20500	M0932100_M_-3.7A--	177	112M
12	116.7	2759	1.12	20500	M0932112_M_-3.7A--	177	112M
11	128.19	3030	1.03	20500	M0932125_M_-3.7A--	177	112M
30	47.93	1145	3.72	30000	M102250_M_-3.7A--	191	112M
28	51.49	1230	3.15	30000	M102256_M_-3.7A--	191	112M
25	57.63	1362	3.51	30000	M103256_M_-3.7A--	214	112M
22	65.24	1542	3.10	30000	M103263_M_-3.7A--	214	112M
20	72.62	1717	2.79	30000	M103271_M_-3.7A--	214	112M
18	80.68	1907	2.51	30000	M103280_M_-3.7A--	214	112M
15	98.68	2333	2.05	30000	M1032100_M_-3.7A--	214	112M
13	113.96	2694	1.77	30000	M1032112_M_-3.7A--	214	112M
12	125.81	2974	1.61	30000	M1032125_M_-3.7A--	214	112M
9.5	152.91	3614	1.32	30000	M1032160_M_-3.7A--	214	112M
8.4	173.08	4091	1.17	30000	M1032180_M_-3.7A--	214	112M
7.5	194.62	4600	1.04	30000	M1032200_M_-3.7A--	214	112M
6.6	220.22	5098	0.94	30000	M1042225_M_-3.7A--	248	112M
15	95.34	2254	4.30	48000	M1332100_M_-3.7A--	311	112M
13	115.08	2720	3.57	48000	M1332112_M_-3.7A--	311	112M
11	132.56	3133	3.09	48000	M1332125_M_-3.7A--	311	112M
9.4	153.81	3636	2.67	48000	M1332160_M_-3.7A--	311	112M
8.1	179.28	4238	2.29	48000	M1332180_M_-3.7A--	311	112M
7.5	192.61	4553	2.13	48000	M1332200_M_-3.7A--	311	112M
6.4	224.86	5206	1.86	48000	M1342225_M_-3.7A--	352	112M
5.6	258.39	5982	1.62	48000	M1342250_M_-3.7A--	352	112M
5	289.16	6694	1.45	48000	M1342280_M_-3.7A--	352	112M
4.5	323.18	7482	1.30	48000	M1342300_M_-3.7A--	352	112M
3.9	370.11	8568	1.14	48000	M1342360_M_-3.7A--	352	112M
3.5	418.46	9688	1.01	48000	M1342400_M_-3.7A--	352	112M

NOTE

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SELECTION TABLES

3.7 kW
4 POLE

3.7 kW
6 POLE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
11	136.66	3230	4.02	68000	M1432125_M_-3.7A--	405	112M
9.1	158.58	3748	3.47	68000	M1432160_M_-3.7A--	405	112M
7.8	184.83	4369	2.97	68000	M1432180_M_-3.7A--	405	112M
7.3	198.58	4694	2.77	68000	M1432200_M_-3.7A--	405	112M
6.3	228.38	5287	2.45	68000	M1442225_M_-3.7A--	448	112M
5.9	244.15	5652	2.30	68000	M1442250_M_-3.7A--	448	112M
5.2	276.86	6409	2.03	68000	M1442280_M_-3.7A--	448	112M
4.3	337.68	7817	1.66	68000	M1442300_M_-3.7A--	448	112M
4.1	352.51	8161	1.59	68000	M1442360_M_-3.7A--	448	112M
3.6	405.06	9377	1.38	68000	M1442400_M_-3.7A--	448	112M
3.2	459.33	10634	1.22	68000	M1442450_M_-3.7A--	448	112M
2.9	506.63	11729	1.11	68000	M1442500_M_-3.7A--	448	112M
7.4	197.02	4657	3.14	75000	M1632200_M_-3.7A--	647	112M
268	3.58	129	1.81	4353	M04223.6_M_-3.7C--	99	132S
190	5.04	182	1.49	4463	M04225.0_M_-3.7C--	99	132S
170	5.65	204	1.41	4504	M04225.6_M_-3.7C--	99	132S
151	6.34	229	1.29	4575	M04226.3_M_-3.7C--	99	132S
119	8.05	290	1.07	4744	M04228.0_M_-3.7C--	99	132S
105	9.13	329	0.97	4833	M04229.0_M_-3.7C--	99	132S
268	3.58	129	2.27	4114	M05223.6_M_-3.7C--	99	132S
190	5.04	182	2.11	4418	M05225.0_M_-3.7C--	99	132S
170	5.65	204	2.02	4517	M05225.6_M_-3.7C--	99	132S
151	6.34	229	1.81	4578	M05226.3_M_-3.7C--	99	132S
119	8.05	290	1.55	4764	M05228.0_M_-3.7C--	99	132S
105	9.13	329	1.36	4833	M05229.0_M_-3.7C--	99	132S
88	10.89	393	1.15	4994	M052211_M_-3.7C--	99	132S
77	12.54	452	0.94	5167	M052212_M_-3.7C--	99	132S
216	4.44	160	2.27	7200	M06225.0_M_-3.7C--	104	132S
154	6.24	225	2.11	7200	M06225.6_M_-3.7C--	104	132S
137	6.99	252	2.02	7200	M06226.3_M_-3.7C--	104	132S
122	7.85	283	1.81	7200	M06228.0_M_-3.7C--	104	132S
96	9.97	360	1.65	7200	M06229.0_M_-3.7C--	104	132S
85	11.3	408	1.49	7200	M062211_M_-3.7C--	104	132S
71	13.48	486	1.29	7200	M062212_M_-3.7C--	104	132S
62	15.52	560	1.11	7200	M062214_M_-3.7C--	104	132S
53	18.05	651	0.96	7200	M062216_M_-3.7C--	104	132S
261	3.68	133	2.34	3842	M07223.6_M_-3.7C--	113	132S
189	5.09	184	2.34	3842	M07225.0_M_-3.7C--	113	132S
168	5.72	206	2.34	3842	M07225.6_M_-3.7C--	113	132S
153	6.29	227	2.34	3842	M07226.3_M_-3.7C--	113	132S
117	8.22	297	2.34	3842	M07228.0_M_-3.7C--	113	132S
103	9.34	337	2.23	3823	M07229.0_M_-3.7C--	113	132S
85	11.35	409	1.90	3757	M072211_M_-3.7C--	113	132S
77	12.48	450	1.77	3941	M072212_M_-3.7C--	113	132S
67	14.34	517	1.58	4206	M072214_M_-3.7C--	113	132S
59	16.26	587	1.41	4360	M072216_M_-3.7C--	113	132S
54	17.94	647	1.29	4627	M072218_M_-3.7C--	113	132S
47	20.54	741	1.15	4670	M072220_M_-3.7C--	113	132S
41	23.23	838	1.03	5115	M072222_M_-3.7C--	113	132S
36	26.93	971	0.90	6176	M072228_M_-3.7C--	113	132S
261	3.68	133	3.68	7213	M08223.6_M_-3.7C--	146	132S
184	5.21	188	3.68	7213	M08225.0_M_-3.7C--	146	132S
166	5.79	209	3.68	7213	M08225.6_M_-3.7C--	146	132S
149	6.44	232	3.68	7270	M08226.3_M_-3.7C--	146	132S
115	8.33	300	3.68	7328	M08228.0_M_-3.7C--	146	132S
103	9.35	337	3.68	7501	M08229.0_M_-3.7C--	146	132S
84	11.47	414	3.62	7605	M082211_M_-3.7C--	146	132S
74	12.92	466	3.19	7839	M082212_M_-3.7C--	146	132S
64	15.04	543	2.89	7753	M082214_M_-3.7C--	146	132S
58	16.69	602	2.39	7979	M082216_M_-3.7C--	146	132S
53	18.26	659	2.09	8674	M082218_M_-3.7C--	146	132S
46	20.66	745	1.99	10246	M082220_M_-3.7C--	146	132S
41	23.32	841	1.85	10699	M082222_M_-3.7C--	146	132S
34	28.27	1020	1.64	12991	M082228_M_-3.7C--	146	132S
29	32.97	1189	1.43	14041	M082232_M_-3.7C--	146	132S
27	36.21	1306	1.30	14412	M082236_M_-3.7C--	146	132S
22	44.38	1601	1.06	16307	M082245_M_-3.7C--	146	132S
20	48.46	1748	0.97	16151	M082250_M_-3.7C--	146	132S



SELECTION TABLES

3.7 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
52	18.5	667	4.27	14547	M092218_M_-3.7C--	194	132S
47	20.59	743	3.97	15013	M092220_M_-3.7C--	194	132S
42	22.87	825	3.70	15473	M092222_M_-3.7C--	194	132S
34	27.98	1009	3.08	16864	M092228_M_-3.7C--	194	132S
30	32.31	1165	2.67	18938	M092232_M_-3.7C--	194	132S
27	35.67	1287	2.42	20607	M092236_M_-3.7C--	194	132S
22	43.35	1564	1.99	18228	M092245_M_-3.7C--	194	132S
20	49.07	1770	1.61	20500	M092250_M_-3.7C--	194	132S
17	55.18	1990	1.33	20500	M092256_M_-3.7C--	194	132S
16	59.07	2109	1.47	20500	M093256_M_-3.7C--	209	132S
15	64.64	2308	1.35	20500	M093263_M_-3.7C--	209	132S
13	73.13	2611	1.19	20500	M093271_M_-3.7C--	209	132S
12	82.55	2947	1.06	20500	M093280_M_-3.7C--	209	132S
10	100.07	3573	0.88	20500	M0932100_M_-3.7C--	209	132S
27	35.44	1278	3.91	30000	M102236_M_-3.7C--	223	132S
23	41.12	1483	3.37	30000	M102245_M_-3.7C--	223	132S
20	47.93	1729	2.46	30000	M102250_M_-3.7C--	223	132S
19	51.49	1857	2.09	30000	M102256_M_-3.7C--	223	132S
17	57.63	2058	2.32	30000	M103256_M_-3.7C--	246	132S
15	65.24	2329	2.05	30000	M103263_M_-3.7C--	246	132S
13	72.62	2593	1.85	30000	M103271_M_-3.7C--	246	132S
12	80.68	2881	1.65	30000	M103280_M_-3.7C--	246	132S
10	98.68	3523	1.35	30000	M1032100_M_-3.7C--	246	132S
8.4	113.96	4069	1.18	30000	M1032112_M_-3.7C--	246	132S
7.6	125.81	4492	1.06	30000	M1032125_M_-3.7C--	246	132S
6.3	152.91	5459	0.88	30000	M1032160_M_-3.7C--	246	132S
19	50.7	1829	3.23	48000	M132250_M_-3.7C--	304	132S
18	53.94	1946	3.23	48000	M132256_M_-3.7C--	304	132S
14	66.4	2371	4.09	48000	M133263_M_-3.7C--	343	132S
13	72.6	2592	3.74	48000	M133271_M_-3.7C--	343	132S
12	80.7	2881	3.36	48000	M133280_M_-3.7C--	343	132S
10	95.3	3403	2.85	48000	M1332100_M_-3.7C--	343	132S
8.3	115.1	4109	2.36	48000	M1332112_M_-3.7C--	343	132S
7.2	132.6	4734	2.05	48000	M1332125_M_-3.7C--	343	132S
6.2	153.8	5491	1.76	48000	M1332160_M_-3.7C--	343	132S
5.4	179.3	6402	1.51	48000	M1332180_M_-3.7C--	343	132S
5	192.6	6876	1.37	48000	M1332200_M_-3.7C--	343	132S
4.3	224.86	7863	1.23	48000	M1342225_M_-3.7C--	382	132S
3.7	258.39	9035	1.07	48000	M1342250_M_-3.7C--	382	132S
10	98.3	3510	3.71	68000	M1432100_M_-3.7C--	437	132S
8.1	118.61	4235	3.07	68000	M1432112_M_-3.7C--	437	132S
7	136.66	4879	2.66	68000	M1432125_M_-3.7C--	437	132S
6.1	158.58	5662	2.29	68000	M1432160_M_-3.7C--	437	132S
5.2	184.83	6599	1.97	68000	M1432180_M_-3.7C--	437	132S
4.8	198.58	7090	1.84	68000	M1432200_M_-3.7C--	437	132S
4.2	228.38	7986	1.63	68000	M1442225_M_-3.7C--	478	132S
3.9	244.15	8537	1.52	68000	M1442250_M_-3.7C--	478	132S
3.5	276.86	9681	1.34	68000	M1442280_M_-3.7C--	478	132S
2.8	337.68	11808	1.10	68000	M1442300_M_-3.7C--	478	132S
2.7	352.51	12326	1.06	68000	M1442360_M_-3.7C--	478	132S
2.4	405.06	14164	0.92	68000	M1442400_M_-3.7C--	478	132S
6.4	149.79	5403	3.87	75000	M1632160_M_-3.7C--	680	132S
5.5	175.64	6336	3.05	75000	M1632180_M_-3.7C--	680	132S
4.9	197.02	7107	2.08	75000	M1632200_M_-3.7C--	680	132S
4.2	228.8	8000	2.58	75000	M1642225_M_-3.7C--	847	132S
3.6	264.6	9252	2.24	75000	M1642250_M_-3.7C--	847	132S
3.4	285.8	9994	2.08	75000	M1642280_M_-3.7C--	847	132S
3	323.53	11313	1.83	75000	M1642300_M_-3.7C--	847	132S
2.7	360.14	12593	1.64	75000	M1642360_M_-3.7C--	847	132S
2.4	400.12	13991	1.48	75000	M1642400_M_-3.7C--	847	132S
1.9	504.17	17629	1.18	75000	M1642500_M_-3.7C--	847	132S
1.5	646.71	22613	0.92	75000	M1642650_M_-3.7C--	847	132S

NOTE

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



SELECTION TABLES

5.5 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
405	3.58	127	1.60	4106	M04223.6_M_5.5A--	96	132S
288	5.04	179	1.32	4105	M04225.0_M_5.5A--	96	132S
257	5.65	201	1.24	4148	M04225.6_M_5.5A--	96	132S
229	6.34	225	1.16	4179	M04226.3_M_5.5A--	96	132S
180	8.05	286	1.01	4285	M04228.0_M_5.5A--	96	132S
159	9.13	324	0.92	4371	M04229.0_M_5.5A--	96	132S
405	3.58	127	2.30	3846	M05223.6_M_5.5A--	96	132S
288	5.04	179	2.14	4022	M05225.0_M_5.5A--	96	132S
257	5.65	201	2.04	4099	M05225.6_M_5.5A--	96	132S
229	6.34	225	1.84	4169	M05226.3_M_5.5A--	96	132S
180	8.05	286	1.56	4327	M05228.0_M_5.5A--	96	132S
159	9.13	324	1.39	4406	M05229.0_M_5.5A--	96	132S
133	10.89	387	1.16	4494	M052211_M_5.5A--	96	132S
116	12.54	445	0.96	4548	M052212_M_5.5A--	96	132S
99	14.58	518	0.87	4658	M052214_M_5.5A--	96	132S
327	4.44	158	2.30	7200	M06225.0_M_5.5A--	101	132S
232	6.24	222	2.14	7200	M06225.6_M_5.5A--	101	132S
207	6.99	248	2.06	7200	M06226.3_M_5.5A--	101	132S
185	7.85	279	1.84	7200	M06228.0_M_5.5A--	101	132S
145	9.97	354	1.68	7200	M06229.0_M_5.5A--	101	132S
128	11.30	401	1.51	7200	M062211_M_5.5A--	101	132S
108	13.48	479	1.28	7200	M062212_M_5.5A--	101	132S
93	15.52	551	0.96	7166	M062214_M_5.5A--	101	132S
80	18.05	641	0.93	7143	M062216_M_5.5A--	101	132S
72	20.20	717	0.87	7092	M062218_M_5.5A--	101	132S
67	21.53	764	0.82	7042	M062220_M_5.5A--	101	132S
394	3.68	131	2.37	3848	M07223.6_M_5.5A--	110	132S
285	5.09	181	2.37	3848	M07225.0_M_5.5A--	110	132S
253	5.72	203	2.37	3848	M07225.6_M_5.5A--	110	132S
231	6.29	223	2.37	3848	M07226.3_M_5.5A--	110	132S
176	8.22	292	2.24	3826	M07228.0_M_5.5A--	110	132S
155	9.34	332	2.08	3793	M07229.0_M_5.5A--	110	132S
128	11.35	403	1.80	3734	M072211_M_5.5A--	110	132S
116	12.48	443	1.67	3809	M072212_M_5.5A--	110	132S
101	14.34	509	1.49	3763	M072214_M_5.5A--	110	132S
89	16.26	577	1.37	3727	M072216_M_5.5A--	110	132S
81	17.94	637	1.25	3688	M072218_M_5.5A--	110	132S
71	20.54	729	1.11	3945	M072220_M_5.5A--	110	132S
62	23.23	825	0.99	4193	M072222_M_5.5A--	110	132S
54	26.93	956	0.87	4432	M072222_M_5.5A--	110	132S
394	3.68	131	3.69	7157	M08223.6_M_5.5A--	143	132S
278	5.21	185	3.71	7162	M08225.0_M_5.5A--	143	132S
250	5.79	206	3.71	7220	M08225.6_M_5.5A--	143	132S
225	6.44	229	3.71	7278	M08226.3_M_5.5A--	143	132S
174	8.33	296	3.72	7337	M08228.0_M_5.5A--	143	132S
155	9.35	332	3.68	7501	M08229.0_M_5.5A--	143	132S
126	11.47	407	3.23	7509	M082211_M_5.5A--	143	132S
112	12.92	459	2.94	7769	M082212_M_5.5A--	143	132S
96	15.04	534	2.65	7681	M082214_M_5.5A--	143	132S
87	16.69	592	2.42	7990	M082216_M_5.5A--	143	132S
79	18.26	648	2.11	8685	M082218_M_5.5A--	143	132S
70	20.66	733	2.00	9173	M082220_M_5.5A--	143	132S
62	23.32	828	1.86	9636	M082222_M_5.5A--	143	132S
51	28.27	1004	1.60	9741	M082228_M_5.5A--	143	132S
44	32.97	1170	1.40	9858	M082232_M_5.5A--	143	132S
40	36.21	1285	1.29	10284	M082236_M_5.5A--	143	132S
33	44.38	1575	1.06	12379	M082245_M_5.5A--	143	132S
30	48.46	1720	0.97	13455	M082250_M_5.5A--	143	132S
78	18.50	657	3.84	12870	M092218_M_5.5A--	191	132S
70	20.59	731	3.56	12763	M092220_M_5.5A--	191	132S
63	22.87	812	3.31	12892	M092222_M_5.5A--	191	132S
52	27.98	993	2.89	13710	M092228_M_5.5A--	191	132S
45	32.31	1147	2.56	14973	M092232_M_5.5A--	191	132S
41	35.67	1266	2.35	16145	M092236_M_5.5A--	191	132S
33	43.35	1539	1.99	18119	M092245_M_5.5A--	191	132S
30	49.07	1742	1.64	20500	M092250_M_5.5A--	191	132S
26	55.18	1959	1.35	20500	M092256_M_5.5A--	191	132S
25	59.07	2076	1.50	20500	M093256_M_5.5A--	206	132S
22	64.64	2271	1.37	20500	M093263_M_5.5A--	206	132S
20	73.13	2570	1.21	20500	M093271_M_5.5A--	206	132S
18	82.55	2901	1.07	20500	M093280_M_5.5A--	206	132S
14	100.07	3516	0.88	20500	M0932100_M_5.5A--	206	132S
35	41.12	1460	3.43	23015	M102245_M_5.5A--	220	132S
30	47.93	1701	2.50	30000	M102250_M_5.5A--	220	132S
28	51.49	1828	2.12	30000	M102256_M_5.5A--	220	132S

NOTE

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



SELECTION TABLES

5.5 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
25	57.63	2025	2.36	30000	M103256_M_-5.5A--	243	132S
22	65.24	2292	2.09	30000	M103263_M_-5.5A--	243	132S
20	72.62	2552	1.87	30000	M103271_M_-5.5A--	243	132S
18	80.68	2835	1.69	30000	M103280_M_-5.5A--	243	132S
15	98.68	3467	1.38	30000	M1032100_M_-5.5A--	243	132S
13	113.96	4004	1.19	30000	M1032112_M_-5.5A--	243	132S
12	125.81	4421	1.08	30000	M1032125_M_-5.5A--	243	132S
9.5	152.91	5373	0.89	30000	M1032160_M_-5.5A--	243	132S
29	50.70	1800	3.28	48000	M132250_M_-5.5A--	301	132S
27	53.94	1915	3.28	48000	M132256_M_-5.5A--	301	132S
20	72.60	2551	3.71	48000	M133271_M_-5.5A--	340	132S
18	80.68	2835	3.38	48000	M133280_M_-5.5A--	340	132S
15	95.34	3350	2.90	48000	M1332100_M_-5.5A--	340	132S
13	115.08	4044	2.40	48000	M1332112_M_-5.5A--	340	132S
11	132.56	4658	2.08	48000	M1332125_M_-5.5A--	340	132S
9.4	153.81	5404	1.79	48000	M1332160_M_-5.5A--	340	132S
8.1	179.28	6299	1.54	48000	M1332180_M_-5.5A--	340	132S
7.5	192.61	6768	1.43	48000	M1332200_M_-5.5A--	340	132S
6.4	224.86	7738	1.25	48000	M1342225_M_-5.5A--	379	132S
5.6	258.39	8892	1.09	48000	M1342250_M_-5.5A--	379	132S
5.0	289.16	9951	0.97	48000	M1342280_M_-5.5A--	379	132S
15	98.30	3454	3.76	68000	M1432100_M_-5.5A--	434	132S
12	118.61	4168	3.12	68000	M1432112_M_-5.5A--	434	132S
11	136.66	4802	2.71	68000	M1432125_M_-5.5A--	434	132S
9.1	158.58	5572	2.33	68000	M1432160_M_-5.5A--	434	132S
7.8	184.83	6494	2.00	68000	M1432180_M_-5.5A--	434	132S
7.3	198.58	6978	1.86	68000	M1432200_M_-5.5A--	434	132S
6.3	228.38	7859	1.65	68000	M1442225_M_-5.5A--	475	132S
5.9	244.15	8402	1.55	68000	M1442250_M_-5.5A--	475	132S
5.2	276.86	9528	1.36	68000	M1442280_M_-5.5A--	475	132S
4.3	337.68	11621	1.12	68000	M1442300_M_-5.5A--	475	132S
4.1	352.51	12131	1.07	68000	M1442360_M_-5.5A--	475	132S
3.6	405.06	13939	0.93	68000	M1442400_M_-5.5A--	475	132S
3.2	459.33	15807	0.82	68000	M1442450_M_-5.5A--	475	132S
10	149.79	5263	3.93	75000	M1632160_M_-5.5A--	677	132S
8.3	175.64	6172	3.09	75000	M1632180_M_-5.5A--	677	132S
7.4	197.02	6923	2.11	75000	M1632200_M_-5.5A--	677	132S
6.3	228.84	7875	2.63	75000	M1642225_M_-5.5A--	844	132S
5.5	264.58	9105	2.27	75000	M1642250_M_-5.5A--	844	132S
5.1	285.80	9835	2.10	75000	M1642280_M_-5.5A--	844	132S
4.5	323.53	11134	1.86	75000	M1642300_M_-5.5A--	844	132S
4.0	360.14	12393	1.67	75000	M1642360_M_-5.5A--	844	132S
3.6	400.12	13769	1.50	75000	M1642400_M_-5.5A--	844	132S
2.9	504.17	17350	1.19	75000	M1642500_M_-5.5A--	844	132S
2.2	646.71	22255	0.93	75000	M1642650_M_-5.5A--	844	132S
2.0	718.50	24726	0.84	75000	M1642730_M_-5.5A--	844	132S

5.5 kW
6 POLE

268	3.58	192	1.21	4168	M04223.6_M_-5.5C--	99	132M
268	3.58	192	1.42	4437	M04225.0_M_-5.5C--	99	132M
268	3.58	192	1.49	4535	M04225.6_M_-5.5C--	99	132M
268	3.58	192	1.53	4664	M04226.3_M_-5.5C--	99	132M
268	3.58	192	1.53	3939	M05223.6_M_-5.5C--	99	132M
190	5.04	270	1.42	4229	M05225.0_M_-5.5C--	99	132M
170	5.65	303	1.36	4324	M05225.6_M_-5.5C--	99	132M
151	6.34	340	1.21	4383	M05226.3_M_-5.5C--	99	132M
216	4.44	238	1.52	7200	M06225.0_M_-5.5C--	104	132M
154	6.24	335	1.42	7200	M06225.6_M_-5.5C--	104	132M
137	6.99	375	1.36	7200	M06226.3_M_-5.5C--	104	132M
122	7.85	421	1.22	7200	M06228.0_M_-5.5C--	104	132M
96	9.97	535	1.11	7200	M06229.0_M_-5.5C--	104	132M
85	11.30	606	1.00	7200	M062211_M_-5.5C--	104	132M
261	3.68	197	1.57	3678	M07223.6_M_-5.5C--	113	132M
189	5.09	273	1.57	3678	M07225.0_M_-5.5C--	113	132M
168	5.72	307	1.57	3678	M07225.6_M_-5.5C--	113	132M
153	6.29	337	1.57	3678	M07226.3_M_-5.5C--	113	132M
117	8.22	441	1.57	3678	M07228.0_M_-5.5C--	113	132M
103	9.34	501	1.50	3660	M07229.0_M_-5.5C--	113	132M
85	11.35	609	1.28	3596	M072211_M_-5.5C--	113	132M
77	12.48	669	1.20	3775	M072212_M_-5.5C--	113	132M
67	14.34	769	1.06	4026	M072214_M_-5.5C--	113	132M
59	16.26	872	0.95	4176	M072216_M_-5.5C--	113	132M
54	17.94	962	0.87	4432	M072218_M_-5.5C--	113	132M

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



SELECTION TABLES

5.5 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 - 20 Blanks to be filled when entering order	Weight of base mount unit	Motor Size
261	3.68	197	2.46	6901	M08223.6_M_-5.5C-	146	132M
184	5.21	279	2.46	6901	M08225.0_M_-5.5C-	146	132M
166	5.79	310	2.46	6901	M08225.6_M_-5.5C-	146	132M
149	6.44	345	2.46	6957	M08226.3_M_-5.5C-	146	132M
115	8.33	447	2.46	7012	M08228.0_M_-5.5C-	146	132M
103	9.35	501	2.46	7177	M08229.0_M_-5.5C-	146	132M
84	11.47	615	2.44	7280	M082211_M_-5.5C-	146	132M
74	12.92	693	2.22	7534	M082212_M_-5.5C-	146	132M
64	15.04	806	2.01	7450	M082214_M_-5.5C-	146	132M
58	16.69	895	1.61	7640	M082216_M_-5.5C-	146	132M
53	18.26	979	1.41	8308	M082218_M_-5.5C-	146	132M
46	20.66	1108	1.33	9803	M082220_M_-5.5C-	146	132M
41	23.32	1250	1.24	10239	M082222_M_-5.5C-	146	132M
34	28.27	1516	1.10	12432	M082228_M_-5.5C-	146	132M
29	32.97	1768	0.96	13442	M082232_M_-5.5C-	146	132M
27	36.21	1942	0.88	13797	M082236_M_-5.5C-	146	132M
59	16.34	876	3.16	13052	M092216_M_-5.5C-	194	132M
52	18.50	992	2.87	13926	M092218_M_-5.5C-	194	132M
47	20.59	1104	2.67	14373	M092220_M_-5.5C-	194	132M
42	22.87	1226	2.49	14813	M092222_M_-5.5C-	194	132M
34	27.98	1500	2.07	16144	M092228_M_-5.5C-	194	132M
30	32.31	1732	1.80	18130	M092232_M_-5.5C-	194	132M
27	35.67	1913	1.63	19727	M092236_M_-5.5C-	194	132M
22	43.35	2324	1.34	17450	M092245_M_-5.5C-	194	132M
20	49.07	2631	1.09	20500	M092250_M_-5.5C-	194	132M
17	55.18	2959	0.90	20500	M092256_M_-5.5C-	194	132M
16	59.07	3135	0.99	20500	M093256_M_-5.5C-	209	132M
15	64.64	3431	0.91	20500	M093263_M_-5.5C-	209	132M
38	25.49	1367	3.44	24972	M102228_M_-5.5C-	223	132M
31	30.76	1649	3.03	25984	M102232_M_-5.5C-	223	132M
27	35.44	1900	2.63	29476	M102236_M_-5.5C-	223	132M
23	41.12	2205	2.27	30000	M102245_M_-5.5C-	223	132M
20	47.93	2570	1.66	30000	M102250_M_-5.5C-	223	132M
19	51.49	2761	1.40	30000	M102256_M_-5.5C-	223	132M
17	57.63	3059	1.56	30000	M103256_M_-5.5C-	246	132M
15	65.24	3462	1.38	30000	M103263_M_-5.5C-	246	132M
13	72.62	3854	1.24	30000	M103271_M_-5.5C-	246	132M
12	80.68	4282	1.12	30000	M103280_M_-5.5C-	246	132M
10	98.68	5237	0.91	30000	M1032100_M_-5.5C-	246	132M
22	43.25	2319	3.33	48000	M132245_M_-5.5C-	304	132M
19	50.70	2718	2.17	48000	M132250_M_-5.5C-	304	132M
18	53.94	2892	2.17	48000	M132256_M_-5.5C-	304	132M
16	59.76	3172	3.04	48000	M133256_M_-5.5C-	343	132M
14	66.40	3524	2.75	48000	M133263_M_-5.5C-	343	132M
13	72.60	3853	2.52	48000	M133271_M_-5.5C-	343	132M
12	80.68	4282	2.27	48000	M133280_M_-5.5C-	343	132M
10	95.34	5060	1.92	48000	M1332100_M_-5.5C-	343	132M
8.3	115.08	6108	1.59	48000	M1332112_M_-5.5C-	343	132M
7.2	132.56	7035	1.38	48000	M1332125_M_-5.5C-	343	132M
6.2	153.81	8163	1.19	48000	M1332160_M_-5.5C-	343	132M
5.4	179.28	9515	1.02	48000	M1332180_M_-5.5C-	343	132M
5.0	192.61	10222	0.92	48000	M1332200_M_-5.5C-	343	132M
14	68.46	3633	3.58	68000	M143263_M_-5.5C-	437	132M
13	74.85	3972	3.27	68000	M143271_M_-5.5C-	437	132M
12	83.17	4414	2.95	68000	M143280_M_-5.5C-	437	132M
10	98.30	5217	2.49	68000	M1432100_M_-5.5C-	437	132M
8.1	118.61	6295	2.07	68000	M1432112_M_-5.5C-	437	132M
7.0	136.66	7253	1.79	68000	M1432125_M_-5.5C-	437	132M
6.1	158.58	8416	1.54	68000	M1432160_M_-5.5C-	437	132M
5.2	184.83	9809	1.33	68000	M1432180_M_-5.5C-	437	132M
4.8	198.58	10539	1.23	68000	M1432200_M_-5.5C-	437	132M
4.2	228.38	11871	1.10	68000	M1442225_M_-5.5C-	478	132M
3.9	244.15	12690	1.02	68000	M1442250_M_-5.5C-	478	132M
3.5	276.86	14391	0.90	68000	M1442280_M_-5.5C-	478	132M
10	98.51	5228	3.96	75000	M1632100_M_-5.5C-	680	132M
8.1	118.21	6274	3.30	75000	M1632112_M_-5.5C-	680	132M
7.5	128.08	6797	3.05	75000	M1632125_M_-5.5C-	680	132M
6.4	149.79	7950	2.60	75000	M1632160_M_-5.5C-	680	132M
5.5	175.64	9322	2.05	75000	M1632180_M_-5.5C-	680	132M
4.9	197.02	10456	1.40	75000	M1632200_M_-5.5C-	680	132M

NOTE

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



SELECTION TABLES

5.5 kW
6 POLE

7.5 kW
4 POLES

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
4.2	228.84	11894	1.74	75000	M1642225_M_ - 5.5C--	847	132M
3.6	264.58	13752	1.51	75000	M1642250_M_ - 5.5C--	847	132M
3.4	285.80	14855	1.39	75000	M1642280_M_ - 5.5C--	847	132M
3.0	323.53	16816	1.23	75000	M1642300_M_ - 5.5C--	847	132M
2.7	360.14	18719	1.11	75000	M1642360_M_ - 5.5C--	847	132M
2.4	400.12	20797	1.00	75000	M1642400_M_ - 5.5C--	847	132M
2.2	445.37	23149	0.89	75000	M1642450_M_ - 5.5C--	847	132M
405	3.58	173	1.17	3968	M04223.6_M_ - 7.5A--	99	132M
405	3.58	173	1.37	4119	M04225.0_M_ - 7.5A--	99	132M
405	3.58	173	1.44	4215	M04225.6_M_ - 7.5A--	99	132M
405	3.58	173	1.51	4301	M04226.3_M_ - 7.5A--	99	132M
405	3.58	173	1.68	3717	M05223.6_M_ - 7.5A--	99	132M
288	5.04	244	1.57	3887	M05225.0_M_ - 7.5A--	99	132M
257	5.65	274	1.50	3962	M05225.6_M_ - 7.5A--	99	132M
229	6.34	307	1.35	4029	M05226.3_M_ - 7.5A--	99	132M
327	4.44	215	1.68	7200	M06225.0_M_ - 7.5A--	104	132M
232	6.24	302	1.57	7200	M06225.6_M_ - 7.5A--	104	132M
207	6.99	338	1.51	7200	M06226.3_M_ - 7.5A--	104	132M
185	7.85	380	1.35	7200	M06228.0_M_ - 7.5A--	104	132M
145	9.97	483	1.23	7200	M06229.0_M_ - 7.5A--	104	132M
128	11.30	547	1.10	7200	M062211_M_ - 7.5A--	104	132M
394	3.68	178	1.74	3720	M07223.6_M_ - 7.5A--	113	132M
285	5.09	246	1.74	3720	M07225.0_M_ - 7.5A--	113	132M
253	5.72	277	1.74	3720	M07225.6_M_ - 7.5A--	113	132M
231	6.29	304	1.74	3720	M07226.3_M_ - 7.5A--	113	132M
176	8.22	398	1.65	3697	M07228.0_M_ - 7.5A--	113	132M
155	9.34	452	1.52	3666	M07229.0_M_ - 7.5A--	113	132M
128	11.35	549	1.32	3609	M072211_M_ - 7.5A--	113	132M
116	12.48	604	1.23	3683	M072212_M_ - 7.5A--	113	132M
101	14.34	694	1.10	3637	M072214_M_ - 7.5A--	113	132M
89	16.26	787	1.01	3604	M072216_M_ - 7.5A--	113	132M
81	17.94	868	0.92	3567	M072218_M_ - 7.5A--	113	132M
71	20.54	994	0.82	3816	M072220_M_ - 7.5A--	113	132M
394	3.68	178	2.72	6921	M08223.6_M_ - 7.5A--	146	132M
278	5.21	252	2.72	6921	M08225.0_M_ - 7.5A--	146	132M
250	5.79	280	2.72	6978	M08225.6_M_ - 7.5A--	146	132M
225	6.44	312	2.72	7034	M08226.3_M_ - 7.5A--	146	132M
174	8.33	403	2.72	7089	M08228.0_M_ - 7.5A--	146	132M
155	9.35	453	2.71	7253	M08229.0_M_ - 7.5A--	146	132M
126	11.47	555	2.38	7261	M082211_M_ - 7.5A--	146	132M
112	12.92	625	2.17	7514	M082212_M_ - 7.5A--	146	132M
96	15.04	728	1.95	7426	M082214_M_ - 7.5A--	146	132M
87	16.69	808	1.78	7725	M082216_M_ - 7.5A--	146	132M
79	18.26	884	1.55	8395	M082218_M_ - 7.5A--	146	132M
70	20.66	1000	1.47	8868	M082220_M_ - 7.5A--	146	132M
62	23.32	1129	1.37	9317	M082222_M_ - 7.5A--	146	132M
51	28.27	1369	1.18	9420	M082228_M_ - 7.5A--	146	132M
44	32.97	1596	1.03	9531	M082232_M_ - 7.5A--	146	132M
40	36.21	1753	0.95	9944	M082236_M_ - 7.5A--	146	132M
89	16.34	791	3.10	12343	M092216_M_ - 7.5A--	194	132M
78	18.50	896	2.81	12438	M092218_M_ - 7.5A--	194	132M
70	20.59	997	2.61	12335	M092220_M_ - 7.5A--	194	132M
63	22.87	1107	2.43	12459	M092222_M_ - 7.5A--	194	132M
52	27.98	1354	2.12	13250	M092228_M_ - 7.5A--	194	132M
45	32.31	1564	1.88	14470	M092232_M_ - 7.5A--	194	132M
41	35.67	1727	1.72	15604	M092236_M_ - 7.5A--	194	132M
33	43.35	2099	1.46	17512	M092245_M_ - 7.5A--	194	132M
30	49.07	2375	1.20	20500	M092250_M_ - 7.5A--	194	132M
26	55.18	2671	0.99	20500	M092256_M_ - 7.5A--	194	132M
25	59.07	2830	1.10	20500	M093256_M_ - 7.5A--	209	132M
22	64.64	3097	1.00	20500	M093263_M_ - 7.5A--	209	132M
20	73.13	3504	0.89	20500	M093271_M_ - 7.5A--	209	132M
57	25.49	1234	3.81	15176	M102228_M_ - 7.5A--	223	132M
47	30.76	1489	3.36	15653	M102232_M_ - 7.5A--	223	132M
41	35.44	1716	2.91	18898	M102236_M_ - 7.5A--	223	132M
35	41.12	1991	2.51	22243	M102245_M_ - 7.5A--	223	132M
30	47.93	2320	1.84	30000	M102250_M_ - 7.5A--	223	132M
28	51.49	2493	1.55	30000	M102256_M_ - 7.5A--	223	132M



SELECTION TABLES

7.5 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
25	57.63	2761	1.73	30000	M103256_M_-7.5A--	246	132M
22	65.24	3126	1.53	30000	M103263_M_-7.5A--	246	132M
20	72.62	3480	1.37	30000	M103271_M_-7.5A--	246	132M
18	80.68	3866	1.24	30000	M103280_M_-7.5A--	246	132M
15	98.68	4728	1.01	30000	M1032100_M_-7.5A--	246	132M
13	113.96	5460	0.88	30000	M1032112_M_-7.5A--	246	132M
34	43.25	2094	3.69	48000	M132245_M_-7.5A--	304	132M
29	50.70	2454	2.41	48000	M132250_M_-7.5A--	304	132M
27	53.94	2611	2.41	48000	M132256_M_-7.5A--	304	132M
24	59.76	2863	3.22	48000	M133256_M_-7.5A--	343	132M
22	66.40	3182	2.94	48000	M133263_M_-7.5A--	343	132M
20	72.60	3479	2.72	48000	M133271_M_-7.5A--	343	132M
18	80.68	3866	2.48	48000	M133280_M_-7.5A--	343	132M
15	95.34	4568	2.12	48000	M1332100_M_-7.5A--	343	132M
13	115.08	5514	1.76	48000	M1332112_M_-7.5A--	343	132M
11	132.56	6352	1.53	48000	M1332125_M_-7.5A--	343	132M
9.4	153.81	7370	1.32	48000	M1332160_M_-7.5A--	343	132M
8.1	179.28	8590	1.13	48000	M1332180_M_-7.5A--	343	132M
7.5	192.61	9229	1.05	48000	M1332200_M_-7.5A--	343	132M
6.4	224.86	10552	0.92	48000	M1342225_M_-7.5A--	382	132M
19	74.85	3586	3.62	68000	M143271_M_-7.5A--	437	132M
17	83.17	3985	3.26	68000	M143280_M_-7.5A--	437	132M
15	98.30	4710	2.76	68000	M1432100_M_-7.5A--	437	132M
12	118.61	5683	2.29	68000	M1432112_M_-7.5A--	437	132M
11	136.66	6548	1.99	68000	M1432125_M_-7.5A--	437	132M
9.1	158.58	7598	1.71	68000	M1432160_M_-7.5A--	437	132M
7.8	184.83	8856	1.47	68000	M1432180_M_-7.5A--	437	132M
7.3	198.58	9515	1.37	68000	M1432200_M_-7.5A--	437	132M
6.3	228.38	10717	1.21	68000	M1442225_M_-7.5A--	478	132M
5.9	244.15	11457	1.13	68000	M1442250_M_-7.5A--	478	132M
5.2	276.86	12992	1.00	68000	M1442280_M_-7.5A--	478	132M
4.3	337.68	15846	0.82	68000	M1442300_M_-7.5A--	478	132M
12	118.21	5664	3.65	75000	M1632112_M_-7.5A--	680	132M
11	128.08	6137	3.37	75000	M1632125_M_-7.5A--	680	132M
10	149.79	7177	2.88	75000	M1632160_M_-7.5A--	680	132M
8.3	175.64	8416	2.27	75000	M1632180_M_-7.5A--	680	132M
7.4	197.02	9440	1.55	75000	M1632200_M_-7.5A--	680	132M
6.3	228.84	10739	1.93	75000	M1642225_M_-7.5A--	847	132M
5.5	264.58	12416	1.67	75000	M1642250_M_-7.5A--	847	132M
5.1	285.80	13412	1.54	75000	M1642280_M_-7.5A--	847	132M
4.5	323.53	15182	1.36	75000	M1642300_M_-7.5A--	847	132M
4.0	360.14	16900	1.22	75000	M1642360_M_-7.5A--	847	132M
3.6	400.12	18776	1.10	75000	M1642400_M_-7.5A--	847	132M
3.3	445.37	20900	0.99	75000	M1642450_M_-7.5A--	847	132M
2.9	504.17	23659	0.87	75000	M1642500_M_-7.5A--	847	132M
3.3	445.37	20900	0.99	75000	M1642450_M_-7.5A--	847	132M
2.9	504.17	23659	0.87	75000	M1642500_M_-7.5A--	847	132M

7.5 kW
6 POLE

264	3.68	266	1.15	3554	M07223.6_M_-7.5C--	176	160M
191	5.09	368	1.15	3556	M07225.0_M_-7.5C--	176	160M
170	5.72	414	1.15	3556	M07225.6_M_-7.5C--	176	160M
154	6.29	455	1.16	3556	M07226.3_M_-7.5C--	176	160M
118	8.22	595	1.15	3556	M07228.0_M_-7.5C--	176	160M
104	9.34	676	1.10	3537	M07229.0_M_-7.5C--	176	160M
264	3.68	266	1.82	6675	M08223.6_M_-7.5C--	207	160M
186	5.21	377	1.82	6678	M08225.0_M_-7.5C--	207	160M
168	5.79	419	1.82	6677	M08225.6_M_-7.5C--	207	160M
151	6.44	466	1.82	6729	M08226.3_M_-7.5C--	207	160M
116	8.33	603	1.82	6784	M08228.0_M_-7.5C--	207	160M
104	9.35	677	1.82	6943	M08229.0_M_-7.5C--	207	160M
85	11.47	830	1.81	7044	M082211_M_-7.5C--	207	160M
75	12.92	935	1.65	7289	M082212_M_-7.5C--	207	160M
64	15.04	1088	1.49	7209	M082214_M_-7.5C--	207	160M
58	16.69	1208	1.18	7380	M082216_M_-7.5C--	207	160M
53	18.26	1321	1.03	8025	M082218_M_-7.5C--	207	160M
47	20.66	1495	0.98	9475	M082220_M_-7.5C--	207	160M
42	23.32	1688	0.91	9900	M082222_M_-7.5C--	207	160M
34	28.27	2046	0.82	12028	M082228_M_-7.5C--	207	160M

NOTE

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



SELECTION TABLES

7.5 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
118	8.22	595	3.65	13490	M09228.0_M_-7.5C-	260	160M
106	9.19	665	3.40	13271	M09229.0_M_-7.5C-	260	160M
85	11.47	830	2.94	12948	M092211_M_-7.5C-	260	160M
76	12.74	922	2.73	12733	M092212_M_-7.5C-	260	160M
67	14.53	1051	2.50	12610	M092214_M_-7.5C-	260	160M
59	16.34	1182	2.34	12629	M092216_M_-7.5C-	260	160M
52	18.50	1339	2.13	13475	M092218_M_-7.5C-	260	160M
47	20.59	1490	1.98	13907	M092220_M_-7.5C-	260	160M
42	22.87	1655	1.84	14332	M092222_M_-7.5C-	260	160M
35	27.98	2025	1.54	15620	M092228_M_-7.5C-	260	160M
30	32.31	2338	1.33	17542	M092232_M_-7.5C-	260	160M
27	35.67	2581	1.20	19087	M092236_M_-7.5C-	260	160M
22	43.35	3137	0.99	16884	M092245_M_-7.5C-	260	160M
61	15.98	1156	3.17	25321	M102216_M_-7.5C-	289	160M
55	17.75	1284	3.18	22831	M102218_M_-7.5C-	289	160M
50	19.41	1405	3.18	20672	M102220_M_-7.5C-	289	160M
45	21.57	1561	3.00	20541	M102222_M_-7.5C-	289	160M
38	25.49	1845	2.55	24162	M102228_M_-7.5C-	289	160M
32	30.76	2226	2.25	25141	M102232_M_-7.5C-	289	160M
27	35.44	2565	1.95	28519	M102236_M_-7.5C-	289	160M
24	41.12	2976	1.68	30000	M102245_M_-7.5C-	289	160M
20	47.93	3468	1.23	30000	M102250_M_-7.5C-	289	160M
19	51.49	3726	1.04	30000	M102256_M_-7.5C-	289	160M
17	57.63	4128	1.16	30000	M103256_M_-7.5C-	312	160M
15	65.24	4673	1.02	30000	M103263_M_-7.5C-	312	160M
13	72.62	5201	0.92	30000	M103271_M_-7.5C-	312	160M
12	80.68	5779	0.83	30000	M103280_M_-7.5C-	312	160M
29	33.25	2406	3.77	48000	M132232_M_-7.5C-	371	160M
26	37.03	2680	3.43	48000	M132236_M_-7.5C-	371	160M
22	43.25	3130	2.47	48000	M132245_M_-7.5C-	371	160M
19	50.70	3669	1.61	48000	M132250_M_-7.5C-	371	160M
18	53.94	3903	1.61	48000	M132256_M_-7.5C-	371	160M
16	59.76	4280	2.25	48000	M133256_M_-7.5C-	409	160M
15	66.40	4756	2.04	48000	M133263_M_-7.5C-	409	160M
13	72.60	5200	1.87	48000	M133271_M_-7.5C-	409	160M
12	80.68	5779	1.68	48000	M133280_M_-7.5C-	409	160M
10	95.34	6829	1.42	48000	M1332100_M_-7.5C-	409	160M
8.4	115.08	8243	1.18	48000	M1332112_M_-7.5C-	409	160M
7.3	132.56	9495	1.02	48000	M1332125_M_-7.5C-	409	160M
6.3	153.81	11017	0.88	48000	M1332160_M_-7.5C-	409	160M
23	42.95	3108	2.41	68000	M142245_M_-7.5C-	463	160M
19	50.36	3644	2.20	68000	M142250_M_-7.5C-	463	160M
17	56.49	4088	2.04	68000	M142256_M_-7.5C-	463	160M
16	61.61	4413	2.95	68000	M143256_M_-7.5C-	503	160M
14	68.46	4903	2.65	68000	M143263_M_-7.5C-	503	160M
13	74.85	5361	2.42	68000	M143271_M_-7.5C-	503	160M
12	83.17	5957	2.18	68000	M143280_M_-7.5C-	503	160M
10	98.30	7041	1.85	68000	M1432100_M_-7.5C-	503	160M
8.2	118.61	8495	1.53	68000	M1432112_M_-7.5C-	503	160M
7.1	136.66	9788	1.33	68000	M1432125_M_-7.5C-	503	160M
6.1	158.58	11358	1.14	68000	M1432160_M_-7.5C-	503	160M
5.2	184.83	13238	0.98	68000	M1432180_M_-7.5C-	503	160M
4.9	198.58	14223	0.91	68000	M1432200_M_-7.5C-	503	160M
4.2	228.38	16020	0.81	68000	M1442225_M_-7.5C-	541	160M
13	74.49	5335	3.88	75000	M163271_M_-7.5C-	748	160M
12	82.13	5883	3.52	75000	M163280_M_-7.5C-	748	160M
10	98.51	7056	2.93	75000	M1632100_M_-7.5C-	748	160M
8.2	118.21	8467	2.44	75000	M1632112_M_-7.5C-	748	160M
7.6	128.08	9174	2.26	75000	M1632125_M_-7.5C-	748	160M
6.5	149.79	10729	1.93	75000	M1632160_M_-7.5C-	748	160M
5.5	175.64	12580	1.52	75000	M1632180_M_-7.5C-	748	160M
4.9	197.02	14112	1.03	75000	M1632200_M_-7.5C-	748	160M
4.2	228.84	16052	1.29	75000	M1642225_M_-7.5C-	913	160M
3.7	264.58	18560	1.12	75000	M1642250_M_-7.5C-	913	160M
3.4	285.80	20048	1.03	75000	M1642280_M_-7.5C-	913	160M
3.0	323.53	22695	0.91	75000	M1642300_M_-7.5C-	913	160M

NOTE

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SELECTION TABLES

11.0 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
397	3.68	259	1.18	3564	M07223.6_M_-11.A-	176	160M
287	5.09	359	1.18	3566	M07225.0_M_-11.A-	176	160M
255	5.72	403	1.18	3565	M07225.6_M_-11.A-	176	160M
232	6.29	444	1.18	3566	M07226.3_M_-11.A-	176	160M
178	8.22	580	1.13	3547	M07228.0_M_-11.A-	176	160M
156	9.34	659	1.05	3517	M07229.0_M_-11.A-	176	160M
397	3.68	259	1.87	6642	M08223.6_M_-11.A-	207	160M
280	5.21	367	1.87	6641	M08225.0_M_-11.A-	207	160M
252	5.79	408	1.87	6695	M08225.6_M_-11.A-	207	160M
227	6.44	454	1.87	6749	M08226.3_M_-11.A-	207	160M
175	8.33	587	1.87	6804	M08228.0_M_-11.A-	207	160M
156	9.35	659	1.85	6955	M08229.0_M_-11.A-	207	160M
127	11.47	809	1.63	6964	M082211_M_-11.A-	207	160M
113	12.92	911	1.48	7204	M082212_M_-11.A-	207	160M
97	15.04	1061	1.34	7126	M082214_M_-11.A-	207	160M
87	16.69	1177	1.22	7410	M082216_M_-11.A-	207	160M
80	18.26	1288	1.06	8048	M082218_M_-11.A-	207	160M
71	20.66	1457	1.01	8509	M082220_M_-11.A-	207	160M
63	23.32	1644	0.94	8935	M082222_M_-11.A-	207	160M
52	28.27	1993	0.80	9026	M082222_M_-11.A-	207	160M
229	6.38	450	3.91	13594	M09226.3_M_-11.A-	260	160M
178	8.22	580	3.31	13005	M09228.0_M_-11.A-	260	160M
159	9.19	648	3.09	12905	M09229.0_M_-11.A-	260	160M
127	11.47	809	2.66	12583	M092211_M_-11.A-	260	160M
115	12.74	898	2.48	12489	M092212_M_-11.A-	260	160M
100	14.53	1025	2.27	12369	M092214_M_-11.A-	260	160M
89	16.34	1152	2.13	11843	M092216_M_-11.A-	260	160M
79	18.50	1304	1.93	11934	M092218_M_-11.A-	260	160M
71	20.59	1452	1.79	11835	M092220_M_-11.A-	260	160M
64	22.87	1613	1.67	11954	M092222_M_-11.A-	260	160M
52	27.98	1973	1.45	12713	M092228_M_-11.A-	260	160M
45	32.31	2278	1.29	13884	M092232_M_-11.A-	260	160M
41	35.67	2515	1.18	14971	M092236_M_-11.A-	260	160M
34	43.35	3057	1.00	16802	M092245_M_-11.A-	260	160M
30	49.07	3460	0.83	20075	M092250_M_-11.A-	260	160M
91	15.98	1127	3.26	19927	M102216_M_-11.A-	289	160M
82	17.75	1252	3.27	16631	M102218_M_-11.A-	289	160M
75	19.41	1369	3.26	13551	M102220_M_-11.A-	289	160M
68	21.57	1521	3.06	12891	M102222_M_-11.A-	289	160M
57	25.49	1797	2.61	14561	M102228_M_-11.A-	289	160M
47	30.76	2169	2.31	15018	M102232_M_-11.A-	289	160M
41	35.44	2499	2.00	18132	M102236_M_-11.A-	289	160M
36	41.12	2899	1.72	21342	M102245_M_-11.A-	289	160M
30	47.93	3380	1.26	30000	M102250_M_-11.A-	289	160M
28	51.49	3631	1.07	30000	M102256_M_-11.A-	289	160M
25	57.63	4022	1.19	30000	M103256_M_-11.A-	312	160M
22	65.24	4553	1.05	30000	M103263_M_-11.A-	312	160M
20	72.62	5068	0.94	30000	M103271_M_-11.A-	312	160M
18	80.68	5631	0.85	30000	M103280_M_-11.A-	312	160M
44	33.25	2345	3.71	48000	M132232_M_-11.A-	371	160M
39	37.03	2611	3.37	48000	M132236_M_-11.A-	371	160M
34	43.25	3050	2.53	48000	M132245_M_-11.A-	371	160M
29	50.70	3575	1.65	48000	M132250_M_-11.A-	371	160M
27	53.94	3803	1.65	48000	M132256_M_-11.A-	371	160M
24	59.76	4171	2.21	48000	M133256_M_-11.A-	409	160M
22	66.40	4634	2.02	48000	M133263_M_-11.A-	409	160M
20	72.60	5067	1.87	48000	M133271_M_-11.A-	409	160M
18	80.68	5631	1.70	48000	M133280_M_-11.A-	409	160M
15	95.34	6654	1.46	48000	M1332100_M_-11.A-	409	160M
13	115.08	8032	1.21	48000	M1332112_M_-11.A-	409	160M
11	132.56	9252	1.05	48000	M1332125_M_-11.A-	409	160M
9.5	153.81	10735	0.90	48000	M1332160_M_-11.A-	409	160M
29	50.36	3551	2.26	68000	M142250_M_-11.A-	463	160M
26	56.49	3983	2.09	68000	M142256_M_-11.A-	463	160M
24	61.61	4300	3.02	68000	M143256_M_-11.A-	503	160M
21	68.46	4778	2.66	68000	M143263_M_-11.A-	503	160M
20	74.85	5224	2.49	68000	M143271_M_-11.A-	503	160M
18	83.17	5805	2.24	68000	M143280_M_-11.A-	503	160M
15	98.30	6861	1.89	68000	M1432100_M_-11.A-	503	160M
12	118.61	8278	1.57	68000	M1432112_M_-11.A-	503	160M
11	136.66	9538	1.36	68000	M1432125_M_-11.A-	503	160M
9.2	158.58	11068	1.17	68000	M1432160_M_-11.A-	503	160M
7.9	184.83	12900	1.01	68000	M1432180_M_-11.A-	503	160M
7.4	198.58	13860	0.94	68000	M1432200_M_-11.A-	503	160M

NOTE

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



SELECTION TABLES

11.0 kW
4 POLE

11.0 kW
6 POLE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
20	74.49	5199	3.98	75000	M163271_M_ _ _ 11.A--	748	160M
18	82.13	5732	3.61	75000	M163280_M_ _ _ 11.A--	748	160M
15	98.51	6875	3.01	75000	M1632100_M_ _ _ 11.A--	748	160M
12	118.21	8250	2.51	75000	M1632112_M_ _ _ 11.A--	748	160M
11	128.08	8939	2.32	75000	M1632125_M_ _ _ 11.A--	748	160M
10	149.79	10454	1.98	75000	M1632160_M_ _ _ 11.A--	748	160M
8.3	175.64	12259	1.56	75000	M1632180_M_ _ _ 11.A--	748	160M
7.4	197.02	13751	1.06	75000	M1632200_M_ _ _ 11.A--	748	160M
6.4	228.84	15642	1.32	75000	M1642225_M_ _ _ 11.A--	913	160M
5.5	264.58	18085	1.14	75000	M1642250_M_ _ _ 11.A--	913	160M
5.1	285.80	19536	1.06	75000	M1642280_M_ _ _ 11.A--	913	160M
4.5	323.53	22115	0.94	75000	M1642300_M_ _ _ 11.A--	913	160M
4.1	360.14	24617	0.84	75000	M1642360_M_ _ _ 11.A--	913	160M
5.5	264.58	18085	1.14	75000	M1642250_M_ _ _ 11.A--	913	160M
5.1	285.80	19536	1.06	75000	M1642280_M_ _ _ 11.A--	913	160M
4.5	323.53	22115	0.94	75000	M1642300_M_ _ _ 11.A--	913	160M
4.1	360.14	24617	0.84	75000	M1642360_M_ _ _ 11.A--	913	160M
264	3.68	391	1.25	6405	M08223.6_M_ _ _ 11.C--	214	160L
186	5.21	553	1.25	6405	M08225.0_M_ _ _ 11.C--	214	160L
168	5.79	615	1.25	6405	M08225.6_M_ _ _ 11.C--	214	160L
151	6.44	683	1.25	6457	M08226.3_M_ _ _ 11.C--	214	160L
116	8.33	884	1.25	6508	M08228.0_M_ _ _ 11.C--	214	160L
104	9.35	992	1.25	6661	M08229.0_M_ _ _ 11.C--	214	160L
85	11.47	1217	1.23	6753	M082211_M_ _ _ 11.C--	214	160L
75	12.92	1371	1.12	6989	M082212_M_ _ _ 11.C--	214	160L
64	15.04	1596	1.01	6911	M082214_M_ _ _ 11.C--	214	160L
58	16.69	1771	0.81	7084	M082216_M_ _ _ 11.C--	214	160L
191	5.07	538	3.40	13615	M09225.0_M_ _ _ 11.C--	267	160L
170	5.69	604	3.16	13507	M09225.6_M_ _ _ 11.C--	267	160L
152	6.38	677	2.94	13286	M09226.3_M_ _ _ 11.C--	267	160L
118	8.22	872	2.49	12934	M09228.0_M_ _ _ 11.C--	267	160L
106	9.19	975	2.32	12723	M09229.0_M_ _ _ 11.C--	267	160L
85	11.47	1217	2.00	12414	M092211_M_ _ _ 11.C--	267	160L
76	12.74	1352	1.86	12208	M092212_M_ _ _ 11.C--	267	160L
67	14.53	1542	1.71	12089	M092214_M_ _ _ 11.C--	267	160L
59	16.34	1734	1.60	12108	M092216_M_ _ _ 11.C--	267	160L
52	18.50	1963	1.45	12919	M092218_M_ _ _ 11.C--	267	160L
47	20.59	2185	1.35	13333	M092220_M_ _ _ 11.C--	267	160L
42	22.87	2427	1.26	13741	M092222_M_ _ _ 11.C--	267	160L
35	27.98	2970	1.05	14976	M092228_M_ _ _ 11.C--	267	160L
30	32.31	3429	0.91	16818	M092232_M_ _ _ 11.C--	267	160L
27	35.67	3786	0.82	18300	M092236_M_ _ _ 11.C--	267	160L
88	11.02	1170	3.61	14510	M102211_M_ _ _ 11.C--	296	160L
78	12.51	1328	3.31	14033	M102212_M_ _ _ 11.C--	296	160L
69	14.16	1503	3.05	13455	M102214_M_ _ _ 11.C--	296	160L
61	15.98	1696	2.16	24276	M102216_M_ _ _ 11.C--	296	160L
55	17.75	1884	2.17	21889	M102218_M_ _ _ 11.C--	296	160L
50	19.41	2060	2.17	19819	M102220_M_ _ _ 11.C--	296	160L
45	21.57	2289	2.05	19694	M102222_M_ _ _ 11.C--	296	160L
38	25.49	2705	1.74	23166	M102228_M_ _ _ 11.C--	296	160L
32	30.76	3265	1.53	24104	M102232_M_ _ _ 11.C--	296	160L
27	35.44	3761	1.33	27343	M102236_M_ _ _ 11.C--	296	160L
24	41.12	4364	1.15	30000	M102245_M_ _ _ 11.C--	296	160L
20	47.93	5087	0.84	30000	M102250_M_ _ _ 11.C--	296	160L
47	20.86	2214	3.91	48000	M132220_M_ _ _ 11.C--	378	160L
41	23.51	2495	3.51	48000	M132222_M_ _ _ 11.C--	378	160L
36	27.08	2874	3.09	48000	M132228_M_ _ _ 11.C--	378	160L
29	33.25	3529	2.57	47045	M132232_M_ _ _ 11.C--	378	160L
26	37.03	3930	2.34	46333	M132236_M_ _ _ 11.C--	378	160L
22	43.25	4590	1.68	48000	M132245_M_ _ _ 11.C--	378	160L
19	50.70	5381	1.10	48000	M132250_M_ _ _ 11.C--	378	160L
18	53.94	5725	1.10	48000	M132256_M_ _ _ 11.C--	378	160L
16	59.76	6278	1.54	48000	M133256_M_ _ _ 11.C--	416	160L
15	66.40	6975	1.39	48000	M133263_M_ _ _ 11.C--	416	160L
13	72.60	7627	1.27	48000	M133271_M_ _ _ 11.C--	416	160L
12	80.68	8475	1.14	48000	M133280_M_ _ _ 11.C--	416	160L
10	95.34	10015	0.97	48000	M1332100_M_ _ _ 11.C--	416	160L



SELECTION TABLES

11.0 kW
6 POLE

15.0 kW
4 POLE

NOTE
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N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
29	33.89	3597	3.61	68000	M142232_M_ _ 11.C--	470	160L
26	36.72	3897	3.34	68000	M142236_M_ _ 11.C--	470	160L
23	42.95	4558	1.64	68000	M142245_M_ _ 11.C--	470	160L
19	50.36	5345	1.50	68000	M142250_M_ _ 11.C--	470	160L
17	56.49	5995	1.39	68000	M142256_M_ _ 11.C--	470	160L
16	61.61	6472	2.01	68000	M143256_M_ _ 11.C--	510	160L
14	68.46	7192	1.81	68000	M143263_M_ _ 11.C--	510	160L
13	74.85	7863	1.65	68000	M143271_M_ _ 11.C--	510	160L
12	83.17	8737	1.49	68000	M143280_M_ _ 11.C--	510	160L
10	98.30	10326	1.26	68000	M1432100_M_ _ 11.C--	510	160L
8.2	118.61	12460	1.04	68000	M1432112_M_ _ 11.C--	510	160L
7.1	136.66	14356	0.91	68000	M1432125_M_ _ 11.C--	510	160L
16	59.38	6238	3.32	75000	M163256_M_ _ 11.C--	755	160L
15	63.82	6704	3.09	75000	M163263_M_ _ 11.C--	755	160L
13	74.49	7825	2.65	75000	M163271_M_ _ 11.C--	755	160L
12	82.13	8628	2.40	75000	M163280_M_ _ 11.C--	755	160L
10	98.51	10348	2.00	75000	M1632100_M_ _ 11.C--	755	160L
8.2	118.21	12418	1.67	75000	M1632112_M_ _ 11.C--	755	160L
7.6	128.08	13455	1.54	75000	M1632125_M_ _ 11.C--	755	160L
6.5	149.79	15735	1.32	75000	M1632160_M_ _ 11.C--	755	160L
5.5	175.64	18451	1.04	75000	M1632180_M_ _ 11.C--	755	160L
397	3.68	354	0.86	3445	M07223.6_M_ _ 15.A--	183	160L
287	5.09	489	0.87	3446	M07225.0_M_ _ 15.A--	183	160L
255	5.72	550	0.87	3446	M07225.6_M_ _ 15.A--	183	160L
232	6.29	605	0.87	3446	M07226.3_M_ _ 15.A--	183	160L
397	3.68	354	1.37	6418	M08223.6_M_ _ 15.A--	214	160L
280	5.21	501	1.37	6418	M08225.0_M_ _ 15.A--	214	160L
252	5.79	557	1.37	6470	M08225.6_M_ _ 15.A--	214	160L
227	6.44	619	1.37	6523	M08226.3_M_ _ 15.A--	214	160L
175	8.33	801	1.37	6576	M08228.0_M_ _ 15.A--	214	160L
156	9.35	899	1.36	6722	M08229.0_M_ _ 15.A--	214	160L
127	11.47	1103	1.20	6734	M082211_M_ _ 15.A--	214	160L
113	12.92	1242	1.09	6966	M082212_M_ _ 15.A--	214	160L
97	15.04	1446	0.98	6885	M082214_M_ _ 15.A--	214	160L
87	16.69	1605	0.90	7166	M082216_M_ _ 15.A--	214	160L
288	5.07	488	3.30	13799	M09225.0_M_ _ 15.A--	267	160L
257	5.69	547	3.07	13463	M09225.6_M_ _ 15.A--	267	160L
229	6.38	613	2.87	13138	M09226.3_M_ _ 15.A--	267	160L
178	8.22	790	2.43	12569	M09228.0_M_ _ 15.A--	267	160L
159	9.19	884	2.26	12472	M09229.0_M_ _ 15.A--	267	160L
127	11.47	1103	1.95	12161	M092211_M_ _ 15.A--	267	160L
115	12.74	1225	1.82	12070	M092212_M_ _ 15.A--	267	160L
100	14.53	1397	1.67	11954	M092214_M_ _ 15.A--	267	160L
89	16.34	1571	1.56	11446	M092216_M_ _ 15.A--	267	160L
79	18.50	1779	1.42	11534	M092218_M_ _ 15.A--	267	160L
71	20.59	1980	1.31	11438	M092220_M_ _ 15.A--	267	160L
64	22.87	2199	1.22	11553	M092222_M_ _ 15.A--	267	160L
52	27.98	2690	1.07	12287	M092228_M_ _ 15.A--	267	160L
45	32.31	3107	0.95	13418	M092232_M_ _ 15.A--	267	160L
41	35.67	3430	0.87	14469	M092236_M_ _ 15.A--	267	160L
132	11.02	1060	3.52	14815	M102211_M_ _ 15.A--	296	160L
117	12.51	1203	3.23	14450	M102212_M_ _ 15.A--	296	160L
103	14.16	1362	2.97	13980	M102214_M_ _ 15.A--	296	160L
91	15.98	1537	2.39	19259	M102216_M_ _ 15.A--	296	160L
82	17.75	1707	2.40	16073	M102218_M_ _ 15.A--	296	160L
75	19.41	1866	2.39	13097	M102220_M_ _ 15.A--	296	160L
68	21.57	2074	2.24	12459	M102222_M_ _ 15.A--	296	160L
57	25.49	2451	1.92	14073	M102228_M_ _ 15.A--	296	160L
47	30.76	2958	1.69	14515	M102232_M_ _ 15.A--	296	160L
41	35.44	3408	1.47	17524	M102236_M_ _ 15.A--	296	160L
36	41.12	3954	1.26	20626	M102245_M_ _ 15.A--	296	160L
30	47.93	4609	0.92	29742	M102250_M_ _ 15.A--	296	160L
25	57.63	5485	0.87	30000	M103256_M_ _ 15.A--	319	160L
44	33.25	3197	2.72	48000	M132232_M_ _ 15.A--	378	160L
39	37.03	3561	2.47	47500	M132236_M_ _ 15.A--	378	160L
34	43.25	4159	1.86	48000	M132245_M_ _ 15.A--	378	160L
29	50.70	4875	1.21	48000	M132250_M_ _ 15.A--	378	160L
27	53.94	5187	1.21	48000	M132256_M_ _ 15.A--	378	160L



SELECTION TABLES

15.0 kW
4 POLE

15.0 kW
6 POLE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
24	59.76	5688	1.62	48000	M133256_M_-15.A--	416	160L
22	66.40	6319	1.48	48000	M133263_M_-15.A--	416	160L
20	72.60	6910	1.37	48000	M133271_M_-15.A--	416	160L
18	80.68	7679	1.25	48000	M133280_M_-15.A--	416	160L
15	95.34	9074	1.07	48000	M1332100_M_-15.A--	416	160L
13	115.08	10953	0.89	48000	M1332112_M_-15.A--	416	160L
40	36.72	3531	3.68	68000	M142236_M_-15.A--	470	160L
34	42.95	4130	1.81	68000	M142245_M_-15.A--	470	160L
29	50.36	4842	1.66	68000	M142250_M_-15.A--	470	160L
26	56.49	5432	1.53	68000	M142256_M_-15.A--	470	160L
24	61.61	5864	2.22	68000	M143256_M_-15.A--	510	160L
21	68.46	6516	1.95	68000	M143263_M_-15.A--	510	160L
20	74.85	7124	1.82	68000	M143271_M_-15.A--	510	160L
18	83.17	7916	1.64	68000	M143280_M_-15.A--	510	160L
15	98.30	9356	1.39	68000	M1432100_M_-15.A--	510	160L
12	118.61	11288	1.15	68000	M1432112_M_-15.A--	510	160L
11	136.66	13006	1.00	68000	M1432125_M_-15.A--	510	160L
9.2	158.58	15093	0.86	68000	M1432160_M_-15.A--	510	160L
25	59.38	5651	3.66	75000	M163256_M_-15.A--	755	160L
23	63.82	6074	3.41	75000	M163263_M_-15.A--	755	160L
20	74.49	7089	2.92	75000	M163271_M_-15.A--	755	160L
18	82.13	7817	2.65	75000	M163280_M_-15.A--	755	160L
15	98.51	9375	2.21	75000	M1632100_M_-15.A--	755	160L
12	118.21	11250	1.84	75000	M1632112_M_-15.A--	755	160L
11	128.08	12190	1.70	75000	M1632125_M_-15.A--	755	160L
10	149.79	14256	1.45	75000	M1632160_M_-15.A--	755	160L
8.3	175.64	16716	1.14	75000	M1632180_M_-15.A--	755	160L
6.4	228.84	21330	0.97	75000	M1642225_M_-15.A--	920	160L
5.5	264.58	24662	0.84	75000	M1642250_M_-15.A--	920	160L
264	3.68	533	3.02	14117	M09223.6_M_-15.C--	324	180L
191	5.07	734	2.49	13158	M09225.0_M_-15.C--	324	180L
170	5.69	823	2.32	13054	M09225.6_M_-15.C--	324	180L
152	6.38	923	2.16	12840	M09226.3_M_-15.C--	324	180L
118	8.22	1190	1.82	12500	M09228.0_M_-15.C--	324	180L
106	9.19	1330	1.70	12297	M09229.0_M_-15.C--	324	180L
85	11.47	1660	1.47	11998	M092211_M_-15.C--	324	180L
76	12.74	1844	1.37	11799	M092212_M_-15.C--	324	180L
67	14.53	2103	1.25	11684	M092214_M_-15.C--	324	180L
59	16.34	2365	1.17	11702	M092216_M_-15.C--	324	180L
52	18.50	2677	1.06	12485	M092218_M_-15.C--	324	180L
47	20.59	2980	0.99	12886	M092220_M_-15.C--	324	180L
42	22.87	3310	0.92	13280	M092222_M_-15.C--	324	180L
274	3.54	512	3.45	26934	M10223.6_M_-15.C--	353	180L
196	4.94	715	3.45	24756	M10225.0_M_-15.C--	353	180L
181	5.37	777	3.46	23042	M10225.6_M_-15.C--	353	180L
159	6.10	883	3.45	20286	M10226.3_M_-15.C--	353	180L
122	7.95	1151	3.27	15264	M10228.0_M_-15.C--	353	180L
113	8.58	1242	3.12	14958	M10229.0_M_-15.C--	353	180L
88	11.02	1595	2.65	14023	M102211_M_-15.C--	353	180L
78	12.51	1811	2.43	13562	M102212_M_-15.C--	353	180L
69	14.16	2049	2.24	13004	M102214_M_-15.C--	353	180L
61	15.98	2313	1.59	23462	M102216_M_-15.C--	353	180L
55	17.75	2569	1.59	21155	M102218_M_-15.C--	353	180L
50	19.41	2809	1.59	19154	M102220_M_-15.C--	353	180L
45	21.57	3122	1.50	19033	M102222_M_-15.C--	353	180L
38	25.49	3689	1.27	22389	M102228_M_-15.C--	353	180L
32	30.76	4452	1.12	23296	M102232_M_-15.C--	353	180L
27	35.44	5129	0.97	26426	M102236_M_-15.C--	353	180L
24	41.12	5951	0.84	29431	M102245_M_-15.C--	353	180L
66	14.63	2117	3.88	48000	M132214_M_-15.C--	434	180L
60	16.12	2333	3.61	48000	M132216_M_-15.C--	434	180L
54	18.02	2608	3.22	48000	M132218_M_-15.C--	434	180L
47	20.86	3019	2.87	48000	M132220_M_-15.C--	434	180L
41	23.51	3403	2.57	47930	M132222_M_-15.C--	434	180L
36	27.08	3919	2.27	46945	M132228_M_-15.C--	434	180L
29	33.25	4812	1.89	45467	M132232_M_-15.C--	434	180L
26	37.03	5359	1.71	44779	M132236_M_-15.C--	434	180L
22	43.25	6259	1.23	46460	M132245_M_-15.C--	434	180L
19	50.70	7338	0.81	46871	M132250_M_-15.C--	434	180L
18	53.94	7807	0.81	46873	M132256_M_-15.C--	434	180L



SELECTION TABLES

15.0 kW

6 POLE

18.5 kW

4 POLE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
16	59.76	8561	1.13	48000	M133256_M_15.C-	473	180L
15	66.40	9512	1.02	48000	M133263_M_15.C-	473	180L
13	72.60	10400	0.93	48000	M133271_M_15.C-	473	180L
12	80.68	11557	0.84	48000	M133280_M_15.C-	473	180L
41	23.55	3408	3.81	68000	M142222_M_15.C-	528	180L
34	28.24	4087	3.18	68000	M142228_M_15.C-	528	180L
29	33.89	4905	2.65	68000	M142232_M_15.C-	528	180L
26	36.72	5314	2.45	68000	M142236_M_15.C-	528	180L
23	42.95	6216	1.20	68000	M142245_M_15.C-	528	180L
19	50.36	7288	1.10	68000	M142250_M_15.C-	528	180L
17	56.49	8176	1.02	68000	M142256_M_15.C-	528	180L
16	61.61	8826	1.47	68000	M143256_M_15.C-	567	180L
14	68.46	9807	1.33	68000	M143263_M_15.C-	567	180L
13	74.85	10722	1.21	68000	M143271_M_15.C-	567	180L
12	83.17	11914	1.09	68000	M143280_M_15.C-	567	180L
10	98.30	14081	0.92	68000	M1432100_M_15.C-	567	180L
26	37.54	5433	3.06	75000	M162236_M_15.C-	815	180L
22	45.05	6520	1.70	75000	M162245_M_15.C-	815	180L
16	59.38	8506	2.43	75000	M163256_M_15.C-	813	180L
15	63.82	9142	2.26	75000	M163263_M_15.C-	813	180L
13	74.49	10671	1.94	75000	M163271_M_15.C-	813	180L
12	82.13	11765	1.76	75000	M163280_M_15.C-	813	180L
10	98.51	14112	1.47	75000	M1632100_M_15.C-	813	180L
8.2	118.21	16934	1.22	75000	M1632112_M_15.C-	813	180L
7.6	128.08	18347	1.13	75000	M1632125_M_15.C-	813	180L
6.5	149.79	21457	0.96	75000	M1632160_M_15.C-	813	180L
399	3.68	433	3.28	15041	M09223.6_M_18.A-	314	180M
290	5.07	597	2.70	13495	M09225.0_M_18.A-	314	180M
258	5.69	670	2.51	13166	M09225.6_M_18.A-	314	180M
230	6.38	751	2.34	12848	M09226.3_M_18.A-	314	180M
179	8.22	968	1.98	12292	M09228.0_M_18.A-	314	180M
160	9.19	1082	1.85	12196	M09229.0_M_18.A-	314	180M
128	11.47	1351	1.59	11893	M092211_M_18.A-	314	180M
115	12.74	1501	1.49	11803	M092212_M_18.A-	314	180M
101	14.53	1711	1.36	11690	M092214_M_18.A-	314	180M
90	16.34	1925	1.27	11193	M092216_M_18.A-	314	180M
79	18.50	2179	1.16	11279	M092218_M_18.A-	314	180M
71	20.59	2425	1.07	11185	M092220_M_18.A-	314	180M
64	22.87	2694	1.00	11298	M092222_M_18.A-	314	180M
53	27.98	3296	0.87	12016	M092228_M_18.A-	314	180M
185	7.95	936	3.56	16442	M10228.0_M_18.A-	343	180M
171	8.58	1011	3.38	15323	M10229.0_M_18.A-	343	180M
133	11.02	1298	2.87	14488	M102211_M_18.A-	343	180M
118	12.51	1473	2.64	14131	M102212_M_18.A-	343	180M
104	14.16	1668	2.43	13671	M102214_M_18.A-	343	180M
92	15.98	1882	1.95	18834	M102216_M_18.A-	343	180M
83	17.75	2091	1.96	15719	M102218_M_18.A-	343	180M
76	19.41	2286	1.95	12808	M102220_M_18.A-	343	180M
68	21.57	2541	1.83	12184	M102222_M_18.A-	343	180M
58	25.49	3002	1.57	13762	M102228_M_18.A-	343	180M
48	30.76	3623	1.38	14194	M102232_M_18.A-	343	180M
41	35.44	4174	1.20	17137	M102236_M_18.A-	343	180M
36	41.12	4843	1.03	20171	M102245_M_18.A-	343	180M
44	33.25	3916	2.22	47274	M132232_M_18.A-	424	180M
40	37.03	4362	2.02	46452	M132236_M_18.A-	424	180M
34	43.25	5094	1.52	47524	M132245_M_18.A-	424	180M
29	50.70	5972	0.99	48000	M132250_M_18.A-	424	180M
27	53.94	6353	0.99	48000	M132256_M_18.A-	424	180M
25	59.76	6967	1.32	48000	M133256_M_18.A-	463	180M
22	66.40	7741	1.21	48000	M133263_M_18.A-	463	180M
20	72.60	8464	1.12	48000	M133271_M_18.A-	463	180M
18	80.68	9406	1.02	48000	M133280_M_18.A-	463	180M
15	95.34	11115	0.87	48000	M1332100_M_18.A-	463	180M
52	28.24	3326	3.91	68000	M142228_M_18.A-	518	180M
43	33.89	3992	3.26	68000	M142232_M_18.A-	518	180M
40	36.72	4325	3.01	68000	M142236_M_18.A-	518	180M
34	42.95	5059	1.48	68000	M142245_M_18.A-	518	180M
29	50.36	5932	1.35	68000	M142250_M_18.A-	518	180M
26	56.49	6654	1.25	68000	M142256_M_18.A-	518	180M
24	61.61	7183	1.81	68000	M143256_M_18.A-	557	180M
21	68.46	7981	1.59	68000	M143263_M_18.A-	557	180M
20	74.85	8726	1.49	68000	M143271_M_18.A-	557	180M
18	83.17	9696	1.34	68000	M143280_M_18.A-	557	180M
15	98.30	11460	1.13	68000	M1432100_M_18.A-	557	180M
12	118.61	13828	0.94	68000	M1432112_M_18.A-	557	180M



SELECTION TABLES

18.5 kW
4 POLE

18.5 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
39	37.54	4422	3.75	75000	M162236_M_-18.A-	805	180M
33	45.05	5306	2.09	75000	M162245_M_-18.A-	805	180M
25	59.38	6923	2.99	75000	M163256_M_-18.A-	803	180M
23	63.82	7440	2.78	75000	M163263_M_-18.A-	803	180M
20	74.49	8684	2.38	75000	M163271_M_-18.A-	803	180M
18	82.13	9575	2.16	75000	M163280_M_-18.A-	803	180M
15	98.51	11484	1.80	75000	M1632100_M_-18.A-	803	180M
12	118.21	13781	1.50	75000	M1632112_M_-18.A-	803	180M
11	128.08	14932	1.39	75000	M1632125_M_-18.A-	803	180M
10	149.79	17463	1.19	75000	M1632160_M_-18.A-	803	180M
8.4	175.64	20476	0.93	75000	M1632180_M_-18.A-	803	180M
266	3.68	650	2.48	13811	M09223.6_M_-18.C-	375	200L
193	5.07	896	2.04	12873	M09225.0_M_-18.C-	375	200L
172	5.69	1005	1.90	12771	M09225.6_M_-18.C-	375	200L
154	6.38	1127	1.77	12561	M09226.3_M_-18.C-	375	200L
119	8.22	1452	1.49	12228	M09228.0_M_-18.C-	375	200L
107	9.19	1624	1.39	12030	M09229.0_M_-18.C-	375	200L
85	11.47	2026	1.20	11737	M092211_M_-18.C-	375	200L
77	12.74	2251	1.12	11543	M092212_M_-18.C-	375	200L
67	14.53	2567	1.02	11430	M092214_M_-18.C-	375	200L
60	16.34	2887	0.96	11448	M092216_M_-18.C-	375	200L
53	18.50	3268	0.87	12215	M092218_M_-18.C-	375	200L
277	3.54	625	2.83	26349	M10223.6_M_-18.C-	404	200L
198	4.94	873	2.83	24219	M10225.0_M_-18.C-	404	200L
182	5.37	949	2.84	22541	M10225.6_M_-18.C-	404	200L
161	6.10	1078	2.83	19846	M10226.3_M_-18.C-	404	200L
123	7.95	1405	2.68	14933	M10228.0_M_-18.C-	404	200L
114	8.58	1516	2.55	14634	M10229.0_M_-18.C-	404	200L
89	11.02	1947	2.17	13719	M102211_M_-18.C-	404	200L
78	12.51	2210	1.99	13268	M102212_M_-18.C-	404	200L
69	14.16	2502	1.83	12722	M102214_M_-18.C-	404	200L
61	15.98	2823	1.30	22953	M102216_M_-18.C-	404	200L
55	17.75	3136	1.30	20696	M102218_M_-18.C-	404	200L
50	19.41	3429	1.30	18738	M102220_M_-18.C-	404	200L
45	21.57	3811	1.23	18620	M102222_M_-18.C-	404	200L
38	25.49	4503	1.04	21903	M102228_M_-18.C-	404	200L
32	30.76	5435	0.92	22790	M102232_M_-18.C-	404	200L
259	3.79	670	3.52	48000	M13223.6_M_-18.C-	486	200L
186	5.26	929	3.52	48000	M13225.0_M_-18.C-	486	200L
170	5.77	1019	3.52	48000	M13225.6_M_-18.C-	486	200L
154	6.35	1122	3.52	48000	M13226.3_M_-18.C-	486	200L
121	8.11	1433	3.52	48000	M13228.0_M_-18.C-	486	200L
109	8.99	1588	3.52	48000	M13229.0_M_-18.C-	486	200L
83	11.81	2087	3.52	48000	M132211_M_-18.C-	486	200L
76	12.92	2283	3.52	48000	M132212_M_-18.C-	486	200L
67	14.63	2585	3.18	48000	M132214_M_-18.C-	486	200L
61	16.12	2848	2.96	48000	M132216_M_-18.C-	486	200L
54	18.02	3184	2.64	48000	M132218_M_-18.C-	486	200L
47	20.86	3685	2.35	47670	M132220_M_-18.C-	486	200L
42	23.51	4154	2.11	46890	M132222_M_-18.C-	486	200L
36	27.08	4784	1.86	45926	M132228_M_-18.C-	486	200L
29	33.25	5874	1.55	44480	M132232_M_-18.C-	486	200L
26	37.03	6542	1.40	43807	M132236_M_-18.C-	486	200L
23	43.25	7641	1.01	45451	M132245_M_-18.C-	486	200L
16	59.76	10450	0.92	48000	M133256_M_-18.C-	524	200L
15	66.40	11612	0.84	48000	M133263_M_-18.C-	524	200L
46	21.36	3774	3.44	68000	M142220_M_-18.C-	581	200L
42	23.55	4161	3.12	68000	M142222_M_-18.C-	581	200L
35	28.24	4989	2.61	68000	M142228_M_-18.C-	581	200L
29	33.89	5988	2.17	68000	M142232_M_-18.C-	581	200L
27	36.72	6488	2.00	68000	M142236_M_-18.C-	581	200L
23	42.95	7588	0.99	68000	M142245_M_-18.C-	581	200L
19	50.36	8897	0.90	68000	M142250_M_-18.C-	581	200L
17	56.49	9980	0.83	68000	M142256_M_-18.C-	581	200L
16	61.61	10774	1.21	68000	M143256_M_-18.C-	618	200L
14	68.46	11972	1.09	68000	M143263_M_-18.C-	618	200L
13	74.85	13089	0.99	68000	M143271_M_-18.C-	618	200L
12	83.17	14544	0.89	68000	M143280_M_-18.C-	618	200L
31	31.41	5549	3.53	75000	M162232_M_-18.C-	862	200L
26	37.54	6632	2.50	75000	M162236_M_-18.C-	862	200L
22	45.05	7959	1.39	75000	M162245_M_-18.C-	862	200L
17	59.38	10384	1.99	75000	M163256_M_-18.C-	866	200L
15	63.82	11160	1.85	75000	M163263_M_-18.C-	866	200L
13	74.49	13026	1.59	75000	M163271_M_-18.C-	866	200L
12	82.13	14362	1.44	75000	M163280_M_-18.C-	866	200L
10	98.51	17227	1.20	75000	M1632100_M_-18.C-	866	200L
8.3	118.21	20672	1.00	75000	M1632112_M_-18.C-	866	200L
7.7	128.08	22398	0.92	75000	M1632125_M_-18.C-	866	200L

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



SELECTION TABLES

22.0 kW

4 POLE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
399	3.68	515	2.75	14757	M09223.6_M_-22.A--	324	180L
290	5.07	710	2.27	13240	M09225.0_M_-22.A--	324	180L
258	5.69	797	2.11	12917	M09225.6_M_-22.A--	324	180L
230	6.38	894	1.97	12606	M09226.3_M_-22.A--	324	180L
179	8.22	1151	1.67	12060	M09228.0_M_-22.A--	324	180L
160	9.19	1287	1.55	11966	M09229.0_M_-22.A--	324	180L
128	11.47	1607	1.34	11668	M092211_M_-22.A--	324	180L
115	12.74	1784	1.25	11580	M092212_M_-22.A--	324	180L
101	14.53	2035	1.14	11469	M092214_M_-22.A--	324	180L
90	16.34	2289	1.07	10982	M092216_M_-22.A--	324	180L
79	18.50	2591	0.97	11066	M092218_M_-22.A--	324	180L
71	20.59	2884	0.90	10974	M092220_M_-22.A--	324	180L
64	22.87	3203	0.84	11085	M092222_M_-22.A--	324	180L
415	3.54	496	3.55	23795	M10223.6_M_-22.A--	353	180L
298	4.94	692	3.57	25190	M10225.0_M_-22.A--	353	180L
274	5.37	752	3.58	23930	M10225.6_M_-22.A--	353	180L
241	6.10	854	3.53	21831	M10226.3_M_-22.A--	353	180L
185	7.95	1114	2.99	16131	M10228.0_M_-22.A--	353	180L
171	8.58	1202	2.85	15034	M10229.0_M_-22.A--	353	180L
133	11.02	1544	2.42	14215	M102211_M_-22.A--	353	180L
118	12.51	1752	2.22	13864	M102212_M_-22.A--	353	180L
104	14.16	1983	2.04	13413	M102214_M_-22.A--	353	180L
92	15.98	2238	1.64	18478	M102216_M_-22.A--	353	180L
83	17.75	2486	1.65	15422	M102218_M_-22.A--	353	180L
76	19.41	2719	1.64	12566	M102220_M_-22.A--	353	180L
68	21.57	3021	1.54	11954	M102222_M_-22.A--	353	180L
58	25.49	3570	1.32	13502	M102228_M_-22.A--	353	180L
48	30.76	4308	1.16	13926	M102232_M_-22.A--	353	180L
41	35.44	4964	1.01	16813	M102236_M_-22.A--	353	180L
36	41.12	5760	0.87	19790	M102245_M_-22.A--	353	180L
70	20.86	2922	2.84	48000	M132220_M_-22.A--	434	180L
63	23.51	3293	2.55	48000	M132222_M_-22.A--	434	180L
54	27.08	3793	2.24	47762	M132228_M_-22.A--	434	180L
44	33.25	4657	1.87	46381	M132232_M_-22.A--	434	180L
40	37.03	5187	1.70	45575	M132236_M_-22.A--	434	180L
34	43.25	6058	1.27	46627	M132245_M_-22.A--	434	180L
29	50.70	7101	0.83	48000	M132250_M_-22.A--	434	180L
27	53.94	7555	0.83	48000	M132256_M_-22.A--	434	180L
25	59.76	8285	1.11	48000	M133256_M_-22.A--	473	180L
22	66.40	9206	1.02	48000	M133263_M_-22.A--	473	180L
20	72.60	10065	0.94	48000	M133271_M_-22.A--	473	180L
18	80.68	11185	0.86	48000	M133280_M_-22.A--	473	180L
62	23.55	3299	3.94	68000	M142222_M_-22.A--	528	180L
52	28.24	3955	3.29	68000	M142228_M_-22.A--	528	180L
43	33.89	4747	2.74	68000	M142232_M_-22.A--	528	180L
40	36.72	5143	2.53	68000	M142236_M_-22.A--	528	180L
34	42.95	6016	1.25	68000	M142245_M_-22.A--	528	180L
29	50.36	7054	1.14	68000	M142250_M_-22.A--	528	180L
26	56.49	7912	1.05	68000	M142256_M_-22.A--	528	180L
24	61.61	8541	1.52	68000	M143256_M_-22.A--	567	180L
21	68.46	9491	1.34	68000	M143263_M_-22.A--	567	180L
20	74.85	10377	1.25	68000	M143271_M_-22.A--	567	180L
18	83.17	11530	1.13	68000	M143280_M_-22.A--	567	180L
15	98.30	13628	0.95	68000	M1432100_M_-22.A--	567	180L
39	37.54	5258	3.16	75000	M162236_M_-22.A--	815	180L
33	45.05	6310	1.76	75000	M162245_M_-22.A--	815	180L
25	59.38	8232	2.51	75000	M163256_M_-22.A--	813	180L
23	63.82	8848	2.34	75000	M163263_M_-22.A--	813	180L
20	74.49	10327	2.00	75000	M163271_M_-22.A--	813	180L
18	82.13	11386	1.82	75000	M163280_M_-22.A--	813	180L
15	98.51	13657	1.52	75000	M1632100_M_-22.A--	813	180L
12	118.21	16388	1.26	75000	M1632112_M_-22.A--	813	180L
11	128.08	17757	1.17	75000	M1632125_M_-22.A--	813	180L
10	149.79	20766	1.00	75000	M1632160_M_-22.A--	813	180L



SELECTION TABLES

22.0 kW
6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
266	3.68	773	3.69	14313	M09223.6_M_-22.C--	375	200L
193	5.07	1065	2.77	14430	M09225.0_M_-22.C--	375	200L
172	5.69	1195	2.55	14854	M09225.6_M_-22.C--	375	200L
154	6.38	1340	2.32	16345	M09226.3_M_-22.C--	375	200L
119	8.22	1727	1.80	18136	M09228.0_M_-22.C--	375	200L
107	9.19	1931	1.61	19707	M09229.0_M_-22.C--	375	200L
85	11.47	2410	1.29	17381	M092211_M_-22.C--	375	200L
77	12.74	2677	1.07	20500	M092212_M_-22.C--	375	200L
67	14.53	3053	0.87	20183	M092214_M_-22.C--	375	200L
277	3.54	744	2.38	25852	M10223.6_M_-22.C--	404	200L
198	4.94	1038	2.38	23761	M10225.0_M_-22.C--	404	200L
182	5.37	1128	2.38	22116	M10225.6_M_-22.C--	404	200L
161	6.10	1282	2.38	19471	M10226.3_M_-22.C--	404	200L
123	7.95	1670	2.25	14651	M10228.0_M_-22.C--	404	200L
114	8.58	1803	2.15	14357	M10229.0_M_-22.C--	404	200L
89	11.02	2315	1.82	13460	M102211_M_-22.C--	404	200L
78	12.51	2628	1.67	13017	M102212_M_-22.C--	404	200L
69	14.16	2975	1.54	12481	M102214_M_-22.C--	404	200L
61	15.98	3357	1.09	22519	M102216_M_-22.C--	404	200L
55	17.75	3729	1.10	20305	M102218_M_-22.C--	404	200L
50	19.41	4078	1.10	18385	M102220_M_-22.C--	404	200L
45	21.57	4532	1.03	18269	M102222_M_-22.C--	404	200L
38	25.49	5355	0.88	21489	M102228_M_-22.C--	404	200L
259	3.79	796	2.96	48000	M13223.6_M_-22.C--	486	200L
186	5.26	1105	2.96	48000	M13225.0_M_-22.C--	486	200L
170	5.77	1212	2.96	48000	M13225.6_M_-22.C--	486	200L
154	6.35	1334	2.96	48000	M13226.3_M_-22.C--	486	200L
121	8.11	1704	2.96	48000	M13228.0_M_-22.C--	486	200L
109	8.99	1889	2.96	48000	M13229.0_M_-22.C--	486	200L
83	11.81	2481	2.96	48000	M132211_M_-22.C--	486	200L
76	12.92	2714	2.96	48000	M132212_M_-22.C--	486	200L
67	14.63	3074	2.67	48000	M132214_M_-22.C--	486	200L
61	16.12	3387	2.49	48000	M132216_M_-22.C--	486	200L
54	18.02	3786	2.22	47928	M132218_M_-22.C--	486	200L
47	20.86	4383	1.97	46770	M132220_M_-22.C--	486	200L
42	23.51	4939	1.77	46004	M132222_M_-22.C--	486	200L
36	27.08	5690	1.56	45059	M132228_M_-22.C--	486	200L
29	33.25	6986	1.30	43641	M132232_M_-22.C--	486	200L
26	37.03	7780	1.18	42980	M132236_M_-22.C--	486	200L
23	43.25	9087	0.85	44593	M132245_M_-22.C--	486	200L
58	17.02	3576	3.64	68000	M142216_M_-22.C--	581	200L
54	18.30	3845	3.38	68000	M142218_M_-22.C--	581	200L
46	21.36	4488	2.90	68000	M142220_M_-22.C--	581	200L
42	23.55	4948	2.63	68000	M142222_M_-22.C--	581	200L
35	28.24	5933	2.19	68000	M142228_M_-22.C--	581	200L
29	33.89	7120	1.83	68000	M142232_M_-22.C--	581	200L
27	36.72	7715	1.69	68000	M142236_M_-22.C--	581	200L
23	42.95	9024	0.83	68000	M142245_M_-22.C--	581	200L
16	61.61	12812	1.01	68000	M143256_M_-22.C--	618	200L
14	68.46	14237	0.91	68000	M143263_M_-22.C--	618	200L
36	27.26	5727	3.60	75000	M162228_M_-22.C--	862	200L
31	31.41	6599	2.97	75000	M162232_M_-22.C--	862	200L
26	37.54	7887	2.10	75000	M162236_M_-22.C--	862	200L
22	45.05	9465	1.17	75000	M162245_M_-22.C--	862	200L
17	59.38	12348	1.68	75000	M163256_M_-22.C--	866	200L
15	63.82	13272	1.56	75000	M163263_M_-22.C--	866	200L
13	74.49	15491	1.34	75000	M163271_M_-22.C--	866	200L
12	82.13	17079	1.21	75000	M163280_M_-22.C--	866	200L
10	98.51	20486	1.01	75000	M1632100_M_-22.C--	866	200L

NOTE

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SELECTION TABLES

30.0 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
399	3.68	703	2.02	14262	M09223.6_M_-__30.A--	375	200L
290	5.07	968	1.66	12796	M09225.0_M_-__30.A--	375	200L
258	5.69	1087	1.55	12484	M09225.6_M_-__30.A--	375	200L
230	6.38	1219	1.44	12183	M09226.3_M_-__30.A--	375	200L
179	8.22	1570	1.22	11655	M09228.0_M_-__30.A--	375	200L
160	9.19	1755	1.14	11565	M09229.0_M_-__30.A--	375	200L
128	11.47	2191	0.98	11277	M092211._M_-__30.A--	375	200L
115	12.74	2433	0.92	11192	M092212._M_-__30.A--	375	200L
101	14.53	2775	0.84	11085	M092214._M_-__30.A--	375	200L
415	3.54	676	2.60	22997	M10223.6_M_-__30.A--	404	200L
298	4.94	944	2.62	24345	M10225.0_M_-__30.A--	404	200L
274	5.37	1026	2.62	23127	M10225.6_M_-__30.A--	404	200L
241	6.10	1165	2.59	21099	M10226.3_M_-__30.A--	404	200L
185	7.95	1518	2.19	15590	M10228.0_M_-__30.A--	404	200L
171	8.58	1639	2.09	14529	M10229.0_M_-__30.A--	404	200L
133	11.02	2105	1.77	13738	M102211._M_-__30.A--	404	200L
118	12.51	2389	1.63	13399	M102212._M_-__30.A--	404	200L
104	14.16	2705	1.50	12963	M102214._M_-__30.A--	404	200L
92	15.98	3052	1.20	17858	M102216._M_-__30.A--	404	200L
83	17.75	3390	1.21	14904	M102218._M_-__30.A--	404	200L
76	19.41	3707	1.20	12144	M102220._M_-__30.A--	404	200L
68	21.57	4120	1.13	11553	M102222._M_-__30.A--	404	200L
58	25.49	4869	0.97	13049	M102228._M_-__30.A--	404	200L
48	30.76	5875	0.85	13459	M102232._M_-__30.A--	404	200L
388	3.79	724	3.26	48000	M13223.6_M_-__30.A--	486	200L
279	5.26	1005	3.25	48000	M13225.0_M_-__30.A--	486	200L
255	5.77	1102	3.26	48000	M13225.6_M_-__30.A--	486	200L
231	6.35	1213	3.26	48000	M13226.3_M_-__30.A--	486	200L
181	8.11	1549	3.26	48000	M13228.0_M_-__30.A--	486	200L
164	8.99	1717	3.26	48000	M13229.0_M_-__30.A--	486	200L
124	11.81	2256	3.25	48000	M132211._M_-__30.A--	486	200L
114	12.92	2468	3.21	48000	M132212._M_-__30.A--	486	200L
100	14.63	2794	2.87	48000	M132214._M_-__30.A--	486	200L
91	16.12	3079	2.63	48000	M132216._M_-__30.A--	486	200L
82	18.02	3442	2.38	48000	M132218._M_-__30.A--	486	200L
70	20.86	3984	2.08	47808	M132220._M_-__30.A--	486	200L
63	23.51	4490	1.87	47138	M132222._M_-__30.A--	486	200L
54	27.08	5172	1.65	46160	M132228._M_-__30.A--	486	200L
44	33.25	6351	1.37	44825	M132232._M_-__30.A--	486	200L
40	37.03	7073	1.24	44046	M132236._M_-__30.A--	486	200L
34	43.25	8261	0.93	45063	M132245._M_-__30.A--	486	200L
86	17.02	3251	3.91	68000	M142216._M_-__30.A--	581	200L
80	18.30	3495	3.66	68000	M142218._M_-__30.A--	581	200L
69	21.36	4080	3.19	68000	M142220._M_-__30.A--	581	200L
62	23.55	4498	2.89	68000	M142222._M_-__30.A--	581	200L
52	28.24	5394	2.41	68000	M142228._M_-__30.A--	581	200L
43	33.89	6473	2.01	68000	M142232._M_-__30.A--	581	200L
40	36.72	7014	1.85	68000	M142236._M_-__30.A--	581	200L
34	42.95	8203	0.91	68000	M142245._M_-__30.A--	581	200L
29	50.36	9619	0.83	68000	M142250._M_-__30.A--	581	200L
24	61.61	11647	1.12	68000	M143256._M_-__30.A--	618	200L
21	68.46	12942	0.98	68000	M143263._M_-__30.A--	618	200L
20	74.85	14150	0.92	68000	M143271._M_-__30.A--	618	200L
54	27.26	5207	3.96	75000	M162228._M_-__30.A--	862	200L
47	31.41	5999	3.27	75000	M162232._M_-__30.A--	862	200L
39	37.54	7170	2.32	75000	M162236._M_-__30.A--	862	200L
33	45.05	8605	1.29	75000	M162245._M_-__30.A--	862	200L
25	59.38	11226	1.84	75000	M163256._M_-__30.A--	866	200L
23	63.82	12065	1.72	75000	M163263._M_-__30.A--	866	200L
20	74.49	14082	1.47	75000	M163271._M_-__30.A--	866	200L
18	82.13	15527	1.33	75000	M163280._M_-__30.A--	866	200L
15	98.51	18623	1.11	75000	M1632100_M_-__30.A--	866	200L
12	118.21	22348	0.93	75000	M1632112_M_-__30.A--	866	200L

NOTE

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SELECTION TABLES

30.0 kW

6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
268	3.68	1049	1.53	13103	M09223.6_M_-__30.C--	469	225M
194	5.07	1445	1.27	12213	M09225.0_M_-__30.C--	469	225M
173	5.69	1622	1.18	12116	M09225.6_M_-__30.C--	469	225M
154	6.38	1819	1.09	11917	M09226.3_M_-__30.C--	469	225M
120	8.22	2343	0.93	11602	M09228.0_M_-__30.C--	469	225M
107	9.19	2620	0.86	11413	M09229.0_M_-__30.C--	469	225M
278	3.54	1009	1.75	24999	M10223.6_M_-__30.C--	498	225M
199	4.94	1408	1.75	22977	M10225.0_M_-__30.C--	498	225M
183	5.37	1531	1.76	21386	M10225.6_M_-__30.C--	498	225M
161	6.10	1739	1.75	18829	M10226.3_M_-__30.C--	498	225M
124	7.95	2266	1.66	14168	M10228.0_M_-__30.C--	498	225M
115	8.58	2446	1.58	13883	M10229.0_M_-__30.C--	498	225M
89	11.02	3141	1.34	13016	M102211._M_-__30.C--	498	225M
79	12.51	3566	1.23	12588	M102212._M_-__30.C--	498	225M
70	14.16	4036	1.14	12069	M102214._M_-__30.C--	498	225M
260	3.79	1080	2.18	48000	M13223.6_M_-__30.C--	580	225M
187	5.26	1499	2.18	48000	M13225.0_M_-__30.C--	580	225M
171	5.77	1645	2.18	48000	M13225.6_M_-__30.C--	580	225M
155	6.35	1810	2.18	48000	M13226.3_M_-__30.C--	580	225M
121	8.11	2312	2.18	48000	M13228.0_M_-__30.C--	580	225M
110	8.99	2563	2.18	48000	M13229.0_M_-__30.C--	580	225M
83	11.81	3366	2.18	48000	M132211._M_-__30.C--	580	225M
76	12.92	3683	2.18	48000	M132212._M_-__30.C--	580	225M
67	14.63	4170	1.97	47733	M132214._M_-__30.C--	580	225M
61	16.12	4595	1.83	46924	M132216._M_-__30.C--	580	225M
55	18.02	5137	1.64	46347	M132218._M_-__30.C--	580	225M
47	20.86	5946	1.45	45227	M132220._M_-__30.C--	580	225M
42	23.51	6701	1.31	44486	M132222._M_-__30.C--	580	225M
36	27.08	7719	1.15	43572	M132228._M_-__30.C--	580	225M
30	33.25	9478	0.96	42201	M132232._M_-__30.C--	580	225M
83	11.80	3364	3.81	63710	M142211._M_-__30.C--	676	225M
75	13.08	3728	3.46	63963	M142212._M_-__30.C--	676	225M
66	14.86	4236	3.07	68000	M142214._M_-__30.C--	676	225M
58	17.02	4851	2.68	68000	M142216._M_-__30.C--	676	225M
54	18.30	5216	2.49	68000	M142218._M_-__30.C--	676	225M
46	21.36	6089	2.14	68000	M142220._M_-__30.C--	676	225M
42	23.55	6713	1.94	68000	M142222._M_-__30.C--	676	225M
35	28.24	8050	1.61	68000	M142228._M_-__30.C--	676	225M
29	33.89	9660	1.35	68000	M142232._M_-__30.C--	676	225M
27	36.72	10467	1.24	68000	M142236._M_-__30.C--	676	225M
48	20.39	5812	3.54	75000	M162220._M_-__30.C--	952	225M
42	23.51	6701	3.07	75000	M162222._M_-__30.C--	952	225M
36	27.26	7770	2.65	75000	M162228._M_-__30.C--	952	225M
31	31.41	8953	2.19	75000	M162232._M_-__30.C--	952	225M
26	37.54	10701	1.55	75000	M162236._M_-__30.C--	952	225M
22	45.05	12841	0.86	75000	M162245._M_-__30.C--	952	225M
17	59.38	16753	1.24	75000	M163256._M_-__30.C--	961	225M
15	63.82	18006	1.15	75000	M163263._M_-__30.C--	961	225M
13	74.49	21016	0.98	75000	M163271._M_-__30.C--	961	225M
12	82.13	23172	0.89	75000	M163280._M_-__30.C--	961	225M

NOTE

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



SELECTION TABLES

37.0 kW

4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
399	3.68	867	1.64	13936	M09223.6_M_-__37.A--	436	225S
290	5.07	1194	1.35	12504	M09225.0_M_-__37.A--	436	225S
258	5.69	1340	1.25	12199	M09225.6_M_-__37.A--	436	225S
230	6.38	1503	1.17	11905	M09226.3_M_-__37.A--	436	225S
179	8.22	1936	0.99	11389	M09228.0_M_-__37.A--	436	225S
160	9.19	2165	0.92	11301	M09229.0_M_-__37.A--	436	225S
415	3.54	834	2.11	22473	M10223.6_M_-__37.A--	465	225S
298	4.94	1164	2.12	23790	M10225.0_M_-__37.A--	465	225S
274	5.37	1265	2.13	22600	M10225.6_M_-__37.A--	465	225S
241	6.10	1437	2.10	20617	M10226.3_M_-__37.A--	465	225S
185	7.95	1873	1.78	15235	M10228.0_M_-__37.A--	465	225S
171	8.58	2021	1.69	14198	M10229.0_M_-__37.A--	465	225S
133	11.02	2596	1.44	13425	M102211_M_-__37.A--	465	225S
118	12.51	2947	1.32	13094	M102212_M_-__37.A--	465	225S
104	14.16	3336	1.21	12668	M102214_M_-__37.A--	465	225S
92	15.98	3764	0.97	17451	M102216_M_-__37.A--	465	225S
83	17.75	4181	0.98	14565	M102218_M_-__37.A--	465	225S
76	19.41	4572	0.98	11867	M102220_M_-__37.A--	465	225S
68	21.57	5081	0.92	11289	M102222_M_-__37.A--	465	225S
388	3.79	893	2.64	48000	M13223.6_M_-__37.A--	547	225S
279	5.26	1239	2.64	48000	M13225.0_M_-__37.A--	547	225S
255	5.77	1359	2.64	48000	M13225.6_M_-__37.A--	547	225S
231	6.35	1496	2.64	48000	M13226.3_M_-__37.A--	547	225S
181	8.11	1910	2.64	48000	M13228.0_M_-__37.A--	547	225S
164	8.99	2118	2.64	48000	M13229.0_M_-__37.A--	547	225S
124	11.81	2782	2.64	48000	M132211_M_-__37.A--	547	225S
114	12.92	3044	2.60	48000	M132212_M_-__37.A--	547	225S
100	14.63	3446	2.32	48000	M132214_M_-__37.A--	547	225S
91	16.12	3797	2.13	48000	M132216_M_-__37.A--	547	225S
82	18.02	4245	1.93	48000	M132218_M_-__37.A--	547	225S
70	20.86	4914	1.69	46718	M132220_M_-__37.A--	547	225S
63	23.51	5538	1.52	46063	M132222_M_-__37.A--	547	225S
54	27.08	6379	1.33	45108	M132228_M_-__37.A--	547	225S
44	33.25	7833	1.11	43803	M132232_M_-__37.A--	547	225S
40	37.03	8723	1.01	43042	M132236_M_-__37.A--	547	225S
99	14.86	3501	3.57	68000	M142214_M_-__37.A--	643	225S
86	17.02	4009	3.17	68000	M142216_M_-__37.A--	643	225S
80	18.30	4311	2.97	68000	M142218_M_-__37.A--	643	225S
69	21.36	5032	2.58	68000	M142220_M_-__37.A--	643	225S
62	23.55	5548	2.34	68000	M142222_M_-__37.A--	643	225S
52	28.24	6652	1.95	68000	M142228_M_-__37.A--	643	225S
43	33.89	7983	1.63	68000	M142232_M_-__37.A--	643	225S
40	36.72	8650	1.50	68000	M142236_M_-__37.A--	643	225S
24	61.61	14365	0.90	68000	M143256_M_-__37.A--	679	225S
21	68.46	15962	0.80	68000	M143263_M_-__37.A--	679	225S
63	23.51	5538	3.72	75000	M162222_M_-__37.A--	919	225S
54	27.26	6422	3.21	75000	M162228_M_-__37.A--	919	225S
47	31.41	7399	2.65	75000	M162232_M_-__37.A--	919	225S
39	37.54	8843	1.88	75000	M162236_M_-__37.A--	919	225S
33	45.05	10612	1.05	75000	M162245_M_-__37.A--	919	225S
25	59.38	13845	1.50	75000	M163256_M_-__37.A--	928	225S
23	63.82	14880	1.39	75000	M163263_M_-__37.A--	928	225S
20	74.49	17368	1.19	75000	M163271_M_-__37.A--	928	225S
18	82.13	19150	1.08	75000	M163280_M_-__37.A--	928	225S
15	98.51	22969	0.90	75000	M1632100_M_-__37.A--	928	225S

NOTE

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



SELECTION TABLES

37.0 kW

6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
260	3.79	1332	1.77	48000	M13223.6_M_-_37.C--	669	250M
187	5.26	1849	1.77	48000	M13225.0_M_-_37.C--	669	250M
171	5.77	2028	1.77	48000	M13225.6_M_-_37.C--	669	250M
155	6.35	2232	1.77	48000	M13226.3_M_-_37.C--	669	250M
121	8.11	2851	1.77	48000	M13228.0_M_-_37.C--	669	250M
110	8.99	3160	1.77	48000	M13229.0_M_-_37.C--	669	250M
83	11.81	4152	1.77	48000	M132211._M_-_37.C--	669	250M
76	12.92	4542	1.77	47804	M132212._M_-_37.C--	669	250M
67	14.63	5143	1.60	46645	M132214._M_-_37.C--	669	250M
61	16.12	5667	1.49	45854	M132216._M_-_37.C--	669	250M
55	18.02	6335	1.33	45290	M132218._M_-_37.C--	669	250M
47	20.86	7333	1.18	44195	M132220._M_-_37.C--	669	250M
42	23.51	8265	1.06	43472	M132222._M_-_37.C--	669	250M
36	27.08	9520	0.93	42578	M132228._M_-_37.C--	669	250M
116	8.51	2992	3.84	60302	M14228.0_M_-_37.C--	765	250M
104	9.45	3322	3.70	61439	M14229.0_M_-_37.C--	765	250M
83	11.80	4148	3.09	62257	M142211._M_-_37.C--	765	250M
75	13.08	4598	2.81	62505	M142212._M_-_37.C--	765	250M
66	14.86	5224	2.49	68000	M142214._M_-_37.C--	765	250M
58	17.02	5983	2.17	68000	M142216._M_-_37.C--	765	250M
54	18.30	6433	2.02	68000	M142218._M_-_37.C--	765	250M
46	21.36	7509	1.73	68000	M142220._M_-_37.C--	765	250M
42	23.55	8279	1.57	68000	M142222._M_-_37.C--	765	250M
35	28.24	9928	1.31	68000	M142228._M_-_37.C--	765	250M
29	33.89	11914	1.09	68000	M142232._M_-_37.C--	765	250M
27	36.72	12909	1.01	68000	M142236._M_-_37.C--	765	250M
70	14.01	4925	3.63	75000	M162214._M_-_37.C--	1024	250M
61	16.19	5692	3.55	75000	M162216._M_-_37.C--	1024	250M
56	17.49	6149	3.35	75000	M162218._M_-_37.C--	1024	250M
48	20.39	7168	2.87	75000	M162220._M_-_37.C--	1024	250M
42	23.51	8265	2.49	75000	M162222._M_-_37.C--	1024	250M
36	27.26	9583	2.15	75000	M162228._M_-_37.C--	1024	250M
31	31.41	11042	1.77	75000	M162232._M_-_37.C--	1024	250M
26	37.54	13197	1.26	75000	M162236._M_-_37.C--	1024	250M
17	59.38	20662	1.00	75000	M163256._M_-_37.C--	980	250M
15	63.82	22207	0.93	75000	M163263._M_-_37.C--	980	250M

NOTE

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



SELECTION TABLES

45.0 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
402	3.68	1047	1.36	13650	M09223.6_M_-45.A--	469	225M
292	5.07	1443	1.12	12247	M09225.0_M_-45.A--	469	225M
260	5.69	1619	1.04	11948	M09225.6_M_-45.A--	469	225M
232	6.38	1816	0.97	11660	M09226.3_M_-45.A--	469	225M
418	3.54	1007	1.75	22010	M10223.6_M_-45.A--	498	225M
300	4.94	1406	1.76	23301	M10225.0_M_-45.A--	498	225M
276	5.37	1528	1.76	22135	M10225.6_M_-45.A--	498	225M
243	6.10	1736	1.74	20193	M10226.3_M_-45.A--	498	225M
186	7.95	2262	1.47	14921	M10228.0_M_-45.A--	498	225M
172	8.58	2442	1.40	13906	M10229.0_M_-45.A--	498	225M
134	11.02	3136	1.19	13149	M102211_M_-45.A--	498	225M
118	12.51	3560	1.09	12824	M102212_M_-45.A--	498	225M
105	14.16	4029	1.01	12407	M102214_M_-45.A--	498	225M
93	15.98	4547	0.81	17092	M102216_M_-45.A--	498	225M
83	17.75	5051	0.81	14265	M102218_M_-45.A--	498	225M
76	19.41	5523	0.81	11623	M102220_M_-45.A--	498	225M
391	3.79	1078	2.19	48000	M13223.6_M_-45.A--	580	225M
281	5.26	1497	2.18	48000	M13225.0_M_-45.A--	580	225M
256	5.77	1642	2.19	48000	M13225.6_M_-45.A--	580	225M
233	6.35	1807	2.19	48000	M13226.3_M_-45.A--	580	225M
182	8.11	2308	2.19	48000	M13228.0_M_-45.A--	580	225M
165	8.99	2558	2.19	48000	M13229.0_M_-45.A--	580	225M
125	11.81	3361	2.18	48000	M132211_M_-45.A--	580	225M
115	12.92	3677	2.15	48000	M132212_M_-45.A--	580	225M
101	14.63	4163	1.92	48000	M132214_M_-45.A--	580	225M
92	16.12	4587	1.76	48000	M132216_M_-45.A--	580	225M
82	18.02	5128	1.60	47372	M132218_M_-45.A--	580	225M
71	20.86	5936	1.40	45756	M132220_M_-45.A--	580	225M
63	23.51	6690	1.26	45116	M132222_M_-45.A--	580	225M
55	27.08	7706	1.10	44180	M132228_M_-45.A--	580	225M
45	33.25	9462	0.92	42902	M132232_M_-45.A--	580	225M
125	11.80	3358	3.66	68000	M142211_M_-45.A--	676	225M
113	13.08	3722	3.33	68000	M142212_M_-45.A--	676	225M
100	14.86	4229	2.96	68000	M142214_M_-45.A--	676	225M
87	17.02	4843	2.62	68000	M142216_M_-45.A--	676	225M
81	18.30	5208	2.46	68000	M142218_M_-45.A--	676	225M
69	21.36	6078	2.14	68000	M142220_M_-45.A--	676	225M
63	23.55	6701	1.94	68000	M142222_M_-45.A--	676	225M
52	28.24	8036	1.62	68000	M142228_M_-45.A--	676	225M
44	33.89	9644	1.35	68000	M142232_M_-45.A--	676	225M
40	36.72	10449	1.24	68000	M142236_M_-45.A--	676	225M
73	20.39	5802	3.55	75000	M162220_M_-45.A--	952	225M
63	23.51	6690	3.08	75000	M162222_M_-45.A--	952	225M
54	27.26	7757	2.66	75000	M162228_M_-45.A--	952	225M
47	31.41	8938	2.19	75000	M162232_M_-45.A--	952	225M
39	37.54	10683	1.55	75000	M162236_M_-45.A--	952	225M
33	45.05	12820	0.87	75000	M162245_M_-45.A--	952	225M
25	59.38	16725	1.24	75000	M163256_M_-45.A--	961	225M
23	63.82	17976	1.15	75000	M163263_M_-45.A--	961	225M
20	74.49	20981	0.99	75000	M163271_M_-45.A--	961	225M
18	82.13	23133	0.89	75000	M163280_M_-45.A--	961	225M

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



SELECTION TABLES

45.0 kW
6 POLE

55.0 kW
4 POLE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
260	3.79	1620	1.46	48000	M13223.6_M_-45.C-	785	280S
187	5.26	2249	1.45	48000	M13225.0_M_-45.C-	785	280S
171	5.77	2467	1.46	48000	M13225.6_M_-45.C-	785	280S
155	6.35	2715	1.45	48000	M13226.3_M_-45.C-	785	280S
121	8.11	3468	1.46	48000	M13228.0_M_-45.C-	785	280S
110	8.99	3844	1.45	48000	M13229.0_M_-45.C-	785	280S
83	11.81	5050	1.46	48000	M132211_M_-45.C-	785	280S
76	12.92	5524	1.45	46786	M132212_M_-45.C-	785	280S
67	14.63	6255	1.31	45651	M132214_M_-45.C-	785	280S
61	16.12	6892	1.22	44877	M132216_M_-45.C-	785	280S
55	18.02	7705	1.09	44325	M132218_M_-45.C-	785	280S
47	20.86	8919	0.97	43254	M132220_M_-45.C-	785	280S
42	23.51	10052	0.87	42546	M132222_M_-45.C-	785	280S
263	3.75	1603	3.33	51482	M14223.6_M_-45.C-	881	280S
188	5.24	2240	3.33	52500	M14225.0_M_-45.C-	881	280S
167	5.90	2523	3.33	53756	M14225.6_M_-45.C-	881	280S
149	6.63	2835	3.33	55470	M14226.3_M_-45.C-	881	280S
116	8.51	3639	3.16	59017	M14228.0_M_-45.C-	881	280S
104	9.45	4041	3.04	60130	M14229.0_M_-45.C-	881	280S
83	11.80	5045	2.54	60931	M142211_M_-45.C-	881	280S
75	13.08	5593	2.31	61173	M142212_M_-45.C-	881	280S
66	14.86	6354	2.05	68000	M142214_M_-45.C-	881	280S
58	17.02	7277	1.79	68000	M142216_M_-45.C-	881	280S
54	18.30	7825	1.66	68000	M142218_M_-45.C-	881	280S
46	21.36	9133	1.42	68000	M142220_M_-45.C-	881	280S
42	23.55	10069	1.29	68000	M142222_M_-45.C-	881	280S
35	28.24	12075	1.08	68000	M142228_M_-45.C-	881	280S
29	33.89	14490	0.90	68000	M142232_M_-45.C-	881	280S
27	36.72	15700	0.83	68000	M142236_M_-45.C-	881	280S
78	12.67	5417	3.80	75000	M162212_M_-45.C-	1140	280S
70	14.01	5990	2.99	75000	M162214_M_-45.C-	1140	280S
61	16.19	6922	2.92	75000	M162216_M_-45.C-	1140	280S
56	17.49	7478	2.75	75000	M162218_M_-45.C-	1140	280S
48	20.39	8718	2.36	75000	M162220_M_-45.C-	1140	280S
42	23.51	10052	2.05	75000	M162222_M_-45.C-	1140	280S
36	27.26	11656	1.77	75000	M162228_M_-45.C-	1140	280S
31	31.41	13430	1.46	75000	M162232_M_-45.C-	1140	280S
26	37.54	16051	1.03	75000	M162236_M_-45.C-	1140	280S
391	3.79	1318	1.79	48000	M13223.6_M_-55.A-	669	250M
281	5.26	1829	1.79	48000	M13225.0_M_-55.A-	669	250M
256	5.77	2007	1.79	48000	M13225.6_M_-55.A-	669	250M
233	6.35	2209	1.79	48000	M13226.3_M_-55.A-	669	250M
182	8.11	2821	1.79	48000	M13228.0_M_-55.A-	669	250M
165	8.99	3127	1.79	48000	M13229.0_M_-55.A-	669	250M
125	11.81	4108	1.79	48000	M132211_M_-55.A-	669	250M
115	12.92	4494	1.76	48000	M132212_M_-55.A-	669	250M
101	14.63	5088	1.57	48000	M132214_M_-55.A-	669	250M
92	16.12	5607	1.44	48000	M132216_M_-55.A-	669	250M
82	18.02	6267	1.31	46338	M132218_M_-55.A-	669	250M
71	20.86	7255	1.14	44758	M132220_M_-55.A-	669	250M
63	23.51	8177	1.03	44131	M132222_M_-55.A-	669	250M
55	27.08	9418	0.90	43215	M132228_M_-55.A-	669	250M
174	8.51	2960	3.78	68000	M14228.0_M_-55.A-	765	250M
157	9.45	3287	3.56	68000	M14229.0_M_-55.A-	765	250M
125	11.80	4104	3.00	68000	M142211_M_-55.A-	765	250M
113	13.08	4549	2.73	68000	M142212_M_-55.A-	765	250M
100	14.86	5168	2.42	68000	M142214_M_-55.A-	765	250M
87	17.02	5920	2.15	68000	M142216_M_-55.A-	765	250M
81	18.30	6365	2.01	68000	M142218_M_-55.A-	765	250M
69	21.36	7429	1.75	68000	M142220_M_-55.A-	765	250M
63	23.55	8191	1.59	68000	M142222_M_-55.A-	765	250M
52	28.24	9822	1.32	68000	M142228_M_-55.A-	765	250M
106	14.01	4873	3.67	75000	M162214_M_-55.A-	1024	250M
91	16.19	5631	3.59	75000	M162216_M_-55.A-	1024	250M
85	17.49	6083	3.39	75000	M162218_M_-55.A-	1024	250M
73	20.39	7092	2.90	75000	M162220_M_-55.A-	1024	250M
63	23.51	8177	2.52	75000	M162222_M_-55.A-	1024	250M
54	27.26	9481	2.17	75000	M162228_M_-55.A-	1024	250M
47	31.41	10924	1.79	75000	M162232_M_-55.A-	1024	250M
39	37.54	13056	1.27	75000	M162236_M_-55.A-	1024	250M
25	59.38	20442	1.01	75000	M163256_M_-55.A-	980	250M
23	63.82	21970	0.94	75000	M163263_M_-55.A-	980	250M



SELECTION TABLES

55.0 kW

6 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
260	3.79	1981	1.19	48000	M13223.6_M_55.C-	875	280M
187	5.26	2749	1.19	48000	M13225.0_M_55.C-	875	280M
171	5.77	3015	1.19	48000	M13225.6_M_55.C-	875	280M
155	6.35	3318	1.19	48000	M13226.3_M_55.C-	875	280M
121	8.11	4238	1.19	48000	M13228.0_M_55.C-	875	280M
110	8.99	4698	1.19	48000	M13229.0_M_55.C-	875	280M
83	11.81	6172	1.19	46995	M132211_M_55.C-	875	280M
76	12.92	6752	1.19	45765	M132212_M_55.C-	875	280M
67	14.63	7645	1.08	44655	M132214_M_55.C-	875	280M
61	16.12	8424	1.00	43898	M132216_M_55.C-	875	280M
55	18.02	9417	0.89	43357	M132218_M_55.C-	875	280M
263	3.75	1960	2.72	50358	M14223.6_M_55.C-	971	280M
188	5.24	2738	2.72	51354	M14225.0_M_55.C-	971	280M
167	5.90	3083	2.72	52583	M14225.6_M_55.C-	971	280M
149	6.63	3465	2.72	54259	M14226.3_M_55.C-	971	280M
116	8.51	4447	2.59	57729	M14228.0_M_55.C-	971	280M
104	9.45	4938	2.49	58817	M14229.0_M_55.C-	971	280M
83	11.80	6166	2.08	59601	M142211_M_55.C-	971	280M
75	13.08	6835	1.89	59838	M142212_M_55.C-	971	280M
66	14.86	7766	1.67	68000	M142214_M_55.C-	971	280M
58	17.02	8894	1.46	68000	M142216_M_55.C-	971	280M
54	18.30	9563	1.36	68000	M142218_M_55.C-	971	280M
46	21.36	11162	1.16	68000	M142220_M_55.C-	971	280M
42	23.55	12307	1.06	68000	M142222_M_55.C-	971	280M
88	11.17	5837	3.51	75000	M162211_M_55.C-	1230	280M
78	12.67	6621	3.11	75000	M162212_M_55.C-	1230	280M
70	14.01	7321	2.44	75000	M162214_M_55.C-	1230	280M
61	16.19	8461	2.39	75000	M162216_M_55.C-	1230	280M
56	17.49	9140	2.25	75000	M162218_M_55.C-	1230	280M
48	20.39	10655	1.93	75000	M162220_M_55.C-	1230	280M
42	23.51	12286	1.68	75000	M162222_M_55.C-	1230	280M
36	27.26	14246	1.45	75000	M162228_M_55.C-	1230	280M
31	31.41	16414	1.19	75000	M162232_M_55.C-	1230	280M
26	37.54	19618	0.85	73635	M162236_M_55.C-	1230	280M

75.0 kW

4 POLE

395	3.75	1779	3.00	68000	M14223.6_M_75.A-	881	280S
282	5.24	2485	3.00	68000	M14225.0_M_75.A-	881	280S
251	5.90	2798	3.00	68000	M14225.6_M_75.A-	881	280S
223	6.63	3144	3.00	68000	M14226.3_M_75.A-	881	280S
174	8.51	4036	2.77	68000	M14228.0_M_75.A-	881	280S
157	9.45	4482	2.61	68000	M14229.0_M_75.A-	881	280S
125	11.80	5596	2.20	68000	M142211_M_75.A-	881	280S
113	13.08	6203	2.00	68000	M142212_M_75.A-	881	280S
100	14.86	7048	1.77	68000	M142214_M_75.A-	881	280S
87	17.02	8072	1.57	68000	M142216_M_75.A-	881	280S
81	18.30	8679	1.47	68000	M142218_M_75.A-	881	280S
69	21.36	10130	1.28	68000	M142220_M_75.A-	881	280S
132	11.17	5298	3.87	75000	M162211_M_75.A-	1140	280S
117	12.67	6009	3.43	75000	M162212_M_75.A-	1140	280S
106	14.01	6645	2.69	75000	M162214_M_75.A-	1140	280S
91	16.19	7678	2.63	75000	M162216_M_75.A-	1140	280S
85	17.49	8295	2.48	75000	M162218_M_75.A-	1140	280S
73	20.39	9670	2.13	75000	M162220_M_75.A-	1140	280S
63	23.51	11150	1.85	75000	M162222_M_75.A-	1140	280S
54	27.26	12929	1.59	75000	M162228_M_75.A-	1140	280S
47	31.41	14897	1.32	75000	M162232_M_75.A-	1140	280S
39	37.54	17804	0.93	75000	M162236_M_75.A-	1140	280S

75.0 kW

6 POLE

120	8.19	5836	3.41	75000	M16228.0_M_75.C-	1400	315S
105	9.35	6663	3.03	75000	M16229.0_M_75.C-	1400	315S
88	11.17	7960	2.58	75000	M162211_M_75.C-	1400	315S
78	12.67	9029	2.28	75000	M162212_M_75.C-	1400	315S
70	14.01	9984	1.79	75000	M162214_M_75.C-	1400	315S
61	16.19	11537	1.75	75000	M162216_M_75.C-	1400	315S
56	17.49	12464	1.65	75000	M162218_M_75.C-	1400	315S
48	20.39	14530	1.42	75000	M162220_M_75.C-	1400	315S
42	23.51	16754	1.23	75000	M162222_M_75.C-	1400	315S
36	27.26	19426	1.06	75000	M162228_M_75.C-	1400	315S
31	31.41	22383	0.88	75000	M162232_M_75.C-	1400	315S

NOTE

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



SELECTION TABLES

90.0 kW

4 POLE

90.0 kW

6 POLE

110 kW

4 POLE

110 kW

6 POLE

NOTE

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

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	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	
395	3.75	2134	2.50	66701	M14223.6_M_-_90.A--	971	280M
282	5.24	2982	2.50	68000	M14225.0_M_-_90.A--	971	280M
251	5.90	3358	2.50	68000	M14225.6_M_-_90.A--	971	280M
223	6.63	3773	2.50	68000	M14226.3_M_-_90.A--	971	280M
174	8.51	4843	2.31	68000	M14228.0_M_-_90.A--	971	280M
157	9.45	5378	2.18	68000	M14229.0_M_-_90.A--	971	280M
158	9.35	5321	3.80	75000	M16229.0_M_-_90.A--	1230	280M
132	11.17	6357	3.22	75000	M162211._M_-_90.A--	1230	280M
117	12.67	7211	2.86	75000	M162212._M_-_90.A--	1230	280M
106	14.01	7973	2.24	75000	M162214._M_-_90.A--	1230	280M
91	16.19	9214	2.19	75000	M162216._M_-_90.A--	1230	280M
85	17.49	9954	2.07	75000	M162218._M_-_90.A--	1230	280M
73	20.39	11605	1.78	75000	M162220._M_-_90.A--	1230	280M
63	23.51	13380	1.54	75000	M162222._M_-_90.A--	1230	280M
54	27.26	15514	1.33	75000	M162228._M_-_90.A--	1230	280M
47	31.41	17876	1.10	75000	M162232._M_-_90.A--	1230	280M
157	6.26	5353	3.64	75000	M16226.3_M_-_90.C--	1440	315M
120	8.19	7004	2.84	75000	M16228.0_M_-_90.C--	1440	315M
105	9.35	7996	2.53	75000	M16229.0_M_-_90.C--	1440	315M
88	11.17	9552	2.15	75000	M162211._M_-_90.C--	1440	315M
78	12.67	10835	1.90	75000	M162212._M_-_90.C--	1440	315M
70	14.01	11980	1.49	75000	M162214._M_-_90.C--	1440	315M
61	16.19	13845	1.46	75000	M162216._M_-_90.C--	1440	315M
56	17.49	14956	1.38	75000	M162218._M_-_90.C--	1440	315M
48	20.39	17436	1.18	75000	M162220._M_-_90.C--	1440	315M
42	23.51	20104	1.02	75000	M162222._M_-_90.C--	1440	315M
36	27.26	23311	0.88	75000	M162228._M_-_90.C--	1440	315M
181	8.19	5697	3.49	75000	M16228.0_M_-_110A--	1400	315S
158	9.35	6504	3.11	75000	M16229.0_M_-_110A--	1400	315S
132	11.17	7770	2.64	75000	M162211._M_-_110A--	1400	315S
117	12.67	8813	2.34	75000	M162212._M_-_110A--	1400	315S
106	14.01	9745	1.84	75000	M162214._M_-_110A--	1400	315S
91	16.19	11262	1.79	75000	M162216._M_-_110A--	1400	315S
85	17.49	12166	1.69	75000	M162218._M_-_110A--	1400	315S
73	20.39	14183	1.45	75000	M162220._M_-_110A--	1400	315S
63	23.51	16354	1.26	75000	M162222._M_-_110A--	1400	315S
54	27.26	18962	1.09	75000	M162228._M_-_110A--	1400	315S
47	31.41	21849	0.90	75000	M162232._M_-_110A--	1400	315S
199	4.95	5174	3.71	75000	M16225.0_M_-_110C--	1440	315M
184	5.35	5595	3.47	75000	M16225.6_M_-_110C--	1440	315M
157	6.26	6540	2.98	75000	M16226.3_M_-_110C--	1440	315M
120	8.19	8560	2.32	75000	M16228.0_M_-_110C--	1440	315M
105	9.35	9772	2.07	75000	M16229.0_M_-_110C--	1440	315M
88	11.17	11675	1.76	75000	M162211._M_-_110C--	1440	315M
78	12.67	13242	1.56	75000	M162212._M_-_110C--	1440	315M
70	14.01	14643	1.22	75000	M162214._M_-_110C--	1440	315M
61	16.19	16921	1.19	75000	M162216._M_-_110C--	1440	315M
56	17.49	18280	1.13	75000	M162218._M_-_110C--	1440	315M
48	20.39	21311	0.97	75000	M162220._M_-_110C--	1440	315M
42	23.51	24572	0.84	75000	M162222._M_-_110C--	1440	315M



SELECTION TABLES

132 kW
4 POLE

132 kW
6 POLE

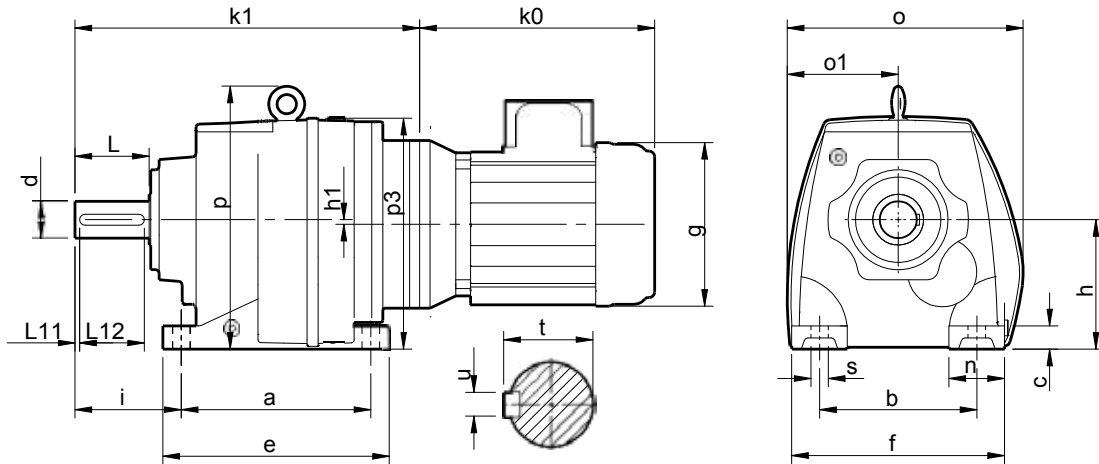
160 kW
4 POLE

N2 RPM	i	M2 Nm	Fm	N	Unit Designation	kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] - [20] Blanks to be filled when entering order	Weight of base mount unit	Motor Size
236	6.26	5225	3.71	75000	M16226.3_M_-_132A--	1440	315M
181	8.19	6836	2.91	75000	M16228.0_M_-_132A--	1440	315M
158	9.35	7805	2.59	75000	M16229.0_M_-_132A--	1440	315M
132	11.17	9324	2.20	75000	M162211_M_-_132A--	1440	315M
117	12.67	10576	1.95	75000	M162212_M_-_132A--	1440	315M
106	14.01	11694	1.53	75000	M162214_M_-_132A--	1440	315M
91	16.19	13514	1.49	75000	M162216_M_-_132A--	1440	315M
85	17.49	14599	1.41	75000	M162218_M_-_132A--	1440	315M
73	20.39	17020	1.21	75000	M162220_M_-_132A--	1440	315M
63	23.51	19624	1.05	75000	M162222_M_-_132A--	1440	315M
54	27.26	22755	0.91	75000	M162228_M_-_132A--	1440	315M
199	4.95	6208	3.09	75000	M16225.0_M_-_132C--	1590	315L
184	5.35	6714	2.89	75000	M16225.6_M_-_132C--	1590	315L
157	6.26	7848	2.48	75000	M16226.3_M_-_132C--	1590	315L
120	8.19	10272	1.94	75000	M16228.0_M_-_132C--	1590	315L
105	9.35	11727	1.72	75000	M16229.0_M_-_132C--	1590	315L
88	11.17	14009	1.46	75000	M162211_M_-_132C--	1590	315L
78	12.67	15891	1.30	75000	M162212_M_-_132C--	1590	315L
70	14.01	17571	1.02	75000	M162214_M_-_132C--	1590	315L
61	16.19	20306	0.99	75000	M162216_M_-_132C--	1590	315L
56	17.49	21936	0.94	75000	M162218_M_-_132C--	1590	315L
48	20.39	25573	0.81	75000	M162220_M_-_132C--	1590	315L
299	4.95	5008	3.83	75000	M16225.0_M_-_160A--	1590	315L
276	5.35	5416	3.58	75000	M16225.6_M_-_160A--	1590	315L
237	6.26	6331	3.06	75000	M16226.3_M_-_160A--	1590	315L
181	8.19	8290	2.40	75000	M16228.0_M_-_160A--	1590	315L
158	9.35	9463	2.13	75000	M16229.0_M_-_160A--	1590	315L
132	11.17	11302	1.81	75000	M162211_M_-_160A--	1590	315L
117	12.67	12819	1.61	75000	M162212_M_-_160A--	1590	315L
106	14.01	14175	1.26	75000	M162214_M_-_160A--	1590	315L
91	16.19	16381	1.23	75000	M162216_M_-_160A--	1590	315L
85	17.49	17696	1.16	75000	M162218_M_-_160A--	1590	315L
73	20.39	20630	1.00	74988	M162220_M_-_160A--	1590	315L
63	23.51	23787	0.87	75000	M162222_M_-_160A--	1590	315L

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

SERIES M

DIMENSIONS - BASE MOUNTED DOUBLE/ TRIPLE REDUCTION

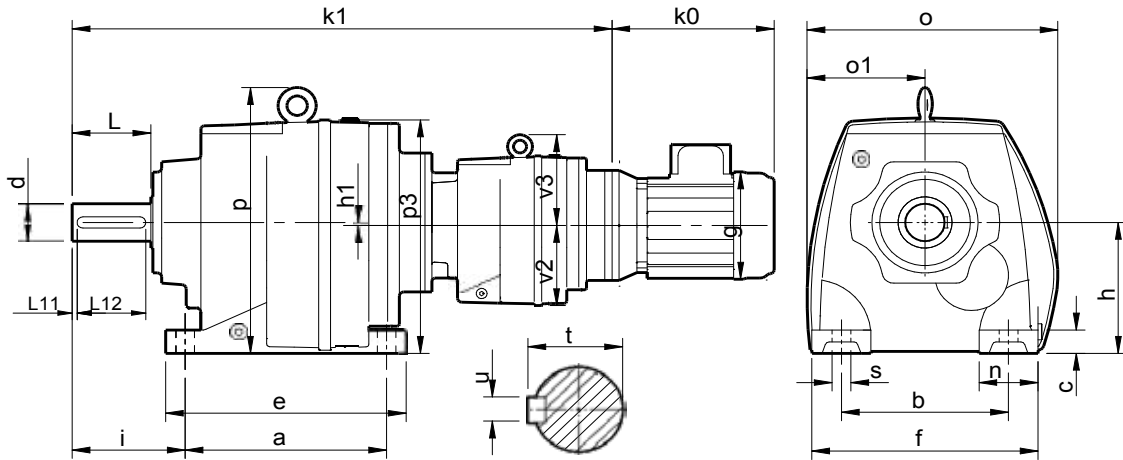


Size	a	b	c	e	f	h	h1	i	n	o	o1	p	p3	s	d	L	L11	L12	t	u
M0122 M0132	110	110	12	131	135	75	0	58	25	152	76	-	149	10	20 k6	40	4	32	23	6
M0222 M0232	130	110	16	152	145	90	0	75	35	170	84	-	180	10	25 k6	50	4	40	28	8
M0322 M0332	130	110	16	152	145	90	0	75	35	170	84	-	180	10	25 k6	50	4	40	28	8
M0422 M0432	165	135	20	200	190	115	0	90	55	204	97	-	208	15	30 k6	60	4	50	33	8
M0522 M0532	165	135	20	200	190	115	0	100	55	204	97	-	208	15	35 k6	70	7	60	38	10
M0622 M0632	195	150	24	235	210	130	14.5	100	60	220	110	246	214	15	35 k6	70	7	60	38	10
M0722 M0732	205	170	25	245	230	140	0	115	60	252	119	295	250	19	40 k6	80	5	70	43	12
M0822 M0832	260	215	35	310	290	180	0	140	75	320	167	360	310	19	50 k6	100	10	80	54	14
M0922 M0932	310	250	45	365	340	225	0	160	90	375	176	465	395	22	60 m6	120	5	110	64	18
M1022 M1032	370	290	45	440	400	250	0	185	110	435	206	524	446	27	70 m6	140	7	110	75	20
M1322 M1332	410	340	60	490	450	315	17.6	220	110	480	231	615	516	33	90 m6	170	5	140	95	25
M1422 M1432	500	380	70	590	530	355	23.6	260	150	535	268	680	581	39	100 m6	210	10	180	116	28
M1622 M1632	580	500	80	670	660	425	42.2	270	160	760	335	805	675	39	120 m6	210	5	200	127	32

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		
	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		
63	183	124	209	224	240	253	240	253	270	300	280	310	301	331	-	353	-	-	-	-	-	-	-	-	-	-		
71	210	140	213	228	244	257	244	257	276	304	286	314	307	335	-	359	-	-	-	-	-	-	-	-	-	-		
80	237	158	226	241	257	270	257	270	294	317	304	327	325	348	362	377	477	462	522	575	-	640	-	-	-	-		
90S	247	180	236	251	267	280	267	280	304	327	314	337	335	358	372	387	477	472	522	575	-	640	-	-	-	-		
90L	272	180	236	251	267	280	267	280	304	327	314	337	335	358	372	387	477	472	522	575	-	640	-	-	-	-		
100L	306	198	244	259	275	288	275	288	331	335	341	345	362	366	384	414	483	484	528	581	596	646	713	718	828	836	-	993
112M	329	222	244	259	275	288	275	288	331	335	341	345	362	366	384	414	483	484	528	581	596	646	713	718	828	836	-	993
132S	357	262	-	-	-	-	-	-	331	-	341	-	362	-	406	414	483	506	528	581	596	646	713	718	828	836	-	993
132M	395	262	-	-	-	-	-	-	331	-	341	-	362	-	406	414	483	506	528	581	596	646	713	718	828	836	-	993
160M	466	311	-	-	-	-	-	-	-	-	-	-	-	-	414	-	513	514	563	611	631	681	706	753	821	871	-	986
160L	510	311	-	-	-	-	-	-	-	-	-	-	-	-	414	-	513	514	563	611	631	681	706	753	821	871	-	986
180M	533	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	563	-	631	681	706	753	821	871	1106	986	
180L	571	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	563	-	631	681	706	753	821	871	1106	986	
200L	650	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	563	-	631	681	706	753	821	871	1106	986	
225S	695	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	590	-	658	708	733	780	848	898	1136	1013	
225M	695	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	590	-	658	708	733	780	848	898	1136	1013	
250M	790	485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	905	-	1020	-	1136	1185	
280S	890	540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	905	-	1020	-	1136	1185	
280M	890	540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	905	-	1020	-	1136	1185	
315S	1045	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1166	-	
315M	1045	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1166	-	
315L	1185	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1166	-	

SERIES M

DIMENSIONS - BASE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION

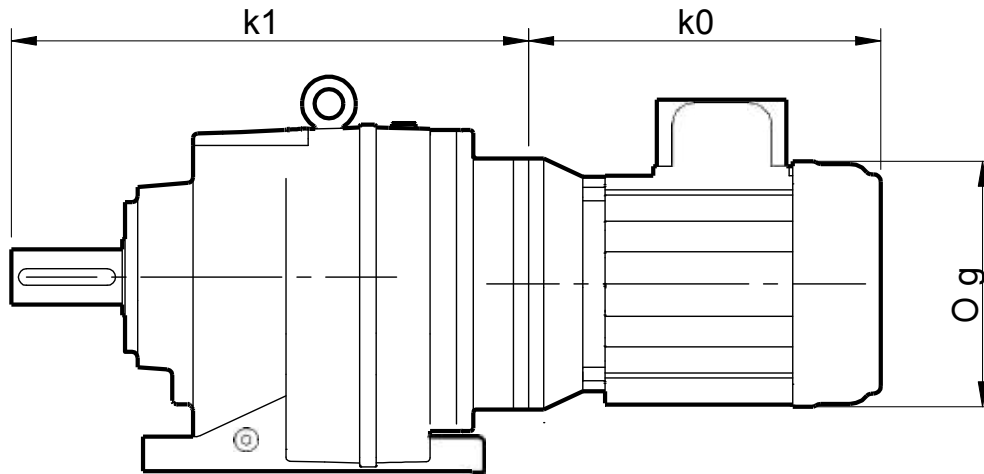


Size	a	b	c	e	f	h	h1	i	n	o	o1	p	p3	s	d	L	L11	L12	t	u	v2	v3
M0342 M0352	130	110	16	152	145	90	0	75	35	170	84	-	180	10	25 k6	50	4	40	28	8	76	74
M0442 M0452	165	135	20	200	190	115	0	90	55	204	97	-	208	15	30 k6	60	4	50	33	8	91	90
M0542 M0552	165	135	20	200	190	115	0	100	55	204	97	-	208	15	35 k6	70	7	60	38	10	91	90
M0642 M0652	195	150	24	235	210	130	14.5	100	60	220	110	246	214	15	35 k6	70	7	60	38	10	91	90
M0742 M0752	205	170	25	245	230	140	0	115	60	252	119	295	250	19	40 k6	80	5	70	43	12	91	90
M0842 M0852	260	215	35	310	290	180	0	140	75	320	167	360	310	19	50 k6	100	10	80	53.5	14	115	93
M0942 M0952	310	250	45	365	340	225	0	160	90	375	176	465	395	22	60 m6	120	5	110	64	18	115	93
M1042 M1052	370	290	45	440	400	250	0	185	110	435	206	524	446	27	70 m6	140	7	110	74.5	20	140	155
M1342 M1352	410	340	60	490	450	315	17.6	220	110	480	231	615	516	33	90 m6	170	5	140	95	25	140	155
M1442 M1452	500	380	70	590	530	355	23.6	260	150	535	268	680	581	39	100 m6	210	10	180	116	28	140	155
M1642 M1652	580	500	80	670	660	425	42.2	270	160	760	335	805	675	39	120 m6	210	5	200	127	32	230	240

Size	Series M Models																							
	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		
63	183	124	426	441	494	507	504	517	525	538	562	575	652	682	732	762	-	869	-	986	-	1101	-	
71	210	140	430	445	498	511	508	521	529	542	566	579	658	686	738	766	-	875	-	992	-	1107	-	
80	237	158	443	458	511	524	521	534	542	555	579	592	676	699	756	779	878	893	995	1010	1110	1125	1518	1571
90S	247	180	453	468	521	534	531	544	552	565	589	602	686	709	766	789	888	903	1005	1020	1120	1135	1518	1571
90L	272	180	453	468	521	534	531	544	552	565	589	602	686	709	766	789	888	903	1005	1020	1120	1135	1518	1571
100L	306	198	461	476	529	542	539	552	560	573	597	610	713	717	793	797	900	930	1017	1047	1132	1162	1524	1577
112M	329	222	461	476	529	542	539	552	560	573	597	610	713	717	793	797	900	930	1017	1047	1132	1162	1524	1577
132S	357	262	-	-	-	-	-	-	-	-	-	-	713	-	793	-	922	930	1039	1047	1154	1162	1524	1577
132M	395	262	-	-	-	-	-	-	-	-	-	-	713	-	793	-	922	930	1039	1047	1154	1162	1524	1577
160M	466	311	-	-	-	-	-	-	-	-	-	-	-	-	-	930	-	1047	-	1162	-	1559	1607	
160L	510	311	-	-	-	-	-	-	-	-	-	-	-	-	-	930	-	1047	-	1162	-	1559	1607	
180M	533	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1559	-	
180L	571	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1559	-	
200L	650	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1559	-	
225S	695	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1559	-	

SERIES M

DIMENSIONS - BASE MOUNTED UNITS WITH INTEGRAL MOTOR

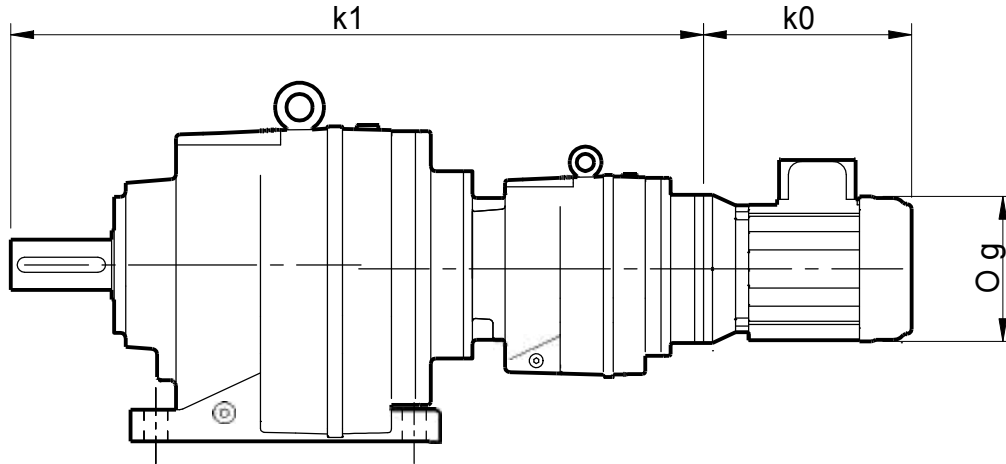


Size	M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822			
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	
0.25 kW	140	175	230	206	230	206	230	-	-	-	-	-	-	-	-	-	-	-
0.37 kW	140	175	230	206	230	206	230	-	-	-	-	-	-	-	-	-	-	-
0.55 kW	160	175	280	206	280	206	280	258	265	268	265	289	265	-	-	-	-	-
0.75 kW	160	175	300	206	300	206	300	258	285	268	285	289	285	-	-	-	-	-
1.1 kW	180	175	330	206	330	206	330	258	315	268	315	289	315	325	300	-	-	-
1.5 kW	180	175	365	206	365	206	365	258	350	268	350	289	350	325	335	-	-	-
2.2 kW	200	-	-	-	-	-	-	258	355	268	355	289	355	325	340	395	335	-
3.0 kW	200	-	-	-	-	-	-	258	365	268	365	289	365	325	350	395	350	-
4.0 kW	225	-	-	-	-	-	-	258	424	268	424	289	424	325	410	395	400	-
5.5 kW	260	-	-	-	-	-	-	258	495	268	495	289	495	325	480	395	475	-
7.5 kW	260	-	-	-	-	-	-	-	-	-	-	-	-	325	480	395	475	-

Size	g	M0132		M0232		M0332		M0432		M0532		M0632		M0732		M0832		M0932	
		k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.25 kW	140	190	230	219	230	219	230	266	230	276	230	297	230	-	-	-	-	-	-
0.37 kW	140	190	230	219	230	219	230	266	230	276	230	297	230	-	-	-	-	-	-
0.55 kW	160	190	280	219	280	219	280	266	280	276	280	297	280	341	265	-	-	-	-
0.75 kW	160	190	300	219	300	219	300	266	300	276	300	297	300	341	285	-	-	-	-
1.1 kW	180	190	330	219	330	219	330	266	330	276	330	297	330	341	315	425	300	-	-
1.5 kW	180	190	365	219	365	219	365	266	365	276	365	297	365	341	350	425	335	-	-
2.2 kW	200	-	-	-	-	-	-	-	-	-	-	-	-	341	355	425	340	494	335
3.0 kW	200	-	-	-	-	-	-	-	-	-	-	-	-	341	365	425	350	494	350
4.0 kW	225	-	-	-	-	-	-	-	-	-	-	-	-	341	424	425	410	494	400
5.5 kW	260	-	-	-	-	-	-	-	-	-	-	-	-	341	495	425	480	494	475
7.5 kW	260	-	-	-	-	-	-	-	-	-	-	-	-	-	425	480	494	475	-

SERIES M

DIMENSIONS - BASE MOUNTED UNITS WITH INTEGRAL MOTOR

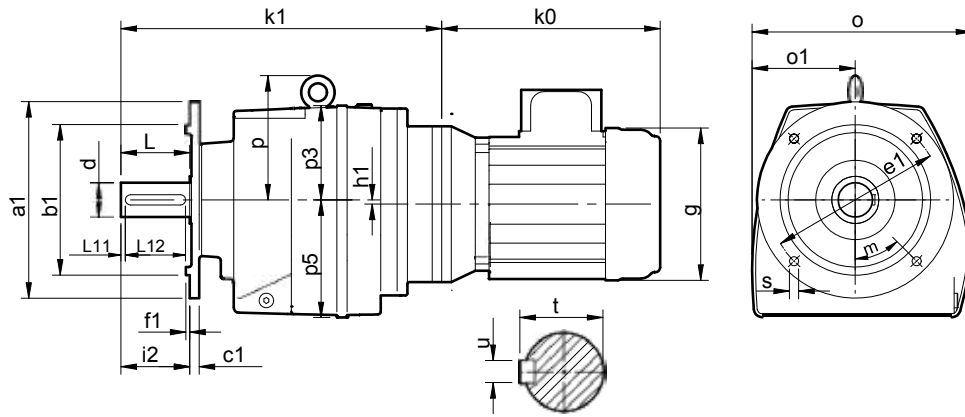


Size	M0342		M0442		M0542		M0642		M0742		M0842		M0941		M1041		M1341		M1441			
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	
0.25 kW	140	392	230	460	230	470	230	491	230	528	230	-	-	-	-	-	-	-	-	-	-	-
0.37 kW	140	392	230	460	230	470	230	491	230	528	230	-	-	-	-	-	-	-	-	-	-	-
0.55 kW	158	392	280	460	280	470	280	491	280	528	280	640	265	720	265	-	-	-	-	-	-	-
0.75 kW	158	392	300	460	300	470	300	491	300	528	300	640	285	720	285	-	-	-	-	-	-	-
1.1 kW	180	-	-	-	-	-	-	-	-	-	-	640	315	720	315	841	300	958	300	1073	300	
1.5 kW	180	-	-	-	-	-	-	-	-	-	-	640	350	720	350	841	335	958	335	1073	335	
2.2 kW	198	-	-	-	-	-	-	-	-	-	-	640	355	720	355	841	340	958	340	1073	340	
3.0 kW	198	-	-	-	-	-	-	-	-	-	-	640	365	720	365	841	350	958	350	1073	350	
4.0 kW	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	841	410	958	410	1073	410	
5.5 kW	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	841	480	958	480	1073	480	
7.5 kW	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	841	480	958	480	1073	480	

Size	M0352		M0452		M0552		M0652		M0752		M0852		M0951		M1051		M1351		M1451		M1651			
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	
0.25 kW	140	407	230	473	230	483	230	504	230	541	230	648	230	728	230	-	-	-	-	-	-	-	-	-
0.37 kW	140	407	230	473	230	483	230	504	230	541	230	648	230	728	230	-	-	-	-	-	-	-	-	-
0.55 kW	158	407	280	473	280	483	280	504	280	541	280	648	280	728	280	857	265	974	265	1089	265	-	-	-
0.75 kW	158	407	300	473	300	483	300	504	300	541	300	648	300	728	300	857	285	974	285	1089	285	-	-	-
1.1 kW	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	857	315	974	315	1089	315	-	-	-
1.5 kW	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	857	350	974	350	1089	350	-	-	-
2.2 kW	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	857	355	974	355	1089	355	1482	335	
3.0 kW	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	857	365	974	365	1089	365	1482	350	
4.0 kW	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1482	400	
5.5 kW	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1482	475	
7.5 kW	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1482	475	



SERIES M DIMENSIONS - FLANGE MOUNTED DOUBLE/ TRIPLE REDUCTION

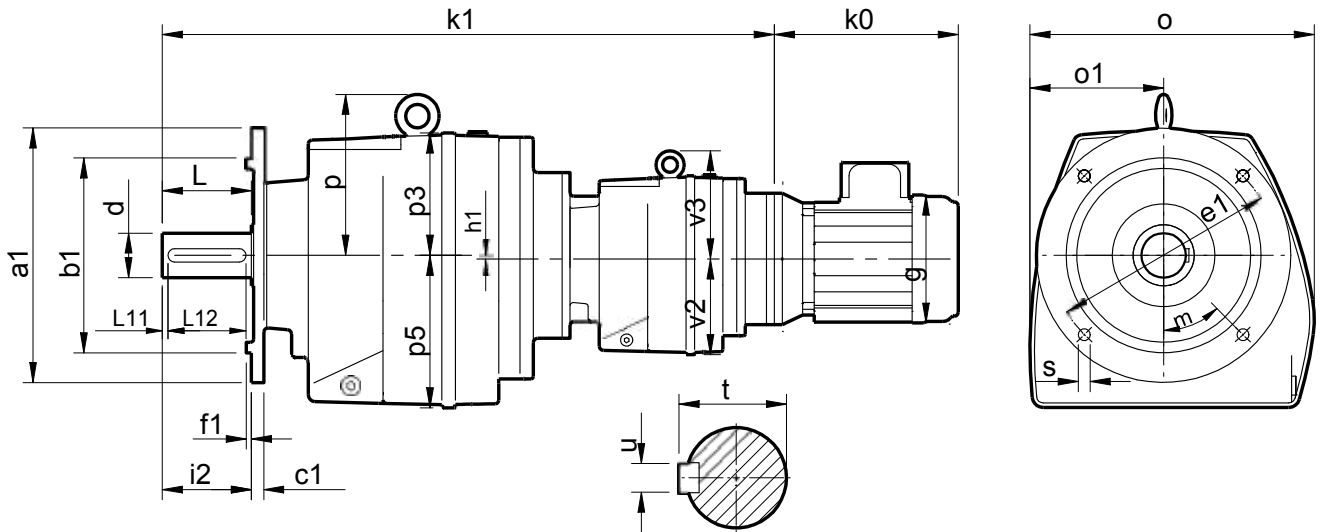


Size	a1	b1	c1	e1	f1	s	m	h1	i2	o	o1	p	p3	p5	d	L	L11	L12	t	u
M0122	120	80	10	100	3	4 x 9	45°	0	40	152	76	-	74	76	20 k6	40	4	32	23	6
	140	95	10	115	3	4 x 9														
	160	110	10	130	3.5	4 x 9														
M0222	120	80	10	100	3	4 x 9	45°	0	50	170	84	-	90	91	25 k6	50	4	40	28	8
	140	95	10	115	3	4 x 9														
	160	110	10	130	3.5	4 x 9														
M0322	120	80	10	100	3	4 x 9	45°	0	50	170	84	-	90	91	25 k6	50	4	40	28	8
	140	95	10	115	3	4 x 9														
	160	110	10	130	3.5	4 x 9														
M0422	140	95	11	115	3	4 x 9	45°	0	60	204	97	-	93	115	30 k6	60	4	50	33	8
	160	110	11	130	3.5	4 x 9														
	200	130	11	165	3.5	4 x 11														
M0522	140	95	11	115	3	4 x 9	45°	0	70	204	97	-	93	115	35 k6	70	7	60	38	10
	160	110	11	130	3.5	4 x 9														
	200	130	11	165	3.5	4 x 11														
M0622	200	130	11	165	3.5	4 x 11	45°	14.5	70	220	110	116	84	130	35 k6	70	7	60	38	10
	250	180	11	215	4	4 x 13														
	300	230	11	265	4	4 x 13														
M0722	200	130	11	165	3.5	4 x 11	45°	0	80	252	119	155	110	140	40 k6	80	5	70	43	12
	250	180	11	215	4	4 x 13														
	300	230	11	265	4	4 x 13														
M0822	300	230	17	265	4	4 x 13	45°	0	100	320	167	180	130	182	50 k6	100	10	80	54	14
	350	250	17	300	5	4 x 18														
M0922	350	250	18	300	5	4 x 18	45°	0	120	375	176	240	170	230	60 m6	120	5	110	64	18
M0932	450	350	22	400	5	8 x 18	22.5°													
M1022	350	250	18	300	5	4 x 18	45°	0	140	435	206	274	196	255	70 m6	140	7	110	75	20
	M1032	450	350	22	400	5														
M1322	450	350	22	400	5	8 x 18	22.5°	17.6	170	480	231	300	202	310	90 m6	170	5	140	95	25
	M1332	550	450	25	500															
M1422	450	350	22	400	5	8 x 18	22.5°	23.6	210	535	268	325	226	350	100 m6	210	10	180	116	28
	M1432	550	450	25	500															
M1622	550	450	25	500	5	8 x 18	22.5°	42.2	210	760	335	380	250	415	120 m6	210	5	200	127	32
	M1632	660	550	28	600															

Size	Series M																											
	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		
63	183	124	209	224	240	253	240	253	270	300	280	310	301	331	-	353	-	-	-	-	-	-	-	-	-	-		
71	210	140	213	228	244	257	244	257	276	304	286	314	307	335	-	359	-	-	-	-	-	-	-	-	-	-		
80	237	158	226	241	257	270	257	270	294	317	304	327	325	348	362	377	477	462	522	575	-	640	-	-	-	-		
90S	247	180	236	251	267	280	267	280	304	327	314	337	335	358	372	387	477	472	522	575	-	640	-	-	-	-		
90L	272	180	236	251	267	280	267	280	304	327	314	337	335	358	372	387	477	472	522	575	-	640	-	-	-	-		
100L	306	198	244	259	275	288	275	288	331	335	341	345	362	366	384	414	483	484	528	581	596	646	713	718	828	836	-	993
112M	329	222	244	259	275	288	275	288	331	335	341	345	362	366	384	414	483	484	528	581	596	646	713	718	828	836	-	993
132S	357	262	-	-	-	-	-	-	331	-	341	-	362	-	406	414	483	506	528	581	596	646	713	718	828	836	-	993
132M	395	262	-	-	-	-	-	-	331	-	341	-	362	-	406	414	483	506	528	581	596	646	713	718	828	836	-	993
160M	466	311	-	-	-	-	-	-	-	-	-	-	-	-	414	-	513	514	563	611	631	681	706	753	821	871	-	986
160L	510	311	-	-	-	-	-	-	-	-	-	-	-	-	414	-	513	514	563	611	631	681	706	753	821	871	-	986
180M	533	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	563	-	631	681	706	753	821	871	1106	986	
180L	571	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	563	-	631	681	706	753	821	871	1106	986	
200L	650	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	563	-	631	681	706	753	821	871	1106	986	
225S	695	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	590	-	658	708	733	780	848	898	1136	1013	
225M	695	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	590	-	658	708	733	780	848	898	1136	1013	
250M	790	485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	905	-	1020	-	1136	1185	
280S	890	540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	905	-	1020	-	1136	1185	
280M	890	540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	905	-	1020	-	1136	1185	
315S	1045	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1166	-	
315M	1045	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1166	-	

SERIES M

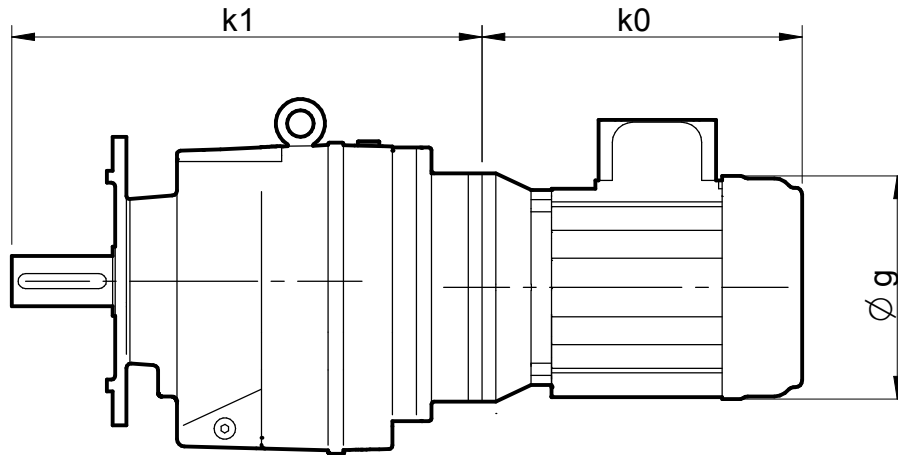
DIMENSIONS - FLANGE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION



Size	a1	b1	c1	e1	f1	s	m	h1	i2	o	o1	p	p3	p5	d	L	L11	L12	t	u	v2	v3
M0342	120	80	10	100	3	4 x 9	45°	0	50	170	84	-	90	91	25 k6	50	4	40	28	8	76	74
M0352	140	95	10	115	3	4 x 9																
	160	110	10	130	3.5	4 x 9																
	200	130	10	165	3.5	4 x 11																
M0432	140	95	11	115	3	4 x 9	45°	0	60	204	97	-	93	115	30 k6	60	4	50	33	8	91	90
M0452	160	110	11	130	3.5	4 x 9																
	200	130	11	165	3.5	4 x 11																
	250	180	11	215	4	4 x 13																
M0542	140	95	11	115	3	4 x 9	45°	0	70	204	97	-	93	115	35 k6	70	7	60	38	10	91	90
M0552	160	110	11	130	3.5	4 x 9																
	200	130	11	165	3.5	4 x 11																
	250	180	11	215	4	4 x 13																
M0642	200	130	11	165	3.5	4 x 11	45°	14.5	70	220	110	116	84	130	35 k6	70	7	60	38	10	91	90
M0652	250	180	11	215	4	4 x 13																
	300	230	11	265	4	4 x 13																
	300	230	11	265	4	4 x 13																
M0742	200	130	11	165	3.5	4 x 11	45°	0	80	252	119	155	110	140	40 k6	80	5	70	43	12	91	90
M0752	250	180	11	215	4	4 x 13																
	300	230	11	265	4	4 x 13																
	300	230	11	265	4	4 x 13																
M0842	300	230	17	265	4	4 x 13	45°	0	100	320	167	180	130	182	50 k6	100	10	80	53.5	14	115	93
M0852	350	250	17	300	5	4 x 18																
M0942	350	250	18	300	5	4 x 18	45°	0	120	375	176	240	170	230	60 m6	120	5	110	64	18	115	93
M0952	450	350	22	400	5	8 x 18																
M1042	350	250	18	300	5	4 x 18	45°	0	140	435	206	274	196	255	70 m6	140	7	110	74.5	20	140	155
M1052	450	350	22	400	5	8 x 18																
M1342	450	350	22	400	5	8 x 18	22.5°	17.6	170	480	231	300	202	310	90 m6	170	5	140	95	25	140	155
M1352	550	450	25	500	5	8 x 18																
M1442	450	350	22	400	5	8 x 18	22.5°	23.6	210	535	268	325	226	350	100 m6	210	10	180	116	28	140	155
M1452	550	450	25	500	5	8 x 18																
M1642	550	450	25	500	5	8 x 18	22.5°	42.2	210	760	335	380	250	415	120 m6	210	5	200	127	32	230	240
M1652	660	550	28	600	6	8 x 22																

Size	M0342 M0352 M0442 M0452 M0542 M0552 M0642 M0652 M0742 M0752 M0842 M0852 M0942 M0952 M1042 M1052 M1342 M1352 M1442 M1452 M1642 M1652																							
	k0	g	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1	k1		
63	183	124	426	441	494	507	504	517	525	538	562	575	652	682	732	762	-	869	-	986	-	1101	-	
71	210	140	430	445	498	511	508	521	529	542	566	579	658	686	738	766	-	875	-	992	-	1107	-	
80	237	158	443	458	511	524	521	534	542	555	579	592	676	699	756	779	878	893	995	1010	1110	1125	1518	1571
90S	247	180	453	468	521	534	531	544	552	565	589	602	686	709	766	789	888	903	1005	1020	1120	1135	1518	1571
90L	272	180	453	468	521	534	531	544	552	565	589	602	686	709	766	789	888	903	1005	1020	1120	1135	1518	1571
100L	306	198	461	476	529	542	539	552	560	573	597	610	713	717	793	797	900	930	1017	1047	1132	1162	1524	1577
112M	329	222	461	476	529	542	539	552	560	573	597	610	713	717	793	797	900	930	1017	1047	1132	1162	1524	1577
132S	357	262	-	-	-	-	-	-	-	-	-	-	713	-	793	-	922	930	1039	1047	1154	1162	1524	1577
132M	395	262	-	-	-	-	-	-	-	-	-	-	713	-	793	-	922	930	1039	1047	1154	1162	1524	1577
160M	466	311	-	-	-	-	-	-	-	-	-	-	-	-	-	930	-	1047	-	1162	-	1559	1607	
160L	510	311	-	-	-	-	-	-	-	-	-	-	-	-	-	930	-	1047	-	1162	-	1559	1607	
180M	533	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1559	-	
180L	571	336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1559	-	
200L	650	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1559	-	
225S	695	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1559	-	
225M	695	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1607	-	

DIMENSIONS - FLANGE MOUNTED UNITS WITH INTEGRAL MOTOR

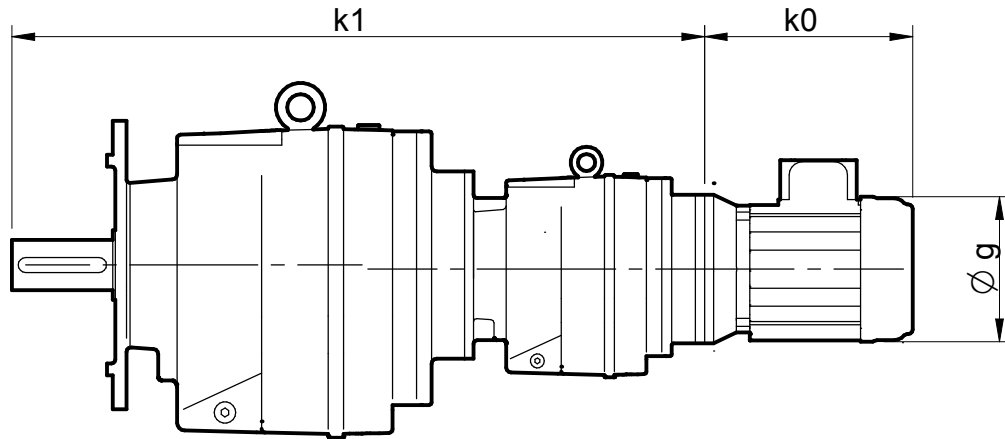


Size	g	M0122		M0222		M0322		M0422		M0522		M0622		M0722		M0822	
		k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.25 kW	140	175	223	206	223	206	223	-	-	-	-	-	-	-	-	-	-
0.37 kW	140	175	223	206	223	206	223	-	-	-	-	-	-	-	-	-	-
0.55 kW	160	175	277	206	277	206	277	258	262	268	262	289	262	-	-	-	-
0.75 kW	160	175	297	206	297	206	297	258	282	268	282	289	282	-	-	-	-
1.1 kW	180	175	307	206	307	206	307	258	292	268	292	289	292	325	278	-	-
1.5 kW	180	175	363	206	363	206	363	258	348	268	348	289	348	325	334	-	-
2.2 kW	200	-	-	-	-	-	-	258	354	268	354	289	354	325	340	395	332
3.0 kW	200	-	-	-	-	-	-	258	364	268	364	289	364	325	350	395	342
4.0 kW	225	-	-	-	-	-	-	258	424	268	424	289	424	325	410	395	401
5.5 kW	260	-	-	-	-	-	-	258	495	268	495	289	495	325	481	395	472
7.5 kW	260	-	-	-	-	-	-	-	-	-	-	-	-	325	481	395	472

Size	g	M0132		M0232		M0332		M0432		M0532		M0632		M0732		M0832		M0932	
		k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.25 kW	140	190	223	219	223	219	223	266	223	276	223	297	223	-	-	-	-	-	-
0.37 kW	140	190	223	219	223	219	223	266	223	276	223	297	223	-	-	-	-	-	-
0.55 kW	160	190	277	219	277	219	277	266	277	276	277	297	277	341	262	-	-	-	-
0.75 kW	160	190	297	219	297	219	297	266	297	276	297	297	297	341	282	-	-	-	-
1.1 kW	180	190	307	219	307	219	307	266	307	276	307	297	307	341	292	425	278	-	-
1.5 kW	180	190	363	219	363	219	363	266	363	276	363	297	363	341	348	425	334	-	-
2.2 kW	200	-	-	-	-	-	-	-	-	-	-	-	-	341	354	425	340	494	332
3.0 kW	200	-	-	-	-	-	-	-	-	-	-	-	-	341	364	425	350	494	342
4.0 kW	225	-	-	-	-	-	-	-	-	-	-	-	-	341	424	425	410	494	401
5.5 kW	260	-	-	-	-	-	-	-	-	-	-	-	-	341	495	425	481	494	472
7.5 kW	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	425	481	494	472

SERIES M

DIMENSIONS - FLANGE MOUNTED UNITS WITH INTEGRAL MOTOR



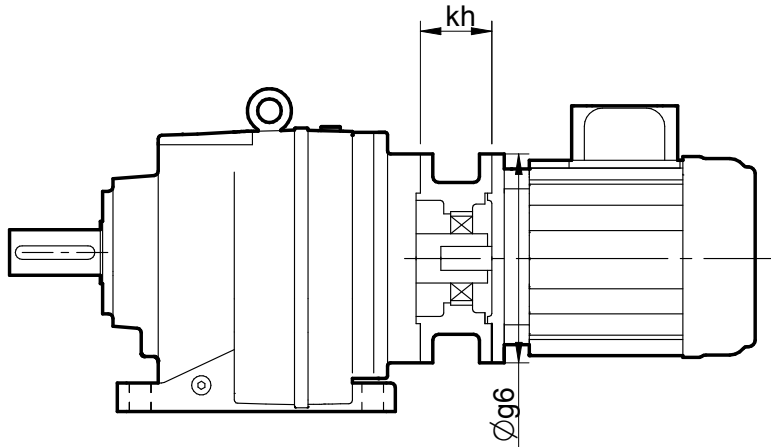
Size	M0342		M0442		M0542		M0642		M0742		M0842		M0941		M1041		M1341		M1441		
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.25 kW	140	392	223	460	223	470	223	491	223	528	223	-	-	-	-	-	-	-	-	-	-
0.37 kW	140	392	223	460	223	470	223	491	223	528	223	-	-	-	-	-	-	-	-	-	-
0.55 kW	158	392	277	460	277	470	277	491	277	528	277	640	262	720	265	-	-	-	-	-	-
0.75 kW	158	392	297	460	297	470	297	491	297	528	297	640	282	720	285	-	-	-	-	-	-
1.1 kW	180	-	-	-	-	-	-	-	-	-	-	640	292	720	315	841	300	958	300	1073	300
1.5 kW	180	-	-	-	-	-	-	-	-	-	-	640	348	720	350	841	335	958	335	1073	335
2.2 kW	198	-	-	-	-	-	-	-	-	-	-	640	354	720	355	841	340	958	340	1073	340
3.0 kW	198	-	-	-	-	-	-	-	-	-	-	640	364	720	365	841	350	958	350	1073	350
4.0 kW	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	841	410	958	410	1073	410
5.5 kW	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	841	480	958	480	1073	480
7.5 kW	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	841	480	958	480	1073	480

Size	M0352		M0452		M0552		M0652		M0752		M0852		M0951		M1051		M1351		M1451		M1651		
	g	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0	k1	k0
0.25 kW	140	407	223	473	223	483	223	504	223	541	223	648	223	728	230	-	-	-	-	-	-	-	-
0.37 kW	140	407	223	473	223	483	223	504	223	541	223	648	223	728	230	-	-	-	-	-	-	-	-
0.55 kW	158	407	277	473	277	483	277	504	277	541	277	648	277	728	280	857	265	974	265	1089	265	-	-
0.75 kW	158	407	297	473	297	483	297	504	297	541	297	648	297	728	300	857	285	974	285	1089	285	-	-
1.1 kW	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	857	315	974	315	1089	315	-	-
1.5 kW	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	857	350	974	350	1089	350	-	-
2.2 kW	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	857	355	974	355	1089	355	1482	335
3.0 kW	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	857	365	974	365	1089	365	1482	350
4.0 kW	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1482	400
5.5 kW	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1482	475
7.5 kW	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1482	475

MOTORISED BACKSTOP MODULE

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

Suitable for ambient temperature -40°C to + 50°C



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 rev/min	Rated locking torque 'T max' (at motor) Nm	øg6	kh
100	670	170	250	70
112	670	170	250	70
132	620	940	300	95
160	620	940	350	130
180	620	940	350	130
200	550	1260	400	130

NEMA C Flange

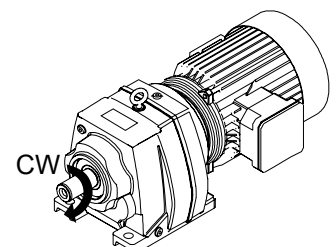
Motor Frame Size	Lift off speed 'n' min rev/min	Rated locking torque 'T max' (at motor) Nm	øg6	kh
182TC / 184TC	670	300	228	95.25
213TC / 215 TC	670	300	228	95.25
254TC / 256TC	620	940	228	120.65
284TC / 286TC	620	940	280	136.5
324TC / 326TC	550	1260	330	152.4

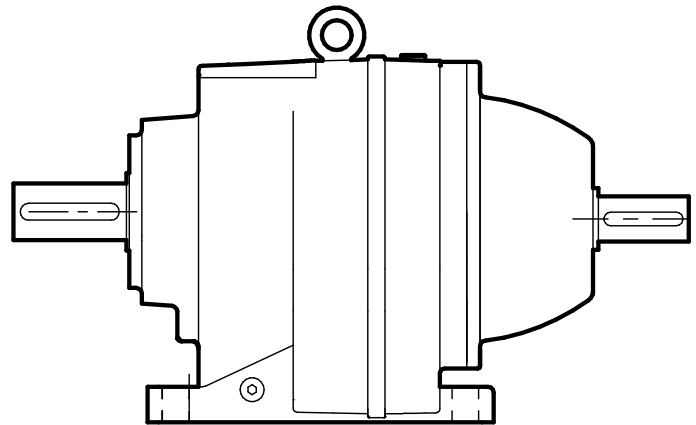
When a backstop module is fitted dimension K1 should be added to the overall length of the geared motor assembly.

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 (NEWTONS) ON SHAFTS

Maximum Permissible Overhung Loads

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

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

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

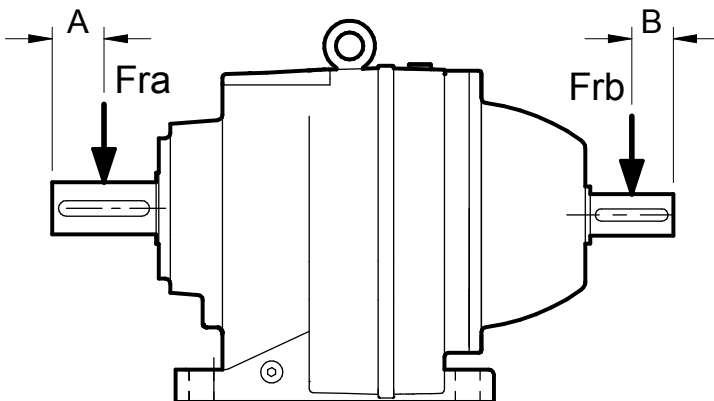
Overhung load (Newtons)

$$P = \frac{kW \times 9,500,000 \times K}{N \times R}$$

where

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

Note: 1 Newton = 0.101972 kp = 0.227809 lbf.



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

Axial Thrust Capacities (Newtons)

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 (Kn) 1450 rpm

Two, Three, Four and Five Stage Units

	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	M13	M14	M16
2 Stage	1.5	1.65	1.56	1.2	1.1	0.9	1.65	1.5	1.5	2.55	6.9	7.1	12
3 Stage	1.65	1.75	1.75	1.5	1.5	1.5	1.8	2.25	3.5	4.2	12	12	12
4 Stage	-	-	1.5	1.5	1.5	1.5	1.5	1.75	1.75	2.25	2.25	2.25	2.25
5 Stage	-	-	1.5	1.5	1.5	1.5	1.5	1.75	1.75	2.25	2.25	2.25	2.25

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 (mm)	Dimensions B (mm)
M01	2 - 3	20	20
M02	2 - 3	25	20
M03	2 - 5	25	20
M04	2 - 5	30	20
M05	2 - 5	35	20
M06	2 - 5	35	20
M07	2	40	25
	3	40	20
	4 - 5	40	20
M08	2	50	30
	3	50	25
	4 - 5	50	20
M09	2	60	40
	3	60	30
	4 - 5	60	20
M10	2	70	55
	3	70	40
	4	70	25
	5	70	20
M13	2 - 3	85	55
	4	85	25
	5	85	20
M14	2 - 3	105	55
	4	105	25
	5	105	20
M16	2	105	70
	3	105	55
	4	105	40
	5	105	30



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M0122	3.6	3.750	387	59	2.44	1.24	256	68	1.86	1.35	773	47	3.88	1.11	193	73	1.51	1.44
	5.0	5.066	286	68	2.08	1.32	189	76	1.54	1.44	572	54	3.30	1.15	143	79	1.21	1.46
	5.6	5.762	252	71	1.91	1.36	167	78	1.39	1.48	503	57	3.07	1.18	126	82	1.10	1.49
	6.3	6.528	222	75	1.78	1.39	147	80	1.26	1.52	444	60	2.85	1.20	111	84	1.00	1.59
	8.0	8.348	174	79	1.47	1.47	115	85	1.04	1.66	347	66	2.45	1.27	87	90	0.84	1.68
	9.0	8.997	161	80	1.38	1.49	107	87	0.99	1.71	322	67	2.31	1.29	81	90	0.77	1.77
	11.	11.36	128	84	1.15	1.59	85	90	0.81	1.81	255	74	2.02	1.35	64	90	0.61	1.84
	12.	12.88	113	87	1.05	1.68	75	90	0.72	1.83	225	77	1.85	1.39	56	90	0.54	1.90
	14.	14.71	99	90	0.95	1.77	65	90	0.63	1.85	197	80	1.69	1.43	49	90	0.47	1.90
	16.	16.37	89	90	0.85	1.84	59	90	0.56	1.90	177	81	1.53	1.46	44	90	0.43	1.90
	18.	18.05	80	90	0.77	1.90	53	90	0.51	1.90	161	83	1.42	1.49	40	90	0.39	1.90
	20.	19.86	73	90	0.70	1.90	48	90	0.46	1.90	146	84	1.31	1.53	37	90	0.35	1.90
	22.	23.27	62	90	0.60	1.90	41	90	0.40	1.90	125	86	1.15	1.61	31	90	0.30	1.90
	28.	27.92	52	90	0.50	1.90	34	90	0.33	1.90	104	90	1.00	1.73	26	90	0.25	1.90
	32.	32.54	45	90	0.43	1.90	30	90	0.28	1.90	89	90	0.86	1.84	22	90	0.21	1.90
	36.	36.16	40	90	0.39	1.90	27	90	0.26	1.90	80	90	0.77	1.87	20	90	0.19	1.90
	45.	43.54	33	84	0.30	1.90	22	84	0.20	1.90	67	84	0.60	1.90	17	84	0.15	1.90
	50.	49.91	29	72	0.22	1.90	19	72	0.15	1.90	58	72	0.45	1.90	15	72	0.11	1.90
56.	56.72	26	71	0.19	1.90	17	71	0.13	1.90	51	71	0.39	1.90	13	71	0.10	1.90	
M0132	56.	58.46	25	90	0.24	1.90	16	90	0.16	1.90	50	90	0.48	1.90	12	90	0.12	1.90
	63.	64.45	22	90	0.22	1.90	15	90	0.14	1.90	45	90	0.44	1.90	11	90	0.11	1.90
	71.	70.93	20	90	0.20	1.90	14	90	0.13	1.90	41	90	0.40	1.90	10	90	0.10	1.90
	80.	83.10	17	90	0.17	1.90	12	90	0.11	1.90	35	90	0.34	1.90	8.7	90	0.08	1.90
	100	99.70	15	90	0.14	1.90	10	90	0.09	1.90	29	90	0.28	1.90	7.3	90	0.07	1.90
	112	116.2	12	90	0.12	1.90	8.3	90	0.08	1.90	25	90	0.24	1.90	6.2	90	0.06	1.90
	125	129.1	11	90	0.11	1.90	7.4	90	0.07	1.90	22	90	0.22	1.90	5.6	90	0.05	1.90
	160	155.5	9.3	90	0.09	1.90	6.2	90	0.06	1.90	19	90	0.18	1.90	4.7	90	0.05	1.90
	180	178.2	8.1	90	0.08	1.90	5.4	90	0.05	1.90	16	90	0.16	1.90	4.1	90	0.04	1.90
	200	202.6	7.2	90	0.07	1.90	4.7	90	0.05	1.90	14	90	0.14	1.90	3.6	90	0.03	1.90
M0222	3.6	3.589	404	100	4.32	3.16	267	115	3.29	3.19	808	79	6.82	2.81	202	126	2.72	2.81
	5.0	5.034	288	116	3.57	3.08	191	131	2.67	3.11	576	92	5.66	3.12	144	137	2.11	3.25
	5.6	5.547	261	121	3.38	3.06	173	134	2.48	3.08	523	96	5.36	3.09	131	140	1.96	3.29
	6.3	6.299	230	127	3.12	3.03	152	138	2.25	3.13	460	101	4.97	3.04	115	145	1.78	3.39
	8.0	8.000	181	136	2.63	2.98	120	145	1.86	3.26	363	111	4.30	2.95	91	154	1.49	3.70
	9.0	9.088	160	140	2.39	3.02	106	150	1.69	3.45	319	116	3.96	2.95	80	159	1.36	3.96
	11.	11.15	130	145	2.01	3.15	86	158	1.45	3.77	260	125	3.47	2.94	65	160	1.11	4.00
	12.	12.37	117	148	1.85	3.23	78	160	1.33	4.00	234	130	3.26	2.92	59	160	1.00	4.00
	14.	14.05	103	153	1.69	3.42	68	160	1.17	4.00	206	136	3.00	2.91	52	160	0.88	4.00
	16.	15.97	91	160	1.55	3.63	60	160	1.03	4.00	182	141	2.74	2.83	45	160	0.78	4.00
	18.	17.58	82	160	1.41	3.88	55	160	0.93	4.00	165	142	2.50	2.91	41	160	0.71	4.00
	20.	20.23	72	160	1.23	4.00	47	160	0.81	4.00	143	145	2.22	3.00	36	160	0.61	4.00
	22.	21.99	66	160	1.13	4.00	44	160	0.75	4.00	132	147	2.07	3.05	33	160	0.56	4.00
	28.	26.40	55	160	0.94	4.00	36	160	0.62	4.00	110	153	1.80	3.26	27	160	0.47	4.00
	32.	31.68	46	160	0.78	4.00	30	160	0.52	4.00	92	160	1.56	3.61	23	160	0.39	4.00
	36.	35.69	41	160	0.69	4.00	27	160	0.46	4.00	81	160	1.39	3.92	20	160	0.35	4.00
45.	41.49	35	160	0.60	4.00	23	160	0.40	4.00	70	160	1.19	4.00	17	160	0.30	4.00	
50.	47.09	31	160	0.53	4.00	20	160	0.35	4.00	62	160	1.05	4.00	15	160	0.26	4.00	
56.	53.54	27	160	0.46	4.00	18	160	0.31	4.00	54	160	0.93	4.00	14	160	0.23	4.00	
M0232	56.	57.03	25	160	0.44	4.00	17	160	0.29	4.00	51	160	0.88	4.00	13	160	0.22	4.00
	63.	62.87	23	160	0.40	4.00	15	160	0.26	4.00	46	160	0.80	4.00	12	160	0.20	4.00
	71.	69.19	21	160	0.36	4.00	14	160	0.24	4.00	42	160	0.72	4.00	10	160	0.18	4.00
	80.	81.07	18	160	0.31	4.00	12	160	0.20	4.00	36	160	0.62	4.00	8.9	160	0.15	4.00
	100	97.26	15	160	0.26	4.00	10	160	0.17	4.00	30	160	0.52	4.00	7.5	160	0.13	4.00
	112	113.4	13	160	0.22	4.00	8.5	160	0.15	4.00	26	160	0.44	4.00	6.4	160	0.11	4.00
	125	126.0	12	160	0.20	4.00	7.6	160	0.13	4.00	23	160	0.40	4.00	5.8	160	0.10	4.00
	160	151.7	10	160	0.17	4.00	6.3	160	0.11	4.00	19	160	0.33	4.00	4.8	160	0.08	4.00
180	173.9	8.3	160	0.14	4.00	5.5	160	0.10	4.00	17	160	0.29	4.00	4.2	160	0.07	4.00	
200	197.6	7.3	160	0.13	4.00	4.9	160	0.08	4.00	15	160	0.25	4.00	3.7	160	0.06	4.00	



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M0322	3.6	3.589	404	118	5.09	2.64	267	134	3.83	2.64	808	96	8.29	2.49	202	146	3.15	2.65
	5.0	5.034	288	135	4.15	2.51	191	153	3.12	2.52	576	110	6.77	2.59	144	167	2.57	2.51
	5.6	5.547	261	140	3.91	2.49	173	159	2.94	2.48	523	114	6.37	2.55	131	173	2.42	2.46
	6.3	6.299	230	147	3.62	2.44	152	167	2.72	2.43	460	120	5.90	2.49	115	182	2.24	2.46
	8.0	8.000	181	161	3.12	2.37	120	182	2.33	2.39	363	130	5.04	2.38	91	196	1.90	2.83
	9.0	9.088	160	168	2.86	2.34	106	190	2.14	2.59	319	136	4.64	2.37	80	207	1.76	3.04
	11.	11.15	130	179	2.49	2.34	86	203	1.87	2.91	260	146	4.06	2.34	65	210	1.46	3.34
	12.	12.37	117	186	2.33	2.43	78	209	1.73	3.09	234	151	3.78	2.32	59	210	1.32	3.24
	14.	14.05	103	194	2.14	2.62	68	210	1.53	3.31	206	158	3.48	2.29	52	210	1.16	3.14
	16.	15.97	91	205	1.99	2.83	60	210	1.35	3.28	182	166	3.22	2.20	45	210	1.02	3.03
	18.	17.58	82	208	1.83	2.98	55	210	1.23	3.18	165	169	2.98	2.25	41	210	0.93	3.03
	20.	20.23	72	210	1.61	3.22	47	210	1.06	3.05	143	175	2.68	2.28	36	210	0.80	3.03
	22.	21.99	66	210	1.48	3.35	44	210	0.98	3.03	132	182	2.56	2.33	33	210	0.74	3.03
	28.	26.40	55	210	1.23	3.19	36	210	0.82	3.03	110	193	2.27	2.52	27	210	0.62	3.03
	32.	31.68	46	210	1.03	3.03	30	210	0.68	3.03	92	205	2.01	2.81	23	210	0.51	3.03
	36.	35.69	41	210	0.91	3.06	27	210	0.60	3.03	81	209	1.81	3.01	20	210	0.46	3.03
	45.	41.49	35	200	0.75	3.64	23	206	0.51	3.64	70	188	1.40	3.20	17	210	0.39	3.64
	50.	47.09	31	203	0.67	4.00	20	208	0.45	4.00	62	192	1.26	4.00	15	208	0.34	4.00
56.	53.54	27	206	0.60	4.00	18	206	0.39	4.00	54	205	1.19	4.00	14	210	0.30	4.00	
M0332	56.	57.03	25	210	0.58	4.00	17	210	0.38	4.00	51	210	1.15	4.00	13	210	0.29	4.00
	63.	62.87	23	210	0.52	4.00	15	210	0.35	4.00	46	210	1.05	4.00	12	210	0.26	4.00
	71.	69.19	21	210	0.48	4.00	14	210	0.31	4.00	42	210	0.95	4.00	10	210	0.24	4.00
	80.	81.07	18	210	0.41	4.00	12	210	0.27	4.00	36	210	0.81	4.00	8.9	210	0.20	4.00
	100	97.26	15	210	0.34	4.00	10	210	0.22	4.00	30	210	0.68	4.00	7.5	210	0.17	4.00
	112	113.4	13	210	0.29	4.00	8.5	210	0.19	4.00	26	210	0.58	4.00	6.4	210	0.14	4.00
	125	126.0	12	210	0.26	4.00	7.6	210	0.17	4.00	23	210	0.52	4.00	5.8	210	0.13	4.00
	160	151.7	10	210	0.22	4.00	6.3	210	0.14	4.00	19	210	0.43	4.00	4.8	210	0.11	4.00
	180	173.9	8.3	210	0.19	4.00	5.5	210	0.13	4.00	17	210	0.38	4.00	4.2	210	0.09	4.00
	200	197.6	7.3	210	0.17	4.00	4.9	210	0.11	4.00	15	210	0.33	4.00	3.7	210	0.08	4.00
M0342	225	235.0	6.2	210	0.144	4.00	4.1	210	0.095	4.00	12	210	0.287	4.00	3.1	210	0.072	4.00
	250	261.4	5.5	210	0.129	4.00	3.7	210	0.085	4.00	11	210	0.258	4.00	2.8	210	0.065	4.00
	280	287.8	5.0	210	0.117	4.00	3.3	210	0.078	4.00	10	210	0.234	4.00	2.5	210	0.059	4.00
	300	317.3	4.6	210	0.106	4.00	3.0	210	0.070	4.00	9.1	210	0.213	4.00	2.3	210	0.053	4.00
	360	365.0	4.0	210	0.092	4.00	2.6	210	0.061	4.00	7.9	210	0.185	4.00	2.0	210	0.046	4.00
	400	401.7	3.6	210	0.084	4.00	2.4	210	0.056	4.00	7.2	210	0.168	4.00	1.8	210	0.042	4.00
	450	436.7	3.3	210	0.077	4.00	2.2	210	0.051	4.00	6.6	210	0.155	4.00	1.7	210	0.039	4.00
	500	511.7	2.8	210	0.066	4.00	1.9	210	0.044	4.00	5.7	210	0.132	4.00	1.4	210	0.033	4.00
	650	614.2	2.4	210	0.055	4.00	1.6	210	0.036	4.00	4.7	210	0.110	4.00	1.2	210	0.027	4.00
	730	736.9	2.0	210	0.046	4.00	1.3	210	0.030	4.00	3.9	210	0.092	4.00	0.98	210	0.023	4.00
	860	884.3	1.6	210	0.038	4.00	1.1	210	0.025	4.00	3.3	210	0.076	4.00	0.82	210	0.019	4.00
	10C	1031	1.4	210	0.033	4.00	0.93	210	0.022	4.00	2.8	210	0.065	4.00	0.70	210	0.016	4.00
	11C	1161	1.2	210	0.029	4.00	0.83	210	0.019	4.00	2.5	210	0.058	4.00	0.62	210	0.015	4.00
	13C	1291	1.1	210	0.026	4.00	0.74	210	0.017	4.00	2.2	210	0.052	4.00	0.56	210	0.013	4.00
	15C	1500	0.97	210	0.022	4.00	0.64	210	0.015	4.00	1.9	210	0.045	4.00	0.48	210	0.011	4.00
	18C	1807	0.80	210	0.019	4.00	0.53	210	0.012	4.00	1.6	210	0.037	4.00	0.40	210	0.009	4.00
	20C	2051	0.71	210	0.016	4.00	0.47	210	0.011	4.00	1.4	210	0.033	4.00	0.35	210	0.008	4.00
24C	2350	0.62	210	0.014	4.00	0.41	210	0.010	4.00	1.2	210	0.029	4.00	0.31	210	0.007	4.00	
27C	2671	0.54	210	0.013	4.00	0.36	210	0.008	4.00	1.1	210	0.025	4.00	0.27	210	0.006	4.00	
M0352	27C	2632	0.55	210	0.013	4.00	0.36	210	0.009	4.00	1.1	210	0.026	4.00	0.28	210	0.006	4.00
	32C	3068	0.47	210	0.011	4.00	0.31	210	0.007	4.00	0.95	210	0.022	4.00	0.24	210	0.006	4.00
	36C	3681	0.39	210	0.009	4.00	0.26	210	0.006	4.00	0.79	210	0.018	4.00	0.20	210	0.005	4.00
	40C	4091	0.35	210	0.008	4.00	0.23	210	0.005	4.00	0.71	210	0.017	4.00	0.18	210	0.004	4.00
	46C	4609	0.31	210	0.007	4.00	0.21	210	0.005	4.00	0.63	210	0.015	4.00	0.16	210	0.004	4.00
	55C	5550	0.26	210	0.006	4.00	0.17	210	0.004	4.00	0.52	210	0.012	4.00	0.13	210	0.003	4.00
	65C	6452	0.22	210	0.005	4.00	0.15	210	0.003	4.00	0.45	210	0.011	4.00	0.11	210	0.003	4.00
	74C	7396	0.20	210	0.005	4.00	0.13	210	0.003	4.00	0.39	210	0.009	4.00	0.098	210	0.002	4.00
	84C	8394	0.17	210	0.004	4.00	0.11	210	0.003	4.00	0.35	210	0.008	4.00	0.086	210	0.002	4.00
	95C	9540	0.15	210	0.004	4.00	0.10	210	0.002	4.00	0.30	210	0.007	4.00	0.076	210	0.002	4.00
	10K	10845	0.13	210	0.003	4.00	0.089	210	0.002	4.00	0.27	210	0.006	4.00	0.067	210	0.002	4.00



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M0422	3.6	3.585	404	203	8.77	3.90	268	233	6.67	4.08	809	161	13.92	3.22	202	256	5.53	4.29
	5.0	5.040	288	237	7.29	3.98	190	272	5.54	4.27	575	188	11.56	3.57	144	290	4.46	4.51
	5.6	5.649	257	249	6.83	4.05	170	286	5.19	4.34	513	198	10.86	3.69	128	298	4.09	4.63
	6.3	6.341	229	262	6.40	4.11	151	294	4.76	4.45	457	208	10.16	3.78	114	307	3.75	4.76
	8.0	8.053	180	289	5.56	4.28	119	310	3.95	4.71	360	229	8.81	3.85	90	326	3.14	5.06
	9.0	9.129	159	299	5.07	4.41	105	319	3.58	4.85	318	241	8.18	3.89	79	340	2.89	5.32
	11.	10.89	133	311	4.42	4.59	88	333	3.14	5.10	266	258	7.34	3.96	67	340	2.42	5.69
	12.	12.54	116	320	3.95	4.74	77	338	2.76	5.39	231	272	6.72	4.05	58	340	2.10	6.01
	14.	14.58	99	329	3.50	4.91	66	340	2.39	5.72	199	288	6.12	4.18	50	340	1.81	6.41
	16.	16.31	89	338	3.21	5.09	59	340	2.14	5.97	178	304	5.78	4.29	44	340	1.61	6.72
	18.	17.39	83	340	3.03	5.22	55	340	2.01	6.13	167	306	5.45	4.36	42	340	1.51	6.90
	20.	20.61	70	340	2.56	5.57	47	340	1.69	6.59	141	315	4.74	4.53	35	340	1.28	7.13
	22.	22.00	66	340	2.39	5.72	44	340	1.59	6.77	132	319	4.49	4.60	33	340	1.20	7.13
	28.	27.30	53	340	1.93	6.23	35	340	1.28	7.13	106	331	3.76	4.84	27	340	0.96	7.13
	32.	32.19	45	340	1.64	6.68	30	340	1.08	7.13	90	338	3.25	5.06	23	340	0.82	7.13
	36.	35.25	41	340	1.49	6.94	27	340	0.99	7.13	82	340	2.99	5.25	21	340	0.75	7.13
	45.	43.20	34	340	1.22	7.13	22	340	0.81	7.13	67	340	2.44	5.68	17	340	0.61	7.13
50.	48.15	30	340	1.09	7.13	20	340	0.72	7.13	60	340	2.19	5.92	15	340	0.55	7.13	
56.	54.00	27	270	0.77	7.20	18	270	0.51	7.20	54	270	1.55	6.55	13	270	0.39	7.20	
M0432	56.	58.38	25	340	0.91	7.20	16	340	0.60	7.20	50	340	1.82	6.69	12	340	0.46	7.20
	63.	64.29	23	340	0.83	7.20	15	340	0.55	7.20	45	340	1.66	6.92	11	340	0.41	7.20
	71.	73.95	20	340	0.72	7.20	13	340	0.48	7.20	39	340	1.44	7.20	9.8	340	0.36	7.20
	80.	80.4	18	340	0.66	7.20	12	340	0.44	7.20	36	340	1.32	7.20	9.0	340	0.33	7.20
	100	96.52	15	340	0.55	7.20	10	340	0.37	7.20	30	340	1.10	7.20	7.5	340	0.28	7.20
	112	115.8	13	340	0.46	7.20	8.3	340	0.30	7.20	25	340	0.92	7.20	6.3	340	0.23	7.20
	125	130.5	11	340	0.41	7.20	7.4	340	0.27	7.20	22	340	0.82	7.20	5.6	340	0.20	7.20
	160	151.7	10	340	0.35	7.20	6.3	340	0.23	7.20	19	340	0.70	7.20	4.8	340	0.18	7.20
	180	172.2	8.4	340	0.31	7.20	5.6	340	0.20	7.20	17	340	0.62	7.20	4.2	340	0.15	7.20
	200	195.8	7.4	340	0.27	7.20	4.9	340	0.18	7.20	15	340	0.54	7.20	3.7	340	0.14	7.20
M0442	225	232.8	6.2	340	0.23	7.20	4.1	340	0.16	7.20	12	340	0.47	7.20	3.1	340	0.12	7.20
	250	260.5	5.6	340	0.21	7.20	3.7	340	0.14	7.20	11	340	0.42	7.20	2.8	340	0.10	7.20
	280	277.6	5.2	340	0.20	7.20	3.5	340	0.13	7.20	10	340	0.39	7.20	2.6	340	0.098	7.20
	300	305.7	4.7	340	0.18	7.20	3.1	340	0.12	7.20	9.5	340	0.36	7.20	2.4	340	0.089	7.20
	360	362.3	4.0	340	0.15	7.20	2.6	340	0.10	7.20	8.0	340	0.30	7.20	2.0	340	0.075	7.20
	400	416.8	3.5	340	0.13	7.20	2.3	340	0.087	7.20	7.0	340	0.26	7.20	1.7	340	0.066	7.20
	450	445.0	3.3	340	0.12	7.20	2.2	340	0.081	7.20	6.5	340	0.25	7.20	1.6	340	0.061	7.20
	500	483.8	3.0	340	0.11	7.20	2.0	340	0.075	7.20	6.0	340	0.23	7.20	1.5	340	0.056	7.20
	650	600.3	2.4	340	0.091	7.20	1.6	340	0.060	7.20	4.8	340	0.18	7.20	1.2	340	0.046	7.20
	730	720.7	2.0	340	0.076	7.20	1.3	340	0.050	7.20	4.0	340	0.15	7.20	1.0	340	0.038	7.20
	860	849.8	1.7	340	0.064	7.20	1.1	340	0.043	7.20	3.4	340	0.13	7.20	0.85	340	0.032	7.20
	10C	1020	1.4	340	0.054	7.20	0.94	340	0.035	7.20	2.8	340	0.11	7.20	0.71	340	0.027	7.20
	11C	1117	1.3	340	0.049	7.20	0.86	340	0.032	7.20	2.6	340	0.098	7.20	0.65	340	0.024	7.20
	13C	1258	1.2	340	0.043	7.20	0.76	340	0.029	7.20	2.3	340	0.087	7.20	0.58	340	0.022	7.20
	15C	1542	0.94	340	0.035	7.20	0.62	340	0.023	7.20	1.9	340	0.071	7.20	0.47	340	0.018	7.20
	18C	1792	0.81	340	0.030	7.20	0.54	340	0.020	7.20	1.6	340	0.061	7.20	0.40	340	0.015	7.20
	20C	1998	0.73	340	0.027	7.20	0.48	340	0.018	7.20	1.5	340	0.055	7.20	0.36	340	0.014	7.20
24C	2268	0.64	340	0.024	7.20	0.42	340	0.016	7.20	1.3	340	0.048	7.20	0.32	340	0.012	7.20	
27C	2578	0.56	340	0.021	7.20	0.37	340	0.014	7.20	1.1	340	0.042	7.20	0.28	340	0.011	7.20	
M0452	27C	2655	0.55	340	0.021	7.20	0.36	340	0.014	7.20	1.1	340	0.041	7.20	0.27	340	0.010	7.20
	32C	3095	0.47	340	0.018	7.20	0.31	340	0.012	7.20	0.94	340	0.035	7.20	0.23	340	0.009	7.20
	36C	3650	0.40	340	0.015	7.20	0.26	340	0.010	7.20	0.79	340	0.030	7.20	0.20	340	0.008	7.20
	40C	4055	0.36	340	0.014	7.20	0.24	340	0.009	7.20	0.72	340	0.027	7.20	0.18	340	0.007	7.20
	46C	4440	0.33	340	0.012	7.20	0.22	340	0.008	7.20	0.65	340	0.025	7.20	0.16	340	0.006	7.20
	55C	5347	0.27	340	0.010	7.20	0.18	340	0.007	7.20	0.54	340	0.021	7.20	0.14	340	0.005	7.20
	65C	6553	0.22	340	0.008	7.20	0.15	340	0.006	7.20	0.44	340	0.017	7.20	0.11	340	0.004	7.20
	74C	7511	0.19	340	0.007	7.20	0.13	340	0.005	7.20	0.39	340	0.015	7.20	0.097	340	0.004	7.20
	84C	8372	0.17	340	0.007	7.20	0.11	340	0.004	7.20	0.35	340	0.013	7.20	0.087	340	0.003	7.20
	95C	9514	0.15	340	0.006	7.20	0.10	340	0.004	7.20	0.30	340	0.012	7.20	0.076	340	0.003	7.20
10K	10670	0.14	270	0.004	7.20	0.090	270	0.003	7.20	0.27	270	0.008	7.20	0.068	270	0.002	7.20	



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M0522	3.6	3.585	404	292	12.62	3.51	268	293	8.38	3.76	809	263	22.73	2.65	202	293	6.33	4.01
	5.0	5.040	288	382	11.74	3.70	190	383	7.79	4.07	575	317	19.49	3.14	144	383	5.89	4.34
	5.6	5.649	257	409	11.22	3.79	170	412	7.48	4.18	513	336	18.43	3.32	128	413	5.66	4.46
	6.3	6.341	229	413	10.09	3.90	151	413	6.68	4.29	457	364	17.79	3.44	114	414	5.06	4.58
	8.0	8.053	180	441	8.48	4.12	119	450	5.73	4.54	360	381	14.66	3.57	90	450	4.33	4.88
	9.0	9.129	159	450	7.64	4.25	105	450	5.06	4.67	318	381	12.93	3.64	79	450	3.82	5.12
	11.	10.89	133	450	6.40	4.42	88	450	4.24	4.92	266	406	11.55	3.76	67	450	3.20	5.49
	12.	12.54	116	426	5.26	4.57	77	427	3.49	5.20	231	418	10.33	3.89	58	426	2.63	5.80
	14.	14.58	99	450	4.78	4.73	66	450	3.17	5.51	199	432	9.18	4.03	50	450	2.39	6.14
	16.	16.31	89	450	4.27	4.90	59	450	2.83	5.76	178	442	8.40	4.14	44	450	2.14	6.41
	18.	17.39	83	450	4.01	5.03	55	450	2.65	5.90	167	448	7.98	4.20	42	450	2.00	6.57
	20.	20.61	70	450	3.38	5.37	47	450	2.24	6.30	141	450	6.77	4.37	35	450	1.69	6.63
	22.	22.00	66	450	3.17	5.51	44	450	2.10	6.46	132	450	6.34	4.43	33	450	1.58	6.56
	28.	27.30	53	450	2.55	5.99	35	450	1.69	6.63	106	450	5.11	4.66	27	450	1.28	6.32
	32.	32.19	45	450	2.17	6.38	30	450	1.43	6.45	90	450	4.33	4.88	23	450	1.08	6.12
	36.	35.25	41	450	1.98	6.61	27	450	1.31	6.34	82	450	3.96	5.06	21	450	0.99	6.01
	45.	43.20	34	425	1.52	6.58	22	439	1.04	6.10	67	439	3.15	5.47	17	439	0.79	5.76
	50.	48.15	30	380	1.22	6.76	20	380	0.81	6.45	60	380	2.45	5.70	15	380	0.61	6.27
56.	54.00	27	270	0.77	7.20	18	270	0.51	7.20	54	270	1.55	6.31	13	270	0.39	7.20	
M0532	56.	58.38	25	450	1.21	7.20	16	450	0.80	7.20	50	443	2.38	6.14	12	450	0.60	7.20
	63.	64.29	23	450	1.10	7.20	15	450	0.73	7.20	45	431	2.10	6.38	11	450	0.55	7.20
	71.	73.95	20	450	0.95	7.20	13	450	0.63	7.20	39	443	1.88	6.73	10	450	0.48	7.20
	80.	80.40	18	450	0.88	7.20	12	450	0.58	7.20	36	450	1.75	6.65	9.0	450	0.44	7.20
	100	96.52	15	450	0.73	7.20	10	450	0.48	7.20	30	370	1.20	6.46	7.5	450	0.36	7.20
	112	115.8	13	450	0.61	7.20	8.3	450	0.40	7.20	25	380	1.03	6.25	6.3	450	0.30	7.20
	125	130.5	11	450	0.54	7.20	7.4	450	0.36	7.20	22	387	0.93	6.10	5.6	450	0.27	7.20
	160	151.7	10	450	0.46	7.20	6.3	450	0.31	7.20	19	396	0.82	7.20	4.8	450	0.23	7.20
	180	172.2	8.4	450	0.41	7.20	5.6	450	0.27	7.20	17	404	0.73	7.20	4.2	450	0.20	7.20
	200	195.8	7.4	450	0.36	7.20	4.9	450	0.24	7.20	15	411	0.66	7.20	3.7	450	0.18	7.20
M0542	225	232.8	6.2	450	0.31	7.20	4.1	450	0.21	7.20	12	450	0.62	7.20	3.1	450	0.16	7.20
	250	260.5	5.6	450	0.28	7.20	3.7	450	0.18	7.20	11	450	0.56	7.20	2.8	450	0.14	7.20
	280	277.6	5.2	450	0.26	7.20	3.5	450	0.17	7.20	10	450	0.52	7.20	2.6	450	0.13	7.20
	300	305.7	4.7	450	0.24	7.20	3.1	450	0.16	7.20	9.5	450	0.47	7.20	2.4	450	0.12	7.20
	360	362.3	4.0	450	0.20	7.20	2.6	450	0.13	7.20	8.0	450	0.40	7.20	2.0	450	0.10	7.20
	400	416.8	3.5	450	0.17	7.20	2.3	450	0.11	7.20	7.0	450	0.35	7.20	1.7	450	0.087	7.20
	450	445.0	3.3	450	0.16	7.20	2.2	450	0.11	7.20	6.5	450	0.32	7.20	1.6	450	0.081	7.20
	500	483.8	3.0	450	0.15	7.20	2.0	450	0.099	7.20	6.0	450	0.30	7.20	1.5	450	0.075	7.20
	650	600.3	2.4	450	0.12	7.20	1.6	450	0.080	7.20	4.8	450	0.24	7.20	1.2	450	0.060	7.20
	730	720.7	2.0	450	0.10	7.20	1.3	450	0.066	7.20	4.0	450	0.20	7.20	1.0	450	0.050	7.20
	860	849.8	1.7	450	0.085	7.20	1.1	450	0.056	7.20	3.4	450	0.17	7.20	0.85	450	0.043	7.20
	10C	1020	1.4	450	0.071	7.20	0.94	450	0.047	7.20	2.8	450	0.14	7.20	0.71	450	0.035	7.20
	11C	1117	1.3	450	0.065	7.20	0.86	450	0.043	7.20	2.6	450	0.13	7.20	0.65	450	0.032	7.20
	13C	1258	1.2	450	0.057	7.20	0.76	450	0.038	7.20	2.3	450	0.11	7.20	0.58	450	0.029	7.20
	15C	1542	0.94	450	0.047	7.20	0.62	450	0.031	7.20	1.9	450	0.094	7.20	0.47	450	0.023	7.20
	18C	1792	0.81	450	0.040	7.20	0.54	450	0.027	7.20	1.6	450	0.081	7.20	0.40	450	0.020	7.20
	20C	1998	0.73	380	0.031	7.20	0.48	380	0.020	7.20	1.5	380	0.061	7.20	0.36	380	0.015	7.20
24C	2268	0.64	380	0.027	7.20	0.42	380	0.018	7.20	1.3	380	0.054	7.20	0.32	380	0.013	7.20	
27C	2578	0.56	380	0.024	7.20	0.37	380	0.016	7.20	1.1	380	0.047	7.20	0.28	380	0.012	7.20	
M0552	27C	2655	0.55	450	0.027	7.20	0.36	450	0.018	7.20	1.1	450	0.055	7.20	0.27	450	0.014	7.20
	32C	3095	0.47	450	0.023	7.20	0.31	450	0.016	7.20	0.94	450	0.047	7.20	0.23	450	0.012	7.20
	36C	3650	0.40	450	0.020	7.20	0.26	450	0.013	7.20	0.79	450	0.040	7.20	0.20	450	0.010	7.20
	40C	4055	0.36	450	0.018	7.20	0.24	450	0.012	7.20	0.72	450	0.036	7.20	0.18	450	0.009	7.20
	46C	4440	0.33	450	0.016	7.20	0.22	450	0.011	7.20	0.65	450	0.033	7.20	0.16	450	0.008	7.20
	55C	5347	0.27	450	0.014	7.20	0.18	450	0.009	7.20	0.54	450	0.027	7.20	0.14	450	0.007	7.20
	65C	6553	0.22	450	0.011	7.20	0.15	450	0.007	7.20	0.44	450	0.022	7.20	0.11	450	0.006	7.20
	74C	7511	0.19	450	0.010	7.20	0.13	450	0.006	7.20	0.39	450	0.019	7.20	0.097	450	0.005	7.20
	84C	8372	0.17	380	0.007	7.20	0.11	380	0.005	7.20	0.35	380	0.015	7.20	0.087	380	0.004	7.20
	95C	9514	0.15	380	0.006	7.20	0.10	380	0.004	7.20	0.30	380	0.013	7.20	0.076	380	0.003	7.20
10K	10670	0.14	270	0.004	7.20	0.090	270	0.003	7.20	0.27	270	0.008	7.20	0.068	270	0.002	7.20	



RATINGS

Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M0622	5.0	4.438	327	362	12.64	7.20	216	363	8.39	7.20	653	326	22.76	6.03	163	363	6.34	7.20
	5.6	6.240	232	473	11.74	6.93	154	474	7.79	7.20	465	393	19.52	5.97	116	474	5.88	7.20
	6.3	6.994	207	510	11.30	7.14	137	511	7.49	7.20	415	416	18.43	6.23	104	511	5.66	7.20
	8.0	7.851	185	512	10.10	7.20	122	512	6.69	7.20	369	436	17.21	6.39	92	512	5.05	7.20
	9.0	9.970	145	594	9.23	7.20	96	594	6.11	7.20	291	484	15.04	6.59	73	594	4.62	7.20
	11.	11.30	128	604	8.28	7.20	85	607	5.51	7.20	257	507	13.90	6.78	64	607	4.16	7.20
	12.	13.48	108	613	7.05	7.20	71	625	4.76	7.20	215	538	12.37	7.08	54	628	3.61	7.20
	14.	15.52	93	528	5.27	7.20	62	625	4.13	7.20	187	527	10.52	7.20	47	528	2.64	7.20
	16.	18.05	80	596	5.12	7.20	53	625	3.55	7.20	161	584	10.03	7.20	40	597	2.56	7.20
	18.	20.20	72	625	4.79	7.20	48	625	3.17	7.20	144	598	9.17	7.20	36	625	2.40	7.20
	20.	21.53	67	625	4.50	7.20	45	625	2.98	7.20	135	600	8.64	7.20	34	625	2.25	7.20
	22.	25.51	57	625	3.80	7.20	38	625	2.51	7.20	114	610	7.41	7.20	28	625	1.90	7.20
	28.	27.24	53	625	3.55	7.20	35	625	2.35	7.20	106	614	6.98	7.20	27	625	1.78	7.20
	32.	33.80	43	625	2.86	7.20	28	625	1.90	7.20	86	625	5.73	7.20	21	625	1.43	7.20
	36.	39.86	36	625	2.43	7.20	24	625	1.61	7.20	73	625	4.86	7.20	18	625	1.21	7.20
	45.	43.64	33	625	2.22	7.20	22	625	1.47	7.20	66	625	4.44	7.20	17	625	1.11	7.20
	50.	53.49	27	526	1.52	7.20	18	544	1.04	7.20	54	514	2.98	7.20	14	557	0.81	7.20
	56.	59.61	24	470	1.22	7.20	16	470	0.81	7.20	49	470	2.44	7.20	12	470	0.61	7.20
	63.	66.86	22	334	0.77	7.20	14	334	0.51	7.20	43	334	1.55	7.20	11	334	0.39	7.20
	M0632	63.	72.28	20	625	1.35	7.20	13	625	0.90	7.20	40	549	2.38	7.20	10	625	0.68
71.		79.60	18	625	1.23	7.20	12	625	0.81	7.20	36	534	2.10	7.20	9.1	625	0.61	7.20
80.		91.56	16	625	1.07	7.20	10	625	0.71	7.20	32	549	1.88	7.20	7.9	625	0.53	7.20
100		99.54	15	625	0.98	7.20	10	625	0.65	7.20	29	558	1.75	7.20	7.3	625	0.49	7.20
112		119.5	12	625	0.82	7.20	8.0	625	0.54	7.20	24	585	1.53	7.20	6.1	625	0.41	7.20
125		143.4	10	625	0.68	7.20	6.7	625	0.45	7.20	20	613	1.34	7.20	5.1	625	0.34	7.20
160		161.6	9.0	625	0.61	7.20	5.9	625	0.40	7.20	18	625	1.21	7.20	4.5	625	0.30	7.20
180		187.8	7.7	625	0.52	7.20	5.1	625	0.34	7.20	15	625	1.04	7.20	3.9	625	0.26	7.20
200		213.2	6.8	625	0.46	7.20	4.5	625	0.30	7.20	14	625	0.92	7.20	3.4	625	0.23	7.20
225		242.4	6.0	598	0.39	7.20	4.0	623	0.27	7.20	12	575	0.74	7.20	3.0	625	0.20	7.20
M0642	280	272.9	5.3	625	0.37	7.20	3.5	625	0.24	7.20	11	625	0.74	7.20	2.7	625	0.18	7.20
	300	313.9	4.6	625	0.32	7.20	3.1	625	0.21	7.20	9.2	625	0.64	7.20	2.3	625	0.16	7.20
	360	365.1	4.0	625	0.28	7.20	2.6	625	0.18	7.20	7.9	625	0.55	7.20	2.0	625	0.14	7.20
	400	396.9	3.7	625	0.25	7.20	2.4	625	0.17	7.20	7.3	625	0.51	7.20	1.8	625	0.13	7.20
	450	444.1	3.3	625	0.23	7.20	2.2	625	0.15	7.20	6.5	625	0.45	7.20	1.6	625	0.11	7.20
	500	533.1	2.7	625	0.19	7.20	1.8	625	0.12	7.20	5.4	625	0.38	7.20	1.4	625	0.094	7.20
	650	568.2	2.6	625	0.18	7.20	1.7	625	0.12	7.20	5.1	625	0.35	7.20	1.3	625	0.088	7.20
	730	681.9	2.1	625	0.15	7.20	1.4	625	0.098	7.20	4.3	625	0.29	7.20	1.1	625	0.074	7.20
	860	808.1	1.8	625	0.12	7.20	1.2	625	0.082	7.20	3.6	625	0.25	7.20	0.90	625	0.062	7.20
	10C	972.2	1.5	625	0.10	7.20	0.99	625	0.068	7.20	3.0	625	0.21	7.20	0.75	625	0.052	7.20
	11C	1130	1.3	625	0.089	7.20	0.85	625	0.059	7.20	2.6	625	0.18	7.20	0.64	625	0.044	7.20
	13C	1402	1.0	625	0.072	7.20	0.68	625	0.047	7.20	2.1	625	0.14	7.20	0.52	625	0.036	7.20
	15C	1592	0.91	625	0.063	7.20	0.60	625	0.042	7.20	1.8	625	0.13	7.20	0.46	625	0.032	7.20
	18C	1877	0.77	625	0.053	7.20	0.51	625	0.035	7.20	1.5	625	0.11	7.20	0.39	625	0.027	7.20
	20C	2055	0.71	625	0.049	7.20	0.47	625	0.032	7.20	1.4	625	0.098	7.20	0.35	625	0.024	7.20
24C	2337	0.62	625	0.043	7.20	0.41	625	0.028	7.20	1.2	625	0.086	7.20	0.31	625	0.021	7.20	
27C	2519	0.58	625	0.040	7.20	0.38	625	0.026	7.20	1.2	625	0.080	7.20	0.29	625	0.020	7.20	
M0652	27C	2649	0.55	625	0.038	7.20	0.36	625	0.025	7.20	1.1	625	0.076	7.20	0.27	625	0.019	7.20
	32C	3088	0.47	625	0.033	7.20	0.31	625	0.022	7.20	0.94	625	0.065	7.20	0.23	625	0.016	7.20
	36C	3832	0.38	625	0.026	7.20	0.25	625	0.017	7.20	0.76	625	0.053	7.20	0.19	625	0.013	7.20
	40C	4258	0.34	625	0.024	7.20	0.23	625	0.016	7.20	0.68	625	0.047	7.20	0.17	625	0.012	7.20
	46C	5021	0.29	625	0.020	7.20	0.19	625	0.013	7.20	0.58	625	0.040	7.20	0.14	625	0.010	7.20
	55C	6046	0.24	625	0.017	7.20	0.16	625	0.011	7.20	0.48	625	0.033	7.20	0.12	625	0.008	7.20
	65C	6620	0.22	625	0.015	7.20	0.15	625	0.010	7.20	0.44	625	0.030	7.20	0.11	625	0.008	7.20
	74C	7588	0.19	625	0.013	7.20	0.13	625	0.009	7.20	0.38	625	0.027	7.20	0.096	625	0.007	7.20
	84C	8624	0.17	625	0.012	7.20	0.11	625	0.008	7.20	0.34	625	0.023	7.20	0.084	625	0.006	7.20
	95C	9300	0.16	625	0.011	7.20	0.10	625	0.007	7.20	0.31	625	0.022	7.20	0.078	625	0.005	7.20
10K	10569	0.14	625	0.010	7.20	0.091	625	0.006	7.20	0.27	625	0.019	7.20	0.069	625	0.005	7.20	



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M0722	3.6	3.678	394	306	12.89	3.50	261	306	8.53	3.50	788	304	25.61	3.50	197	307	6.47	3.50
	5.0	5.094	285	425	12.93	3.50	188	425	8.56	3.50	569	423	25.73	3.50	142	426	6.48	3.50
	5.6	5.722	253	477	12.92	3.50	168	478	8.57	3.50	507	446	24.15	3.50	127	478	6.47	3.50
	6.3	6.292	230	525	12.93	3.50	153	526	8.58	3.50	461	464	22.85	3.50	115	526	6.48	3.50
	8.0	8.218	176	655	12.35	3.50	117	687	8.57	3.50	353	519	19.57	3.50	88	687	6.48	3.60
	9.0	9.344	155	689	11.42	3.50	103	743	8.16	3.50	310	547	18.14	3.50	78	780	6.47	5.46
	11.	11.35	128	726	9.91	3.50	85	773	6.99	3.50	256	588	16.05	3.50	64	811	5.54	3.70
	12.	12.48	116	740	9.19	3.60	77	793	6.52	3.70	232	611	15.17	3.50	58	819	5.08	4.25
	14.	14.34	101	761	8.22	3.60	67	806	5.77	4.00	202	644	13.92	3.50	51	830	4.48	4.25
	16.	16.26	89	786	7.49	3.60	59	818	5.16	4.20	178	684	13.03	3.50	45	841	4.01	4.50
	18.	17.94	81	794	6.86	3.60	54	825	4.72	4.50	162	700	12.09	3.50	40	850	3.67	4.65
	20.	20.54	71	804	6.06	3.90	47	837	4.18	4.60	141	731	11.03	3.50	35	861	3.25	5.10
	22.	23.23	62	813	5.42	4.20	41	847	3.74	5.10	125	748	9.98	3.50	31	865	2.88	6.25
	28.	26.93	54	825	4.75	4.50	36	860	3.28	6.25	108	768	8.84	3.50	27	865	2.49	7.40
	32.	32.12	45	840	4.05	4.65	30	865	2.76	7.40	90	786	7.58	3.50	23	865	2.09	8.00
	36.	35.17	41	847	3.73	5.10	27	865	2.52	5.10	82	792	6.98	3.60	21	865	1.91	9.20
	45.	42.21	34	863	3.17	6.25	23	865	2.10	6.25	69	806	5.92	3.90	17	865	1.59	9.20
50.	48.56	30	700	2.23	7.40	20	701	1.48	9.20	60	700	4.47	4.20	15	701	1.12	9.20	
56.	53.96	27	596	1.71	9.20	18	596	1.13	9.20	54	596	3.42	4.50	13	596	0.86	9.20	
M0732	56.	58.95	25	754	2.00	8.10	16	865	1.52	9.20	49	640	3.40	4.50	12	865	1.15	9.20
	63.	62.83	23	770	1.92	9.20	15	865	1.43	9.20	46	650	3.24	4.65	12	865	1.08	9.20
	71.	74.47	19	815	1.71	9.20	13	865	1.20	9.20	39	673	2.83	5.10	10	865	0.91	9.20
	80.	79.51	18	833	1.64	9.20	12	865	1.13	9.20	36	682	2.69	6.30	9.1	865	0.85	9.20
	100	98.66	15	865	1.37	9.20	10	865	0.91	9.20	29	714	2.27	7.40	7.3	865	0.69	9.20
	112	116.3	12	865	1.16	9.20	8.3	865	0.77	9.20	25	751	2.02	9.20	6.2	874	0.59	9.20
	125	127.4	11	865	1.06	9.20	7.5	865	0.70	9.20	23	775	1.90	9.20	5.7	880	0.54	9.20
	160	156.1	9.3	865	0.87	9.20	6.1	875	0.58	9.20	19	828	1.66	9.20	4.6	880	0.44	9.20
	180	174.0	8.3	865	0.78	9.20	5.5	880	0.52	9.20	17	858	1.54	9.20	4.2	880	0.40	9.20
200	195.2	7.4	865	0.69	9.20	4.9	880	0.47	9.20	15	868	1.39	9.20	3.7	880	0.35	9.20	
M0742	225	229.0	6.3	880	0.62	9.20	4.2	880	0.41	9.20	13	880	1.23	9.20	3.2	880	0.31	9.20
	250	259.7	5.6	880	0.54	9.20	3.7	880	0.36	9.20	11	880	1.09	9.20	2.8	880	0.27	9.20
	280	286.5	5.1	880	0.49	9.20	3.4	880	0.33	9.20	10	880	0.99	9.20	2.5	880	0.25	9.20
	300	315.4	4.6	880	0.45	9.20	3.0	880	0.30	9.20	9.2	880	0.90	9.20	2.3	880	0.22	9.20
	360	361.2	4.0	880	0.39	9.20	2.7	880	0.26	9.20	8.0	880	0.78	9.20	2.0	880	0.20	9.20
	400	415.5	3.5	880	0.34	9.20	2.3	880	0.23	9.20	7.0	880	0.68	9.20	1.7	880	0.17	9.20
	450	469.8	3.1	880	0.30	9.20	2.0	880	0.20	9.20	6.2	880	0.60	9.20	1.5	880	0.15	9.20
	500	510.7	2.8	880	0.28	9.20	1.9	880	0.18	9.20	5.7	880	0.55	9.20	1.4	880	0.14	9.20
	650	592.1	2.4	880	0.24	9.20	1.6	880	0.16	9.20	4.9	880	0.48	9.20	1.2	880	0.12	9.20
	730	710.8	2.0	880	0.20	9.20	1.4	880	0.13	9.20	4.1	880	0.40	9.20	1.0	880	0.099	9.20
	860	847.8	1.7	880	0.17	9.20	1.1	880	0.11	9.20	3.4	880	0.33	9.20	0.86	880	0.083	9.20
	10C	1017	1.4	880	0.14	9.20	0.94	880	0.092	9.20	2.9	880	0.28	9.20	0.71	880	0.069	9.20
	11C	1114	1.3	880	0.13	9.20	0.86	880	0.084	9.20	2.6	880	0.25	9.20	0.65	880	0.063	9.20
	13C	1255	1.2	880	0.11	9.20	0.76	880	0.075	9.20	2.3	880	0.23	9.20	0.58	880	0.056	9.20
	15C	1506	0.96	880	0.094	9.20	0.64	880	0.062	9.20	1.9	880	0.19	9.20	0.48	880	0.047	9.20
	18C	1751	0.83	880	0.081	9.20	0.55	880	0.053	9.20	1.7	880	0.16	9.20	0.41	880	0.040	9.20
	20C	2015	0.72	880	0.070	9.20	0.48	880	0.046	9.20	1.4	880	0.14	9.20	0.36	880	0.035	9.20
24C	2287	0.63	880	0.062	9.20	0.42	880	0.041	9.20	1.3	880	0.12	9.20	0.32	880	0.031	9.20	
27C	2600	0.56	880	0.054	9.20	0.37	880	0.036	9.20	1.1	880	0.11	9.20	0.28	880	0.027	9.20	
M0752	27C	2619	0.55	880	0.054	9.20	0.37	880	0.036	9.20	1.1	880	0.11	9.20	0.28	880	0.027	9.20
	32C	3053	0.47	880	0.047	9.20	0.31	880	0.031	9.20	0.95	880	0.093	9.20	0.24	880	0.023	9.20
	36C	3641	0.40	880	0.039	9.20	0.26	880	0.026	9.20	0.80	880	0.078	9.20	0.20	880	0.020	9.20
	40C	4046	0.36	880	0.035	9.20	0.24	880	0.023	9.20	0.72	880	0.070	9.20	0.18	880	0.018	9.20
	46C	4431	0.33	880	0.032	9.20	0.22	880	0.021	9.20	0.65	880	0.064	9.20	0.16	880	0.016	9.20
	55C	5335	0.27	880	0.027	9.20	0.18	880	0.018	9.20	0.54	880	0.053	9.20	0.14	880	0.013	9.20
	65C	6403	0.23	880	0.022	9.20	0.15	880	0.015	9.20	0.45	880	0.044	9.20	0.11	880	0.011	9.20
	74C	7339	0.20	880	0.019	9.20	0.13	880	0.013	9.20	0.40	880	0.039	9.20	0.099	880	0.010	9.20
	84C	8443	0.17	880	0.017	9.20	0.11	880	0.011	9.20	0.34	880	0.034	9.20	0.086	880	0.008	9.20
	95C	9596	0.15	880	0.015	9.20	0.10	880	0.010	9.20	0.30	880	0.030	9.20	0.076	880	0.007	9.20
10K	10662	0.14	880	0.013	9.20	0.090	880	0.009	9.20	0.27	880	0.027	9.20	0.068	880	0.007	9.20	



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M0822	3.6	3.68	394	482	20.30	6.20	261	484	13.50	6.25	788	479	40.35	9.77	197	485	10.22	6.36
	5.0	5.21	278	686	20.38	6.20	184	688	13.54	6.25	556	683	40.59	9.00	139	688	10.22	6.50
	5.6	5.79	250	763	20.41	6.25	166	764	13.53	6.25	501	760	40.66	8.50	125	765	10.23	6.60
	6.3	6.44	225	849	20.42	6.30	149	851	13.55	6.30	450	832	40.02	8.09	113	851	10.23	6.70
	8.0	8.33	174	1100	20.46	6.35	115	1100	13.55	6.35	348	926	34.45	8.00	87	1100	10.23	7.25
	9.0	9.35	155	1220	20.21	6.50	103	1240	13.60	6.50	310	967	32.04	7.75	78	1240	10.27	8.00
	11.	11.47	126	1310	17.69	6.60	84	1500	13.41	6.60	253	1040	28.10	7.38	63	1520	10.27	9.00
	12.	12.92	112	1340	16.07	6.90	74	1540	12.23	6.90	224	1060	25.42	7.37	56	1690	10.13	9.00
	14.	15.04	96	1410	14.52	6.90	64	1620	11.05	6.90	193	1120	23.07	7.23	48	1700	8.76	9.50
	16.	16.69	87	1420	13.18	7.25	58	1420	8.73	7.25	174	1150	21.35	7.24	43	1420	6.59	9.50
	18.	18.26	79	1360	11.54	8.00	53	1360	7.64	8.00	159	1160	19.68	7.51	40	1360	5.77	10.00
	20.	20.66	70	1460	10.95	8.50	46	1460	7.25	9.50	140	1200	18.00	7.48	35	1460	5.47	12.30
	22.	23.32	62	1540	10.23	9.00	41	1540	6.77	10.00	124	1230	16.34	7.66	31	1540	5.12	12.30
	28.	28.27	51	1580	8.66	9.25	34	1670	6.06	12.30	103	1260	13.81	8.22	26	1670	4.58	14.00
	32.	32.97	44	1620	7.61	9.50	29	1700	5.29	13.50	88	1280	12.03	8.61	22	1700	3.99	16.20
	36.	36.21	40	1650	7.06	10.00	27	1700	4.82	14.00	80	1310	11.21	8.70	20	1700	3.64	16.20
	45.	44.38	33	1690	5.90	12.30	22	1700	3.93	16.20	65	1340	9.36	9.79	16	1700	2.97	16.20
50.	48.46	30	1690	5.40	13.50	20	1700	3.60	16.20	60	1350	8.63	10.40	15	1700	2.72	16.20	
56.	55.80	26	1540	4.28	16.20	17	1540	2.83	16.20	52	1360	7.55	11.60	13	1550	2.15	16.20	
M0832	56.	60.33	24	1600	4.15	16.20	16	1700	2.92	16.20	48	1300	6.75	13.20	12	1700	2.21	16.20
	63.	66.02	22	1650	3.91	16.20	15	1700	2.67	16.20	44	1340	6.35	13.50	11	1700	2.02	16.20
	71.	74.69	19	1700	3.56	16.20	13	1700	2.36	16.20	39	1390	5.83	14.10	10	1700	1.78	16.20
	80.	84.31	17	1700	3.16	16.20	11	1700	2.09	16.20	34	1440	5.35	14.60	8.6	1700	1.58	16.20
	100	102.2	14	1700	2.60	16.20	9.4	1700	1.72	16.20	28	1520	4.66	16.20	7.1	1700	1.30	16.20
	112	119.2	12	1700	2.23	16.20	8.1	1700	1.48	16.20	24	1600	4.20	16.20	6.1	1700	1.12	16.20
	125	130.9	11	1700	2.03	16.20	7.3	1700	1.35	16.20	22	1640	3.92	16.20	5.5	1700	1.02	16.20
	160	160.4	9.0	1700	1.66	16.20	6.0	1700	1.10	16.20	18	1700	3.32	16.20	4.5	1700	0.83	16.20
	180	175.2	8.3	1700	1.52	16.20	5.5	1700	1.01	16.20	17	1700	3.04	16.20	4.1	1700	0.76	16.20
	200	201.8	7.2	1700	1.32	16.20	4.8	1700	0.87	16.20	14	1700	2.64	16.20	3.6	1700	0.66	16.20
M0842	225	229.0	6.3	1700	1.19	16.20	4.2	1700	0.79	16.20	13	1700	2.39	16.20	3.2	1700	0.60	16.20
	250	259.7	5.6	1700	1.05	16.20	3.7	1700	0.70	16.20	11	1700	2.10	16.20	2.8	1700	0.53	16.20
	280	286.5	5.1	1700	0.95	16.20	3.4	1700	0.63	16.20	10	1700	1.91	16.20	2.5	1700	0.48	16.20
	300	315.4	4.6	1700	0.87	16.20	3.0	1700	0.57	16.20	9.2	1700	1.73	16.20	2.3	1700	0.43	16.20
	360	361.2	4.0	1700	0.76	16.20	2.7	1700	0.50	16.20	8.0	1700	1.51	16.20	2.0	1700	0.38	16.20
	400	415.5	3.5	1700	0.66	16.20	2.3	1700	0.44	16.20	7.0	1700	1.31	16.20	1.7	1700	0.33	16.20
	450	469.8	3.1	1700	0.58	16.20	2.0	1700	0.38	16.20	6.2	1700	1.16	16.20	1.5	1700	0.29	16.20
	500	510.7	2.8	1700	0.53	16.20	1.9	1700	0.35	16.20	5.7	1700	1.07	16.20	1.4	1700	0.27	16.20
	650	592.1	2.4	1700	0.46	16.20	1.6	1700	0.31	16.20	4.9	1700	0.92	16.20	1.2	1700	0.23	16.20
	730	710.8	2.0	1700	0.38	16.20	1.4	1700	0.25	16.20	4.1	1700	0.77	16.20	1.0	1700	0.19	16.20
	860	847.8	1.7	1700	0.32	16.20	1.1	1700	0.21	16.20	3.4	1700	0.64	16.20	0.86	1700	0.16	16.20
	10C	1017	1.4	1700	0.27	16.20	0.94	1700	0.18	16.20	2.9	1700	0.54	16.20	0.71	1700	0.13	16.20
	11C	1114	1.3	1700	0.25	16.20	0.86	1700	0.16	16.20	2.6	1700	0.49	16.20	0.65	1700	0.12	16.20
	13C	1255	1.2	1700	0.22	16.20	0.76	1700	0.14	16.20	2.3	1700	0.44	16.20	0.58	1700	0.11	16.20
	15C	1506	0.96	1700	0.18	16.20	0.64	1700	0.12	16.20	1.9	1700	0.36	16.20	0.48	1700	0.091	16.20
18C	1751	0.83	1700	0.16	16.20	0.55	1700	0.10	16.20	1.7	1700	0.31	16.20	0.41	1700	0.078	16.20	
20C	2015	0.72	1700	0.14	16.20	0.48	1700	0.090	16.20	1.4	1700	0.27	16.20	0.36	1700	0.068	16.20	
24C	2287	0.63	1700	0.12	16.20	0.42	1700	0.079	16.20	1.3	1700	0.24	16.20	0.32	1700	0.060	16.20	
27C	2600	0.56	1700	0.11	16.20	0.37	1700	0.070	16.20	1.1	1700	0.21	16.20	0.28	1700	0.053	16.20	
M0852	27C	2619	0.55	1700	0.10	16.20	0.37	1700	0.069	16.20	1.1	1700	0.21	16.20	0.28	1700	0.052	16.20
	32C	3053	0.47	1700	0.090	16.20	0.31	1700	0.060	16.20	0.95	1700	0.18	16.20	0.24	1700	0.045	16.20
	36C	3641	0.40	1700	0.075	16.20	0.26	1700	0.050	16.20	0.80	1700	0.15	16.20	0.20	1700	0.038	16.20
	40C	4046	0.36	1700	0.068	16.20	0.24	1700	0.045	16.20	0.72	1700	0.14	16.20	0.18	1700	0.034	16.20
	46C	4431	0.33	1700	0.062	16.20	0.22	1700	0.041	16.20	0.65	1700	0.12	16.20	0.16	1700	0.031	16.20
	55C	5335	0.27	1700	0.051	16.20	0.18	1700	0.034	16.20	0.54	1700	0.10	16.20	0.14	1700	0.026	16.20
	65C	6403	0.23	1700	0.043	16.20	0.15	1700	0.028	16.20	0.45	1700	0.086	16.20	0.11	1700	0.021	16.20
	74C	7339	0.20	1700	0.037	16.20	0.13	1700	0.025	16.20	0.40	1700	0.075	16.20	0.099	1700	0.019	16.20
	84C	8443	0.17	1700	0.033	16.20	0.11	1700	0.022	16.20	0.34	1700	0.065	16.20	0.086	1700	0.016	16.20
	95C	9596	0.15	1700	0.029	16.20	0.10	1700	0.019	16.20	0.30	1700	0.057	16.20	0.076	1700	0.014	16.20
	10K	10662	0.14	1700	0.026	16.20	0.090	1700	0.017	16.20	0.27	1700	0.052	16.20	0.068	1700	0.013	16.20



RATINGS

Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M0922	3.6	3.685	393	1420	59.70	13.20	261	1610	44.82	12.50	787	1130	95.02	9.54	197	1750	36.79	12.40
	5.0	5.073	286	1610	49.17	12.10	189	1830	37.00	11.90	572	1310	80.02	10.10	143	1990	30.39	12.10
	5.6	5.686	255	1680	45.78	11.90	169	1910	34.46	11.90	510	1370	74.66	10.40	128	2070	28.20	12.10
	6.3	6.382	227	1760	42.73	11.70	150	1990	31.98	11.80	454	1420	68.94	10.80	114	2160	26.22	12.00
	8.0	8.224	176	1920	36.17	11.40	117	2170	27.07	11.70	353	1560	58.78	11.60	88	2360	22.23	11.80
	9.0	9.188	158	2000	33.72	11.40	104	2260	25.23	11.60	316	1620	54.63	11.60	79	2460	20.74	11.70
	11.	11.47	126	2150	29.04	11.30	84	2440	21.82	11.50	253	1750	47.28	11.30	63	2650	17.90	11.80
	12.	12.74	114	2230	27.12	11.30	75	2520	20.29	11.40	228	1810	44.02	11.10	57	2740	16.66	12.20
	14.	14.53	100	2330	24.84	11.30	66	2630	18.57	11.40	200	1890	40.31	10.90	50	2860	15.25	12.80
	16.	16.34	89	2450	23.23	10.90	59	2770	17.39	11.50	177	1990	37.74	10.70	44	3020	14.32	12.90
	18.	18.50	78	2520	21.10	11.10	52	2850	15.80	12.40	157	2040	34.17	11.00	39	3100	12.98	13.90
	20.	20.59	70	2600	19.56	11.10	47	2950	14.70	12.90	141	2110	31.75	11.00	35	3100	11.66	15.20
	22.	22.87	63	2690	18.22	11.30	42	3050	13.68	13.40	127	2190	29.67	10.90	32	3110	10.53	17.10
	28.	27.98	52	2870	15.89	12.20	34	3110	11.40	14.90	104	2280	25.25	11.40	26	3110	8.61	19.50
	32.	32.31	45	2940	14.10	13.50	30	3110	9.87	17.00	90	2330	22.35	12.00	22	3110	7.46	19.80
	36.	35.67	41	2970	12.90	14.70	27	3110	8.94	18.70	81	2350	20.41	12.50	20	3110	6.75	19.80
	45.	43.35	33	3060	10.94	16.80	22	3110	7.36	16.90	67	2420	17.30	13.30	17	3110	5.56	16.70
50.	49.07	30	2860	9.03	20.50	20	2860	5.98	20.50	59	2430	15.34	14.90	15	2870	4.53	20.50	
56.	55.18	26	2650	7.44	20.50	17	2650	4.93	20.50	53	2430	13.65	16.50	13	2650	3.72	20.50	
M0932	56.	59.07	25	3110	8.24	20.50	16	3110	5.46	20.50	49	2660	14.10	15.10	12	3110	4.12	20.50
	63.	64.64	22	3110	7.53	20.50	15	3110	4.99	20.50	45	2730	13.22	15.70	11	3110	3.77	20.50
	71.	73.13	20	3110	6.66	20.50	13	3110	4.41	20.50	40	2830	12.11	16.40	9.9	3110	3.33	20.50
	80.	82.55	18	3110	5.90	20.50	12	3110	3.90	20.50	35	2940	11.15	17.20	8.8	3110	2.95	20.50
	100	100.1	14	3110	4.86	20.50	9.6	3110	3.22	20.50	29	3110	9.73	18.60	7.2	3110	2.43	20.50
	112	116.7	12	3110	4.17	20.50	8.2	3110	2.76	20.50	25	3110	8.34	20.50	6.2	3110	2.09	20.50
	125	128.2	11	3110	3.80	20.50	7.5	3110	2.51	20.50	23	3110	7.59	20.50	5.7	3110	1.90	20.50
	160	157.1	9.2	3110	3.10	20.50	6.1	3110	2.05	20.50	18	3110	6.20	20.50	4.6	3110	1.55	20.50
	180	171.6	8.4	3110	2.84	20.50	5.6	3110	1.88	20.50	17	3110	5.67	20.50	4.2	3110	1.42	20.50
	200	197.5	7.3	3110	2.46	20.50	4.9	3110	1.63	20.50	15	3110	4.93	20.50	3.7	3110	1.23	20.50
M0942	225	231.8	6.3	3110	2.16	20.50	4.1	3110	1.43	20.50	13	3110	4.31	20.50	3.1	3110	1.08	20.50
	250	258.1	5.6	3110	1.94	20.50	3.7	3110	1.28	20.50	11	3110	3.87	20.50	2.8	3110	0.97	20.50
	280	286.7	5.1	3110	1.74	20.50	3.3	3110	1.15	20.50	10	3110	3.49	20.50	2.5	3110	0.87	20.50
	300	300.2	4.8	3110	1.66	20.50	3.2	3110	1.10	20.50	9.7	3110	3.33	20.50	2.4	3110	0.83	20.50
	360	358.0	4.1	3110	1.40	20.50	2.7	3110	0.92	20.50	8.1	3110	2.79	20.50	2.0	3110	0.70	20.50
	400	397.7	3.6	3110	1.26	20.50	2.4	3110	0.83	20.50	7.3	3110	2.51	20.50	1.8	3110	0.63	20.50
	450	452.9	3.2	3110	1.10	20.50	2.1	3110	0.73	20.50	6.4	3110	2.21	20.50	1.6	3110	0.55	20.50
	500	503.2	2.9	3110	0.99	20.50	1.9	3110	0.66	20.50	5.8	3110	1.99	20.50	1.4	3110	0.50	20.50
	650	665.8	2.2	3110	0.75	20.50	1.4	3110	0.50	20.50	4.4	3110	1.50	20.50	1.1	3110	0.38	20.50
	730	736.4	2.0	3110	0.68	20.50	1.3	3110	0.45	20.50	3.9	3110	1.36	20.50	0.98	3110	0.34	20.50
	860	882.1	1.6	3110	0.57	20.50	1.1	3110	0.38	20.50	3.3	3110	1.13	20.50	0.82	3110	0.28	20.50
	10C	1040	1.4	3110	0.48	20.50	0.92	3110	0.32	20.50	2.8	3110	0.96	20.50	0.70	3110	0.24	20.50
	11C	1139	1.3	3110	0.44	20.50	0.84	3110	0.29	20.50	2.5	3110	0.88	20.50	0.64	3110	0.22	20.50
	13C	1257	1.2	3110	0.40	20.50	0.76	3110	0.26	20.50	2.3	3110	0.79	20.50	0.58	3110	0.20	20.50
	15C	1528	0.95	3110	0.33	20.50	0.63	3110	0.22	20.50	1.9	3110	0.65	20.50	0.47	3110	0.16	20.50
	18C	1873	0.77	3110	0.27	20.50	0.51	3110	0.18	20.50	1.5	3110	0.53	20.50	0.39	3110	0.13	20.50
	20C	2087	0.69	3110	0.24	20.50	0.46	3110	0.16	20.50	1.4	3110	0.48	20.50	0.35	3110	0.12	20.50
24C	2341	0.62	3110	0.21	20.50	0.41	3110	0.14	20.50	1.2	3110	0.43	20.50	0.31	3110	0.11	20.50	
27C	2650	0.55	3110	0.19	20.50	0.36	3110	0.12	20.50	1.1	3110	0.38	20.50	0.27	3110	0.094	20.50	
M0952	27C	2700	0.54	3110	0.19	20.50	0.36	3110	0.12	20.50	1.1	3110	0.37	20.50	0.27	3110	0.093	20.50
	32C	3240	0.45	3110	0.16	20.50	0.30	3110	0.10	20.50	0.90	3110	0.31	20.50	0.22	3110	0.078	20.50
	36C	3651	0.40	3110	0.14	20.50	0.26	3110	0.091	20.50	0.79	3110	0.28	20.50	0.20	3110	0.069	20.50
	40C	4131	0.35	3110	0.12	20.50	0.23	3110	0.081	20.50	0.70	3110	0.24	20.50	0.18	3110	0.061	20.50
	46C	4655	0.31	3110	0.11	20.50	0.21	3110	0.071	20.50	0.62	3110	0.22	20.50	0.16	3110	0.054	20.50
	55C	5563	0.26	3110	0.090	20.50	0.17	3110	0.060	20.50	0.52	3110	0.18	20.50	0.13	3110	0.045	20.50
	65C	6577	0.22	3110	0.076	20.50	0.15	3110	0.051	20.50	0.44	3110	0.15	20.50	0.11	3110	0.038	20.50
	74C	7444	0.19	3110	0.067	20.50	0.13	3110	0.045	20.50	0.39	3110	0.13	20.50	0.097	3110	0.034	20.50
	84C	8449	0.17	3110	0.059	20.50	0.11	3110	0.039	20.50	0.34	3110	0.12	20.50	0.086	3110	0.030	20.50
	95C	9605	0.15	3110	0.052	20.50	0.10	3110	0.035	20.50	0.30	3110	0.10	20.50	0.075	3110	0.026	20.50
10K	10801	0.13	3110	0.047	20.50	0.089	3110	0.031	20.50	0.27	3110	0.093	20.50	0.067	3110	0.023	20.50	



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M1022	3.6	3.54	410	1760	77.14	20.70	272	1770	51.36	23.50	820	1760	154.27	13.30	205	1770	38.79	24.70
	5.0	4.94	294	2470	77.50	21.90	194	2470	51.31	21.60	587	2260	141.82	12.00	147	2470	38.75	24.10
	5.6	5.37	270	2690	77.61	20.80	179	2690	51.38	20.10	540	2340	135.02	12.20	135	2690	38.80	22.80
	6.3	6.10	238	3020	76.70	19.00	157	3050	51.29	17.70	475	2450	124.45	12.60	119	3060	38.86	20.60
	8.0	7.95	183	3330	64.94	14.30	121	3760	48.54	13.40	365	2700	105.30	13.60	91	3980	38.81	14.40
	9.0	8.58	169	3420	61.77	13.40	112	3870	46.28	13.20	338	2780	100.42	13.90	85	4210	38.02	13.00
	11.	11.02	132	3730	52.44	12.90	87	4220	39.28	12.60	263	3020	84.92	14.10	66	4590	32.27	12.30
	12.	12.51	116	3890	48.18	12.70	77	4400	36.08	12.30	232	3160	78.27	13.70	58	4790	29.66	11.90
	14.	14.16	102	4050	44.31	12.40	68	4590	33.25	11.90	205	3290	71.99	13.20	51	4850	26.53	13.70
	16.	15.98	91	3670	35.58	17.50	60	3670	23.56	22.30	181	3470	67.29	12.20	45	3680	17.84	27.80
	18.	17.75	82	4090	35.70	14.60	54	4090	23.64	20.10	163	3540	61.80	12.50	41	4090	17.85	26.00
	20.	19.41	75	4460	35.60	11.90	49	4470	23.62	18.20	149	3650	58.27	12.40	37	4470	17.84	24.30
	22.	21.57	67	4650	33.40	11.40	45	4690	22.30	18.20	134	3770	54.16	12.20	34	4690	16.84	24.50
	28.	25.49	57	4700	28.57	13.10	38	4700	18.91	21.80	114	3980	48.38	12.00	28	4700	14.28	28.50
	32.	30.76	47	5000	25.18	13.70	31	5000	16.67	23.00	94	4220	42.51	11.70	24	5000	12.59	30.00
	36.	35.44	41	5000	21.86	16.80	27	5000	14.47	26.50	82	4410	38.56	11.40	20	5000	10.93	30.00
	45.	41.12	35	5000	18.84	20.10	23	5000	12.47	30.00	71	4640	34.96	10.90	18	5000	9.42	30.00
	50.	47.93	30	4260	13.77	30.00	20	4260	9.12	30.00	61	4250	27.48	16.60	15	4260	6.89	30.00
56.	51.49	28	3870	11.64	30.00	19	3870	7.71	30.00	56	3870	23.29	21.50	14	3870	5.82	30.00	
M1032	56.	57.63	25	4780	12.98	30.00	17	4780	8.60	30.00	50	3920	21.29	23.20	13	4780	6.49	30.00
	63.	65.24	22	4780	11.47	30.00	15	4780	7.59	30.00	44	4070	19.53	24.30	11	4780	5.73	30.00
	71.	72.62	20	4780	10.30	30.00	13	4780	6.82	30.00	40	4200	18.11	25.40	10	4780	5.15	30.00
	80.	80.68	18	4780	9.27	30.00	12	4780	6.14	30.00	36	4340	16.84	26.40	9.0	4780	4.64	30.00
	100	98.68	15	4780	7.58	30.00	9.7	4780	5.02	30.00	29	4610	14.62	28.60	7.3	4780	3.79	30.00
	112	114.0	13	4780	6.56	30.00	8.4	4780	4.35	30.00	25	4780	13.13	30.00	6.4	4780	3.28	30.00
	125	125.8	12	4780	5.95	30.00	7.6	4780	3.94	30.00	23	4780	11.90	30.00	5.8	4780	2.97	30.00
	160	152.9	9.5	4780	4.89	30.00	6.3	4780	3.24	30.00	19	4780	9.79	30.00	4.7	4780	2.45	30.00
	180	173.1	8.4	4780	4.32	30.00	5.5	4780	2.86	30.00	17	4780	8.64	30.00	4.2	4780	2.16	30.00
	200	194.6	7.5	4780	3.84	30.00	4.9	4780	2.55	30.00	15	4780	7.69	30.00	3.7	4780	1.92	30.00
M1042	225	220.2	6.6	4780	3.49	30.00	4.4	4780	2.31	30.00	13	4780	6.97	30.00	3.3	4780	1.74	30.00
	250	254.6	5.7	4780	3.02	30.00	3.8	4780	2.00	30.00	11	4780	6.03	30.00	2.8	4780	1.51	30.00
	280	278.4	5.2	4780	2.76	30.00	3.4	4780	1.83	30.00	10	4780	5.52	30.00	2.6	4780	1.38	30.00
	300	309.3	4.7	4780	2.48	30.00	3.1	4780	1.64	30.00	9.4	4780	4.97	30.00	2.3	4780	1.24	30.00
	360	365.6	4.0	4780	2.10	30.00	2.6	4780	1.39	30.00	7.9	4780	4.20	30.00	2.0	4780	1.05	30.00
	400	398.7	3.6	4780	1.93	30.00	2.4	4780	1.28	30.00	7.3	4780	3.85	30.00	1.8	4780	0.96	30.00
	450	457.2	3.2	4780	1.68	30.00	2.1	4780	1.11	30.00	6.3	4780	3.36	30.00	1.6	4780	0.84	30.00
	500	500.9	2.9	4780	1.53	30.00	1.9	4780	1.02	30.00	5.8	4780	3.07	30.00	1.4	4780	0.77	30.00
	650	635.7	2.3	4780	1.21	30.00	1.5	4780	0.80	30.00	4.6	4780	2.42	30.00	1.1	4780	0.60	30.00
	730	728.0	2.0	4780	1.05	30.00	1.3	4780	0.70	30.00	4.0	4780	2.11	30.00	1.0	4780	0.53	30.00
	860	844.7	1.7	4780	0.91	30.00	1.1	4780	0.60	30.00	3.4	4780	1.82	30.00	0.86	4780	0.45	30.00
	10C	987.8	1.5	4780	0.78	30.00	0.97	4780	0.51	30.00	2.9	4780	1.55	30.00	0.73	4780	0.39	30.00
	11C	1107	1.3	4780	0.69	30.00	0.87	4780	0.46	30.00	2.6	4780	1.39	30.00	0.65	4780	0.35	30.00
	13C	1321	1.1	4780	0.58	30.00	0.73	4780	0.38	30.00	2.2	4780	1.16	30.00	0.55	4780	0.29	30.00
	15C	1496	0.97	4780	0.51	30.00	0.64	4780	0.34	30.00	1.9	4780	1.03	30.00	0.48	4780	0.26	30.00
18C	1736	0.84	4780	0.44	30.00	0.55	4780	0.29	30.00	1.7	4780	0.88	30.00	0.42	4780	0.22	30.00	
20C	1997	0.73	4780	0.38	30.00	0.48	4780	0.25	30.00	1.5	4780	0.77	30.00	0.36	4780	0.19	30.00	
24C	2327	0.62	4780	0.33	30.00	0.41	4780	0.22	30.00	1.2	4780	0.66	30.00	0.31	4780	0.16	30.00	
27C	2778	0.52	4780	0.28	30.00	0.35	4780	0.18	30.00	1.0	4780	0.55	30.00	0.26	4780	0.14	30.00	
M1052	27C	2748	0.53	4780	0.28	30.00	0.35	4780	0.19	30.00	1.1	4780	0.56	30.00	0.26	4780	0.14	30.00
	32C	3247	0.45	4780	0.24	30.00	0.30	4780	0.16	30.00	0.89	4780	0.48	30.00	0.22	4780	0.12	30.00
	36C	3578	0.41	4780	0.22	30.00	0.27	4780	0.14	30.00	0.81	4780	0.43	30.00	0.20	4780	0.11	30.00
	40C	3979	0.36	4780	0.19	30.00	0.24	4780	0.13	30.00	0.73	4780	0.39	30.00	0.18	4780	0.097	30.00
	46C	4515	0.32	4780	0.17	30.00	0.21	4780	0.11	30.00	0.64	4780	0.34	30.00	0.16	4780	0.086	30.00
	55C	5533	0.26	4780	0.14	30.00	0.17	4780	0.092	30.00	0.52	4780	0.28	30.00	0.13	4780	0.070	30.00
	65C	6420	0.23	4780	0.12	30.00	0.15	4780	0.080	30.00	0.45	4780	0.24	30.00	0.11	4780	0.060	30.00
	74C	7483	0.19	4780	0.10	30.00	0.13	4780	0.068	30.00	0.39	4780	0.21	30.00	0.097	4780	0.052	30.00
	84C	8340	0.17	4780	0.093	30.00	0.12	4780	0.061	30.00	0.35	4780	0.19	30.00	0.087	4780	0.046	30.00
	95C	9353	0.16	4780	0.083	30.00	0.10	4780	0.055	30.00	0.31	4780	0.17	30.00	0.078	4780	0.041	30.00
10K	10049	0.14	4780	0.077	30.00	0.096	4780	0.051	30.00	0.29	4780	0.15	30.00	0.072	4780	0.038	30.00	



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M1322	3.6	3.793	382	2360	96.40	48.00	253	2360	63.82	48.00	765	2350	191.98	44.80	191	2360	48.20	48.00
	5.0	5.257	276	3270	96.37	48.00	183	3270	63.80	48.00	552	3260	192.15	46.30	138	3270	48.19	48.00
	5.6	5.774	251	3590	96.33	48.00	166	3590	63.78	48.00	502	3590	192.66	46.50	126	3590	48.16	48.00
	6.3	6.349	228	3950	96.39	48.00	151	3950	63.82	48.00	457	3950	192.78	46.70	114	3950	48.19	48.00
	8.0	8.111	179	5050	96.46	48.00	118	5050	63.86	48.00	358	5050	192.92	46.60	89	5050	48.23	48.00
	9.0	8.985	161	5590	96.39	48.00	107	5590	63.82	48.00	323	5590	192.78	46.20	81	5590	48.20	48.00
	11.	11.81	123	7340	96.29	48.00	81	7350	63.84	46.10	246	7350	192.84	48.00	61	7350	48.21	46.10
	12.	12.92	112	7920	94.97	48.00	74	8030	63.75	44.90	224	7430	178.19	48.00	56	8040	48.21	44.70
	14.	14.63	99	8010	84.83	47.20	66	8220	57.63	44.30	198	7520	159.27	48.00	50	8220	43.52	44.30
	16.	16.12	90	8090	77.75	46.30	60	8420	53.58	43.90	180	7580	145.70	48.00	45	8550	41.09	43.60
	18.	18.02	80	8180	70.33	45.00	53	8410	47.87	43.90	161	7650	131.55	48.00	40	8410	36.15	43.90
	20.	20.86	70	8300	61.65	44.10	46	8650	42.53	43.40	139	7760	115.27	48.00	35	8900	33.05	42.90
	22.	23.51	62	8400	55.36	44.00	41	8750	38.18	43.20	123	7850	103.46	47.20	31	8880	29.26	42.90
	28.	27.08	54	8510	48.69	43.70	35	8890	33.67	42.90	107	7950	90.97	46.40	27	9150	26.17	42.30
	32.	33.25	44	8700	40.54	43.30	29	9080	28.01	42.40	87	8110	75.58	44.50	22	9360	21.81	41.90
	36.	37.03	39	8800	36.82	43.00	26	9190	25.46	42.20	78	8200	68.62	44.40	20	9470	19.81	41.60
	45.	43.25	34	7720	27.65	45.40	22	7720	18.31	45.40	67	7710	55.24	45.40	17	7720	13.83	45.40
	50.	50.70	29	5910	18.06	48.00	19	5910	11.96	48.00	57	5900	36.06	48.00	14	5910	9.03	48.00
56.	53.94	27	6290	18.07	48.00	18	6290	11.96	48.00	54	6280	36.08	48.00	13	6290	9.03	48.00	
M1332	56.	59.76	24	9230	24.18	48.00	16	9650	16.73	48.00	49	7430	38.92	48.00	12	9700	12.70	48.00
	63.	66.40	22	9360	22.06	48.00	14	9700	15.14	48.00	44	7510	35.41	48.00	11	9700	11.43	48.00
	71.	72.60	20	9470	20.42	48.00	13	9700	13.85	48.00	40	7680	33.12	48.00	10	9700	10.46	48.00
	80.	80.68	18	9570	18.57	48.00	12	9700	12.46	48.00	36	7760	30.11	48.00	9.0	9700	9.41	48.00
	100	95.34	15	9700	15.93	48.00	10	9700	10.54	48.00	30	8090	26.56	48.00	7.6	9700	7.96	48.00
	112	115.1	13	9700	13.19	48.00	8.3	9700	8.74	48.00	25	8260	22.47	48.00	6.3	9700	6.60	48.00
	125	132.6	11	9700	11.45	48.00	7.2	9700	7.58	48.00	22	8350	19.72	48.00	5.5	9700	5.73	48.00
	160	153.8	9.4	9700	9.87	48.00	6.2	9700	6.54	48.00	19	8600	17.50	48.00	4.7	9700	4.94	48.00
	180	179.3	8.1	9700	8.47	48.00	5.4	9700	5.61	48.00	16	8620	15.05	48.00	4.0	9700	4.23	48.00
	200	192.6	7.5	9700	7.88	48.00	5.0	9410	5.06	48.00	15	8870	14.42	48.00	3.8	9410	3.82	48.00
M1342	225	224.9	6.4	9700	6.93	48.00	4.3	9700	4.59	48.00	13	9700	13.86	48.00	3.2	9700	3.47	48.00
	250	258.4	5.6	9700	6.03	48.00	3.7	9700	3.99	48.00	11	9700	12.06	48.00	2.8	9700	3.02	48.00
	280	289.2	5.0	9700	5.39	48.00	3.3	9700	3.57	48.00	10	9700	10.78	48.00	2.5	9700	2.69	48.00
	300	323.2	4.5	9700	4.82	48.00	3.0	9700	3.19	48.00	9.0	9700	9.64	48.00	2.2	9700	2.41	48.00
	360	370.1	3.9	9700	4.21	48.00	2.6	9700	2.79	48.00	7.8	9700	8.42	48.00	2.0	9700	2.11	48.00
	400	418.5	3.5	9700	3.72	48.00	2.3	9700	2.47	48.00	6.9	9700	7.45	48.00	1.7	9700	1.86	48.00
	450	483.0	3.0	9700	3.23	48.00	2.0	9700	2.14	48.00	6.0	9700	6.45	48.00	1.5	9700	1.61	48.00
	500	546.1	2.7	9700	2.85	48.00	1.8	9700	1.89	48.00	5.3	9700	5.71	48.00	1.3	9700	1.43	48.00
	650	664.2	2.2	9700	2.35	48.00	1.4	9700	1.55	48.00	4.4	9700	4.69	48.00	1.1	9700	1.17	48.00
	730	729.1	2.0	9700	2.14	48.00	1.3	9700	1.42	48.00	4.0	9700	4.27	48.00	0.99	9700	1.07	48.00
	860	860.0	1.7	9700	1.81	48.00	1.1	9700	1.20	48.00	3.4	9700	3.62	48.00	0.84	9700	0.91	48.00
	10C	997.1	1.5	9700	1.56	48.00	0.96	9700	1.03	48.00	2.9	9700	3.13	48.00	0.73	9700	0.78	48.00
	11C	1068	1.4	9700	1.46	48.00	0.90	9700	0.97	48.00	2.7	9700	2.92	48.00	0.68	9700	0.73	48.00
	13C	1302	1.1	9700	1.20	48.00	0.74	9700	0.79	48.00	2.2	9700	2.39	48.00	0.56	9700	0.60	48.00
	15C	1521	0.95	9700	1.02	48.00	0.63	9700	0.68	48.00	1.9	9700	2.05	48.00	0.48	9700	0.51	48.00
	18C	1798	0.81	9700	0.87	48.00	0.53	9700	0.57	48.00	1.6	9700	1.73	48.00	0.40	9700	0.43	48.00
	20C	1798	0.81	9700	0.87	48.00	0.53	9700	0.57	48.00	1.6	9700	1.73	48.00	0.40	9700	0.43	48.00
24C	2334	0.62	9700	0.67	48.00	0.41	9700	0.44	48.00	1.2	9700	1.34	48.00	0.31	9700	0.33	48.00	
27C	2911	0.50	9700	0.54	48.00	0.33	9700	0.35	48.00	1.0	9700	1.07	48.00	0.25	9700	0.27	48.00	
M1352	27C	2735	0.53	9700	0.57	48.00	0.35	9700	0.38	48.00	1.1	9700	1.15	48.00	0.27	9700	0.29	48.00
	32C	3150	0.46	9700	0.50	48.00	0.30	9700	0.33	48.00	0.92	9700	0.99	48.00	0.23	9700	0.25	48.00
	36C	3670	0.40	9700	0.43	48.00	0.26	9700	0.28	48.00	0.79	9700	0.85	48.00	0.20	9700	0.21	48.00
	40C	4091	0.35	9700	0.38	48.00	0.23	9700	0.25	48.00	0.71	9700	0.77	48.00	0.18	9700	0.19	48.00
	46C	4588	0.32	9700	0.34	48.00	0.21	9700	0.23	48.00	0.63	9700	0.68	48.00	0.16	9700	0.17	48.00
	55C	6443	0.23	9700	0.24	48.00	0.15	9700	0.16	48.00	0.45	9700	0.49	48.00	0.11	9700	0.12	48.00
	65C	7226	0.20	9700	0.22	48.00	0.13	9700	0.14	48.00	0.40	9700	0.43	48.00	0.10	9700	0.11	48.00
	74C	7527	0.19	9700	0.21	48.00	0.13	9700	0.14	48.00	0.39	9700	0.42	48.00	0.10	9700	0.10	48.00
	84C	8441	0.17	9700	0.19	48.00	0.11	9700	0.12	48.00	0.34	9700	0.37	48.00	0.086	9700	0.093	48.00
	95C	9895	0.15	9700	0.16	48.00	0.097	9700	0.10	48.00	0.29	9700	0.32	48.00	0.073	9700	0.079	48.00
10K	10527	0.14	9700	0.15	48.00	0.091	9700	0.099	48.00	0.28	9700	0.30	48.00	0.069	9700	0.074	48.00	



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

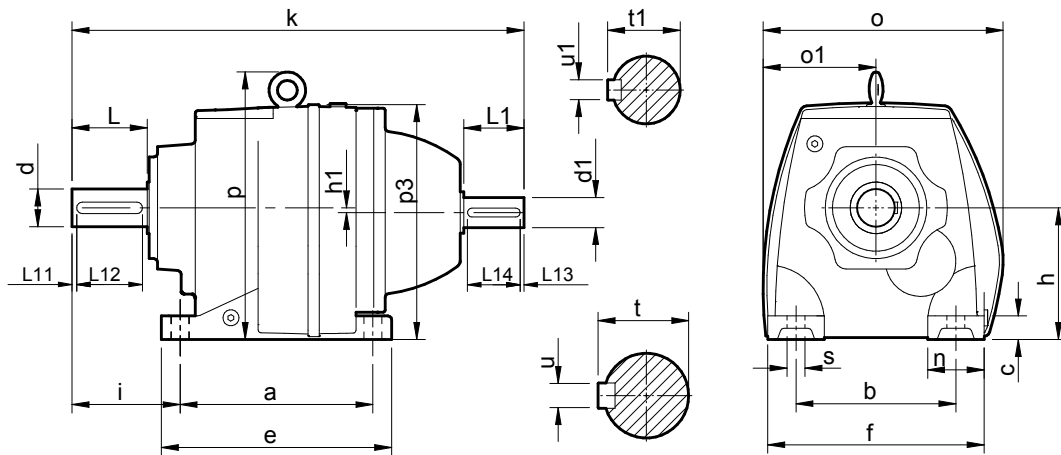
	n1 = 1450						n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M1422	3.6	3.754	386	5340	222.00	60.30	256	5340	147.00	68.00	773	5340	444.00	45.10	193	5330	111.00	68.00
	5.0	5.238	277	7450	222.00	65.60	183	7450	147.00	68.00	554	7100	423.00	46.00	138	7450	111.00	68.00
	5.6	5.898	246	8390	222.00	67.30	163	8390	147.00	68.00	492	7640	405.00	47.70	123	8380	111.00	68.00
	6.3	6.633	219	9440	222.00	67.80	145	9430	147.00	68.00	437	8200	386.00	48.60	109	9430	111.00	68.00
	8.0	8.512	170	11200	206.00	68.00	113	11500	139.00	68.00	341	9110	334.00	52.00	85	11500	105.00	68.00
	9.0	9.452	153	11700	193.00	68.00	102	12300	134.00	68.00	307	9480	313.00	53.20	77	12300	101.00	68.00
	11.	11.80	123	12300	163.00	68.00	81	12800	112.00	68.00	246	10200	271.00	55.80	61	13000	86.10	68.00
	12.	13.08	111	12400	148.00	68.00	73	12900	102.00	68.00	222	10400	248.00	66.00	55	13000	77.70	68.00
	14.	14.86	98	12500	132.00	68.00	65	13000	90.70	68.00	195	10800	227.00	68.00	49	13000	68.40	68.00
	16.	17.02	85	12700	117.00	68.00	56	13000	79.20	68.00	170	11100	205.00	68.00	43	13000	59.80	68.00
	18.	18.30	79	12800	110.00	68.00	52	13000	73.70	68.00	158	11300	194.00	68.00	40	13000	55.60	68.00
	20.	21.36	68	13000	95.50	68.00	45	13000	63.20	68.00	136	11700	172.00	68.00	34	13000	47.70	68.00
	22.	23.55	62	13000	86.70	68.00	41	13000	57.40	68.00	123	12000	161.00	68.00	31	13000	43.30	68.00
	28.	28.24	51	13000	72.40	68.00	34	13000	47.90	68.00	103	12500	139.00	68.00	26	13000	36.20	68.00
	32.	33.89	43	13000	60.40	68.00	28	13000	40.00	68.00	86	12400	115.00	68.00	21	13000	30.20	68.00
	36.	36.72	39	13000	55.60	68.00	26	13000	36.80	68.00	79	12700	109.00	68.00	20	13000	27.80	68.00
	45.	42.95	34	7490	27.50	68.00	22	7490	18.20	68.00	68	7480	55.00	68.00	17	7490	13.70	68.00
	50.	50.36	29	8020	25.10	68.00	19	8020	16.60	68.00	58	8010	50.10	68.00	14	8020	12.50	68.00
56.	56.49	26	8320	23.20	68.00	17	8320	15.40	68.00	51	8310	46.50	68.00	13	8320	11.60	68.00	
M1432	56.	61.61	24	13000	33.50	68.00	16	13000	22.10	68.00	47	10900	56.10	68.00	12	13000	16.70	68.00
	63.	68.46	21	12700	29.40	68.00	14	13000	19.90	68.00	42	10600	49.40	68.00	11	13000	15.00	68.00
	71.	74.85	19	13000	27.40	68.00	13	13000	18.20	68.00	39	11000	46.70	68.00	10	13000	13.70	68.00
	80.	83.17	17	13000	24.80	68.00	12	13000	16.40	68.00	35	11400	43.40	68.00	9	13000	12.40	68.00
	100	98.30	15	13000	21.00	68.00	10	13000	13.90	68.00	30	12100	39.00	68.00	7	13000	10.50	68.00
	112	118.6	12	13000	17.40	68.00	8	13000	11.50	68.00	24	12800	34.20	68.00	6	13000	8.69	68.00
	125	136.7	11	13000	15.10	68.00	7	13000	10.00	68.00	21	13000	30.30	68.00	5	13000	7.55	68.00
	160	158.6	9	13000	13.00	68.00	6	13000	8.63	68.00	18	13000	26.10	68.00	5	13000	6.51	68.00
	180	184.8	8	13000	11.20	68.00	5	13000	7.42	68.00	16	13000	22.40	68.00	4	13000	5.60	68.00
	200	198.6	7	13000	10.40	68.00	5	13000	6.91	68.00	15	13000	20.90	68.00	4	13000	5.22	68.00
M1442	225	228.4	6.3	13000	9.15	68.00	4.2	13000	6.06	68.00	13	13000	18.29	68.00	3.2	13000	4.57	68.00
	250	262.4	5.5	13000	7.96	68.00	3.7	13000	5.27	68.00	11	13000	15.92	68.00	2.8	13000	3.98	68.00
	280	276.9	5.2	13000	7.54	68.00	3.5	13000	4.99	68.00	10	13000	15.09	68.00	2.6	13000	3.77	68.00
	300	337.7	4.3	13000	6.19	68.00	2.8	13000	4.10	68.00	8.6	13000	12.37	68.00	2.1	13000	3.09	68.00
	360	352.5	4.1	13000	5.93	68.00	2.7	13000	3.92	68.00	8.2	13000	11.85	68.00	2.1	13000	2.96	68.00
	400	405.1	3.6	13000	5.16	68.00	2.4	13000	3.41	68.00	7.2	13000	10.31	68.00	1.8	13000	2.58	68.00
	450	459.3	3.2	13000	4.55	68.00	2.1	13000	3.01	68.00	6.3	13000	9.09	68.00	1.6	13000	2.27	68.00
	500	506.6	2.9	13000	4.12	68.00	1.9	13000	2.73	68.00	5.7	13000	8.25	68.00	1.4	13000	2.06	68.00
	650	656.0	2.2	13000	3.18	68.00	1.5	13000	2.11	68.00	4.4	13000	6.37	68.00	1.1	13000	1.59	68.00
	730	754.3	1.9	13000	2.77	68.00	1.3	13000	1.83	68.00	3.8	13000	5.54	68.00	0.96	13000	1.38	68.00
	860	852.9	1.7	13000	2.45	68.00	1.1	13000	1.62	68.00	3.4	13000	4.90	68.00	0.85	13000	1.22	68.00
	10C	997.5	1.5	13000	2.09	68.00	1.0	13000	1.39	68.00	2.9	13000	4.19	68.00	0.73	13000	1.05	68.00
	11C	1156	1.3	13000	1.81	68.00	0.83	13000	1.20	68.00	2.5	13000	3.61	68.00	0.63	13000	0.90	68.00
	13C	1292	1.1	13000	1.62	68.00	0.74	13000	1.07	68.00	2.2	13000	3.23	68.00	0.56	13000	0.81	68.00
	15C	1511	0.96	13000	1.38	68.00	0.64	13000	0.92	68.00	1.9	13000	2.77	68.00	0.48	13000	0.69	68.00
	18C	1813	0.80	13000	1.15	68.00	0.53	13000	0.76	68.00	1.6	13000	2.30	68.00	0.40	13000	0.58	68.00
	20C	1981	0.73	13000	1.05	68.00	0.48	13000	0.70	68.00	1.5	13000	2.11	68.00	0.37	13000	0.53	68.00
24C	2445	0.59	13000	0.85	68.00	0.39	13000	0.57	68.00	1.2	13000	1.71	68.00	0.30	13000	0.43	68.00	
27C	2717	0.53	13000	0.77	68.00	0.35	13000	0.51	68.00	1.1	13000	1.54	68.00	0.27	13000	0.38	68.00	
M1452	27C	2739	0.53	13000	0.77	68.00	0.35	13000	0.51	68.00	1.1	13000	1.53	68.00	0.26	13000	0.38	68.00
	32C	3286	0.44	13000	0.64	68.00	0.29	13000	0.42	68.00	0.88	13000	1.28	68.00	0.22	13000	0.32	68.00
	36C	3598	0.40	13000	0.58	68.00	0.27	13000	0.39	68.00	0.81	13000	1.17	68.00	0.20	13000	0.29	68.00
	40C	3943	0.37	13000	0.53	68.00	0.24	13000	0.35	68.00	0.74	13000	1.07	68.00	0.18	13000	0.27	68.00
	46C	4678	0.31	13000	0.45	68.00	0.21	13000	0.30	68.00	0.62	13000	0.90	68.00	0.15	13000	0.22	68.00
	55C	5471	0.27	13000	0.38	68.00	0.18	13000	0.25	68.00	0.53	13000	0.77	68.00	0.13	13000	0.19	68.00
	65C	6390	0.23	13000	0.33	68.00	0.15	13000	0.22	68.00	0.45	13000	0.66	68.00	0.11	13000	0.16	68.00
	74C	7473	0.19	13000	0.28	68.00	0.13	13000	0.19	68.00	0.39	13000	0.56	68.00	0.10	13000	0.14	68.00
	84C	8381	0.17	13000	0.25	68.00	0.11	13000	0.17	68.00	0.35	13000	0.50	68.00	0.09	13000	0.13	68.00
	95C	9827	0.15	13000	0.21	68.00	0.10	13000	0.14	68.00	0.30	13000	0.43	68.00	0.07	13000	0.11	68.00
	10K	11024	0.13	13000	0.19	68.00	0.09	13000	0.13	68.00	0.26	13000	0.38	68.00	0.07	13000	0.10	68.00



Key: Pm= Input Power (kW) M2= Output Torque (Nm) i= Exact Ratio n2= Output Speed (rpm) Fra = Overhung load (kN)

			n1 = 1450				n1 = 960				n1 = 2900				n1 = 725			
	in	i	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra	n2	M2	Pm	Fra
M1622	5.0	4.950	293	19200	603.00	75.00	194	19200	400.00	75.00	586	17300	1080.00	61.00	146	19200	302.00	75.00
	5.6	5.353	271	19400	563.00	75.00	179	19400	374.00	75.00	542	17700	1030.00	61.00	135	19400	283.00	75.00
	6.3	6.257	232	19400	483.00	75.00	153	19500	321.00	75.00	464	19000	945.00	61.00	116	19500	243.00	75.00
	8.0	8.193	177	19900	374.44	75.00	117	19900	247.51	75.00	354	19900	748.89	73.00	88	19900	186.16	75.00
	9.0	9.353	155	20200	332.85	75.00	103	20200	221.18	75.00	310	20200	665.69	75.00	78	20200	167.50	75.00
	11.	11.17	130	20500	283.31	75.00	86	20500	187.42	75.00	260	20500	566.61	75.00	65	20500	141.65	75.00
	12.	12.67	114	20600	249.65	75.00	76	20600	166.43	75.00	229	20600	501.49	75.00	57	20600	124.83	75.00
	14.	14.01	104	17900	200.00	75.00	69	17900	132.00	75.00	207	17900	400.00	75.00	52	17900	100.00	75.00
	16.	16.19	90	20200	193.27	75.00	59	20200	126.70	75.00	179	20200	384.38	75.00	45	20200	96.63	75.00
	18.	17.49	83	20600	181.76	75.00	55	20600	120.45	75.00	166	20600	363.53	75.00	41	20600	89.79	75.00
	20.	20.39	71	20600	155.48	75.00	47	20600	102.93	75.00	142	20600	310.97	75.00	36	20600	78.84	75.00
	22.	23.51	62	20600	135.77	75.00	41	20600	89.79	75.00	123	20600	269.36	75.00	31	20600	67.89	75.00
	28.	27.26	53	20600	116.07	75.00	35	20600	76.65	75.00	106	20600	232.13	75.00	27	20600	59.13	75.00
	32.	31.41	46	19600	97.90	75.00	31	19600	64.80	75.00	92	19600	196.00	75.00	23	19600	49.00	75.00
	36.	37.54	39	16600	69.60	75.00	26	16600	46.00	75.00	77	16600	139.00	75.00	19	16600	34.80	75.00
	45.	45.05	32	11100	38.70	75.00	21	11100	25.60	75.00	64	11000	77.30	75.00	16	11100	19.30	75.00
M1632	56.	59.38	24	20700	55.34	75.00	16	20700	36.57	75.00	49	20700	107.51	75.00	12	20700	27.61	75.00
	63.	63.82	23	20700	51.54	75.00	15	20700	34.04	75.00	45	20700	102.34	75.00	11	20700	25.72	75.00
	71.	74.49	19	20700	44.16	75.00	13	20700	29.20	75.00	39	20700	88.43	75.00	10	20700	22.03	75.00
	80.	82.13	18	20700	40.05	75.00	12	20700	26.56	75.00	35	20700	80.21	75.00	9	20700	20.03	75.00
	100	98.51	15	20700	33.52	75.00	10	20700	22.13	75.00	29	20700	67.03	75.00	7	20700	16.76	75.00
	112	118.2	12	20700	27.93	75.00	8	20700	18.55	75.00	25	20700	55.97	75.00	6	20700	14.02	75.00
	125	128.1	11	20700	25.72	75.00	7	20700	17.07	75.00	23	20700	51.54	75.00	6	20700	12.86	75.00
	160	149.8	10	20700	22.03	75.00	6	20700	14.65	75.00	19	20700	44.16	75.00	5	20700	11.07	75.00
	180	175.6	8	19100	17.30	75.00	5	19100	11.50	75.00	17	19100	34.70	75.00	4	19100	8.67	75.00
	200	197.0	7	14600	11.90	75.00	5	14600	7.85	75.00	15	14600	23.70	75.00	4	14600	5.93	75.00
	M1642	225	228.8	6.3	20700	14.53	75.00	4.2	20700	9.62	75.00	13	20700	29.07	75.00	3.2	20700	7.27
250		264.6	5.5	20700	12.57	75.00	3.6	20700	8.32	75.00	11	20700	25.14	75.00	2.7	20700	6.29	75.00
280		285.8	5.1	20700	11.64	75.00	3.4	20700	7.70	75.00	10	20700	23.27	75.00	2.5	20700	5.82	75.00
300		323.5	4.5	20700	10.28	75.00	3.0	20700	6.81	75.00	9.0	20700	20.56	75.00	2.2	20700	5.14	75.00
360		360.1	4.0	20700	9.23	75.00	2.7	20700	6.11	75.00	8.1	20700	18.47	75.00	2.0	20700	4.62	75.00
400		400.1	3.6	20700	8.31	75.00	2.4	20700	5.50	75.00	7.2	20700	16.62	75.00	1.8	20700	4.16	75.00
450		445.4	3.3	20700	7.47	75.00	2.2	20700	4.94	75.00	6.5	20700	14.94	75.00	1.6	20700	3.73	75.00
500		504.2	2.9	20700	6.60	75.00	1.9	20700	4.37	75.00	5.8	20700	13.19	75.00	1.4	20700	3.30	75.00
650		646.7	2.2	20700	5.14	75.00	1.5	20700	3.40	75.00	4.5	20700	10.29	75.00	1.1	20700	2.57	75.00
730		718.5	2.0	20700	4.63	75.00	1.3	20700	3.06	75.00	4.0	20700	9.26	75.00	1.0	20700	2.31	75.00
860		858.7	1.7	20700	3.87	75.00	1.1	20700	2.56	75.00	3.4	20700	7.75	75.00	0.84	20700	1.94	75.00
10C		1015	1.4	20700	3.28	75.00	0.95	20700	2.17	75.00	2.9	20700	6.55	75.00	0.71	20700	1.64	75.00
11C		1120	1.3	20700	2.97	75.00	0.86	20700	1.97	75.00	2.6	20700	5.94	75.00	0.65	20700	1.48	75.00
13C		1338	1.1	20700	2.49	75.00	0.72	20700	1.65	75.00	2.2	20700	4.97	75.00	0.54	20700	1.24	75.00
15C		1504	0.96	20700	2.21	75.00	0.64	20700	1.46	75.00	1.9	20700	4.42	75.00	0.48	20700	1.11	75.00
18C		1842	0.79	20700	1.81	75.00	0.52	20700	1.20	75.00	1.6	20700	3.61	75.00	0.39	20700	0.90	75.00
20C	1953	0.74	20700	1.70	75.00	0.49	20700	1.13	75.00	1.5	20700	3.41	75.00	0.37	20700	0.85	75.00	
24C	2486	0.58	20700	1.34	75.00	0.39	20700	0.89	75.00	1.2	20700	2.68	75.00	0.29	20700	0.67	75.00	
M1652	27C	2744	0.53	20700	1.22	75.00	0.35	20700	0.81	75.00	1.1	20700	2.44	75.00	0.26	20700	0.61	75.00
	32C	3181	0.46	20700	1.05	75.00	0.30	20700	0.70	75.00	0.91	20700	2.10	75.00	0.23	20700	0.53	75.00
	36C	3494	0.41	20700	0.96	75.00	0.27	20700	0.63	75.00	0.83	20700	1.91	75.00	0.21	20700	0.48	75.00
	40C	3666	0.40	20700	0.91	75.00	0.26	20700	0.60	75.00	0.79	20700	1.82	75.00	0.20	20700	0.46	75.00
	46C	4812	0.30	20700	0.69	75.00	0.20	20700	0.46	75.00	0.60	20700	1.39	75.00	0.15	20700	0.35	75.00
	55C	5775	0.25	20700	0.58	75.00	0.17	20700	0.38	75.00	0.50	20700	1.16	75.00	0.13	20700	0.29	75.00
	65C	6440	0.23	20700	0.52	75.00	0.15	20700	0.34	75.00	0.45	20700	1.04	75.00	0.11	20700	0.26	75.00
	74C	7728	0.19	20700	0.43	75.00	0.12	20700	0.29	75.00	0.38	20700	0.87	75.00	0.09	20700	0.22	75.00
	84C	8899	0.16	20700	0.38	75.00	0.11	20700	0.25	75.00	0.33	20700	0.75	75.00	0.08	20700	0.19	75.00

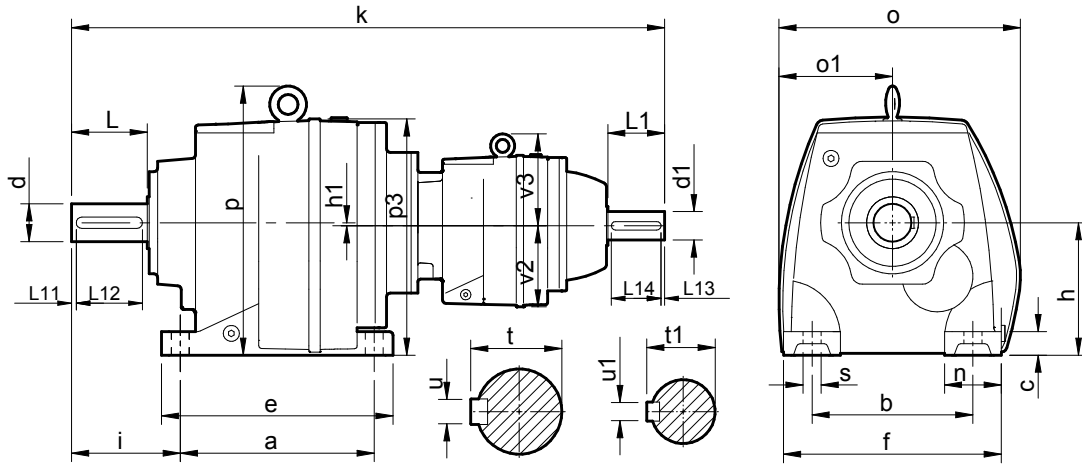
DIMENSIONS - BASE MOUNTED DOUBLE/ TRIPLE REDUCTION



Size	a	b	c	e	f	h	h1	i	k	n	o	o1	p	p3	s
M0122 M0132	110	110	12	131	135	75	0	58	286 301	25	152	76	-	149	10
M0222 M0232	130	110	16	152	145	90	0	75	317 330	35	170	84	-	180	10
M0322 M0332	130	110	16	152	145	90	0	75	317 330	35	170	84	-	180	10
M0422 M0432	165	135	20	200	190	115	0	90	369 377	55	204	97	-	208	15
M0522 M0532	165	135	20	200	190	115	0	100	379 387	55	204	97	-	208	15
M0622 M0632	195	150	24	235	210	130	14.5	100	400 408	60	220	110	246	214	15
M0722 M0731	205	170	25	245	230	140	0	115	440 452	60	252	119	295	250	19
M0822 M0832	260	215	35	310	290	180	0	140	555 540	75	320	167	360	310	19
M0922 M0932	310	250	45	365	340	225	0	160	659 653	90	375	176	465	395	22
M1022 M1032	370	290	45	440	400	250	0	185	782 777	110	435	206	524	446	27
M1322 M1332	410	340	60	490	450	315	17.6	220	903 904	110	480	231	615	516	33
M1422 M1432	500	380	70	590	530	355	23.6	260	1018 1022	150	535	268	680	581	39
M1622 M1632	580	500	80	670	660	425	42.2	270	1164 1162	160	760	335	805	675	39

Size	d1	L1	L13	L14	t1	u1	d	L	L11	L12	t	u
M0122 M0132	16 k6	40	4	32	18	5	20 k6	40	4	32	22.5	6
M0222 M0232	16 k6	40	4	32	18	5	25 k6	50	4	40	28	8
M0322 M0332	16 k6	40	4	32	18	5	25 k6	50	4	40	28	8
M0422 M0432	19 k6 16 k6	40 40	4 4	32 32	21.5 18	6 5	30 k6	60	4	50	33	8
M0522 M0532	19 k6 16 k6	40 40	4 4	32 32	21.5 18	6 5	35 k6	70	7	60	38	10
M0622 M0632	19 k6 16 k6	40 40	4 4	32 32	21.5 18	6 5	35 k6	70	7	60	38	10
M0722 M0732	24 k6 19 k6	50 40	5 4	40 32	27 21.5	8 6	40 k6	80	5	70	43	12
M0822 M0832	28 k6 24 k6	60 50	5 5	50 40	31 27	8 8	50 k6	100	10	80	53.5	14
M0922 M0932	38 k6 28 k6	80 60	5 5	70 50	41 31	10 8	60 m6	120	5	110	64	18
M1022 M1032	42 k6 38 k6	110 80	10 5	70 70	45 41	12 10	70 m6	140	7	110	74.5	20
M1322 M1332	55 m6 42 k6	110 110	10 10	90 70	59 45	16 12	90 m6	170	5	140	95	25
M1422 M1432	55 m6 42 k6	110 110	10 10	90 70	59 45	16 12	100 m6	210	10	180	116	28
M1622 M1632	70 m6 55 m6	140 110	10 10	110 90	74.5 59	20 16	120 m6	210	5	200	127	32

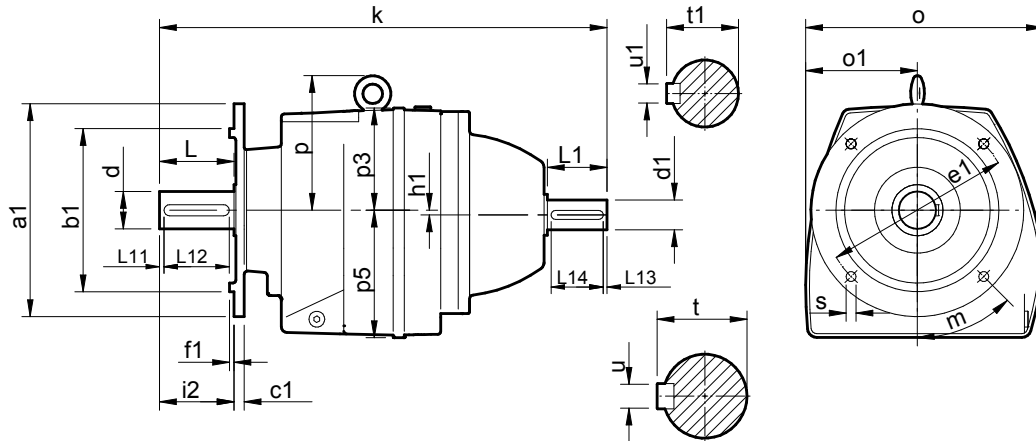
DIMENSIONS - BASE MOUNTED QUADRUPLE/ QUINTUPLE REDUCTION



Size	a	b	c	e	f	h	h1	i	k	n	o	o1	p	p3	v2	v3	s
M0342 M0352	130	110	16	152	145	90	0	75	503 518	35	170	84	-	180	76	74	10
M0442 M0452	165	135	20	200	190	115	0	90	571 584	55	204	97	-	208	91	90	15
M0542 M0552	165	135	20	200	190	115	0	100	581 594	55	204	97	-	208	91	90	15
M0642 M0652	195	150	24	235	210	130	14.5	100	602 615	60	220	110	246	214	91	90	15
M0742 M0752	205	170	25	245	230	140	0	115	639 652	60	252	119	295	250	91	90	19
M0842 M0852	260	215	35	310	290	180	0	140	751 759	75	320	167	360	310	115	93	19
M0942 M0952	310	250	45	365	340	225	0	160	831 839	90	375	176	465	395	115	93	22
M1042 M1052	370	290	45	440	400	250	0	185	956 968	110	435	206	524	446	140	155	27
M1342 M1352	410	340	60	490	450	315	17.6	220	1073 1085	110	480	231	615	516	140	155	33
M1442 M1452	500	380	70	590	530	355	42.8	260	1188 1200	150	535	268	680	581	140	155	39
M1642 M1652	580	500	80	670	660	425	42.8	270	1656 1649	160	670	335	805	675	230	240	39

Size	d1	L1	L13	L14	t1	u1	d	L	L11	L12	t	u
M0342 M0352	16 k6	40	4	32	18	5	25 k6	50	4	40	28	8
M0442 M0452	16 k6	40	4	32	18	5	30 k6	60	4	50	33	8
M0542 M0552	16 k6	40	4	32	18	5	35 k6	70	7	60	38	10
M0642 M0652	16 k6	40	4	32	18	5	35 k6	70	7	60	38	10
M0742 M0752	16 k6	40	4	32	18	5	40 k6	80	5	70	43	12
M0842 M0852	19 k6 16 k6	40 40	4 4	32 32	21.5 18	6 5	50 k6	100	10	80	53.5	14
M0942 M0952	19 k6 16 k6	40 40	4 4	32 32	21.5 18	6 5	60 m6	120	5	110	64	18
M1042 M1052	24 k6 19 k6	50 40	5 4	40 32	27 21.5	8 6	70 m6	140	7	110	74.5	20
M1342 M1352	24 k6 19 k6	50 40	5 4	40 32	27 21.5	8 6	90 m6	170	5	140	95	25
M1442 M1452	24 k6 19 k6	50 40	5 4	40 32	27 21.5	8 6	100 m6	210	10	180	116	28
M1642 M1652	38 k6 28 k6	80 60	5 5	70 50	41 31	10 8	120 m6	210	5	200	127	32

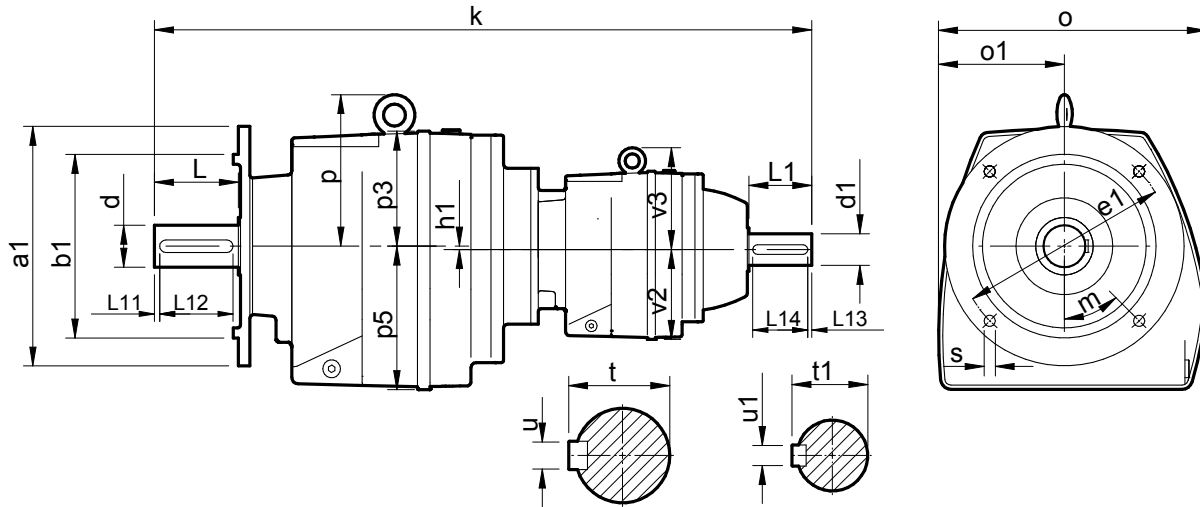
DIMENSIONS - FLANGE MOUNTED DOUBLE/ TRIPLE REDUCTION



Size	a1	b1	c1	e1	f1	s	m	h1	i2	k	o	o1	p	p3	p5
M0122 M0132	120	80	10	100	3	4 x 9	45°	0	40	286	152	76	-	74	76
	140	95	10	115	3	4 x 9									
	160	110	10	130	3.5	4 x 9									
	200	130	10	165	3.5	4 x 11									
M0222 M0232	120	80	10	100	3	4 x 9	45°	0	50	317	170	84	-	90	91
	140	95	10	115	3	4 x 9									
	160	110	10	130	3.5	4 x 9									
	200	130	10	165	3.5	4 x 11									
M0322 M0332	120	80	10	100	3	4 x 9	45°	0	50	317	170	84	-	90	91
	140	95	10	115	3	4 x 9									
	160	110	10	130	3.5	4 x 9									
	200	130	10	165	3.5	4 x 11									
M0422 M0432	140	95	11	115	3	4 x 9	45°	0	60	369	204	97	-	93	115
	160	110	11	130	3.5	4 x 9									
	200	130	11	165	3.5	4 x 11									
	250	180	11	215	4	4 x 13									
M0522 M0532	140	95	11	115	3	4 x 9	45°	0	70	379	204	97	-	93	115
	160	110	11	130	3.5	4 x 9									
	200	130	11	165	3.5	4 x 11									
	250	180	11	215	4	4 x 13									
M0622 M0632	200	130	11	165	3.5	4 x 11	45°	14.5	70	400	220	110	116	84	130
	250	180	11	215	4	4 x 13									
	300	230	11	265	4	4 x 13									
	300	230	11	265	4	4 x 13									
M0722 M0732	200	130	11	165	3.5	4 x 11	45°	0	80	440	252	119	155	110	140
	250	180	11	215	4	4 x 13									
	300	230	11	265	4	4 x 13									
M0822 M0832	300	230	17	265	4	4 x 13	45°	0	100	555 540	320	167	180	130	182
	350	250	17	300	5	4 x 18									
M0922 M0932	350	250	18	300	5	4 x 18	45°	0	120	659 653	375	176	240	170	230
	450	350	22	400	5	8 x 18									
M1022 M1032	350	250	18	300	5	4 x 18	45°	0	150	782 777	435	206	274	196	255
	450	350	22	400	5	8 x 18									
M1322 M1332	450	350	22	400	5	8 x 18	22.5°	17.6	170	903 904	480	231	300	202	310
	550	450	25	500	5	8 x 18									
M1422 M1432	450	350	22	400	5	8 x 18	22.5°	23.6	210	1018 1022	535	268	325	226	350
	550	450	25	500	5	8 x 18									
M1622 M1632	550	450	25	500	5	8 x 18	22.5°	42.2	210	1164 1162	760	335	380	250	415
	660	550	28	600	6	8 x 22									

Size	d1	L1	L13	L14	t1	u1	d	L	L11	L12	t	u
M0122 M0132	16 k6	40	4	32	18	5	20 k6	40	4	32	22.5	6
M0222 M0232	16 k6	40	4	32	18	5	25 k6	50	4	40	28	8
M0322 M0332	16 k6	40	4	32	18	5	25 k6	50	4	40	28	8
M0422 M0432	19 k6	40	4	32	21.5	6	30 k6	60	4	50	33	8
	16 k6	40	4	32	18	5						
M0522 M0532	19 k6	40	4	32	21.5	6	35 k6	70	7	60	38	10
	16 k6	40	4	32	18	5						
M0622 M0632	19 k6	40	4	32	21.5	6	35 k6	70	7	60	38	10
	16 k6	40	4	32	18	5						
M0722 M0732	24 k6	50	5	40	27	8	40 k6	80	5	70	43	12
	19 k6	40	4	32	21.5	6						
M0822 M0832	28 k6	60	5	50	31	8	50 k6	100	10	80	53.5	14
	24 k6	50	5	40	27	8						
M0922 M0932	38 k6	80	5	70	41	10	60 m6	120	5	110	64	18
	28 k6	60	5	50	31	8						
M1022 M1032	42 k6	110	10	70	45	12	70 m6	140	7	110	74.5	20
	38 k6	80	5	70	41	10						
M1322 M1332	55 m6	110	10	90	59	16	90 m6	170	5	140	95	25
	42 k6	110	10	70	45	12						
M1422 M1432	55 m6	110	10	90	59	16	100 m6	210	10	180	116	28
	42 k6	110	10	70	45	12						
M1622 M1632	70 m6	140	10	110	74.5	20	120 m6	210	5	200	127	32
	55 m6	110	10	90	59	16						

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	120	80	10	100	3	4 x 9	45°	0	50	503	170	84	-	90	91	76	74
	140	95	10	115	3	4 x 9											
	160	110	10	130	3.5	4 x 9											
	200	130	10	165	3.5	4 x 11											
M0442 M0452	140	95	11	115	3	4 x 9	45°	0	60	571	204	97	-	93	115	91	90
	160	110	11	130	3.5	4 x 9											
	200	130	11	165	3.5	4 x 11											
	250	180	11	215	4	4 x 13											
M0542 M0552	140	95	11	115	3	4 x 9	45°	0	70	581	204	97	-	93	115	91	90
	160	110	11	130	3.5	4 x 9											
	200	130	11	165	3.5	4 x 11											
	250	180	11	215	4	4 x 13											
M0642 M0652	200	130	11	165	3.5	4 x 11	45°	14.5	70	602	220	110	116	84	130	91	90
	250	180	11	215	4	4 x 13											
	300	230	11	265	4	4 x 13											
M0742 M0752	200	130	11	165	3.5	4 x 11	45°	0	80	639	252	110	155	110	140	91	90
	250	180	11	215	4	4 x 13											
	300	230	11	265	4	4 x 13											
M0842 M0852	300	230	17	265	4	4 x 13	45°	0	100	751	320	167	180	130	182	115	93
	350	250	17	300	5	4 x 18											
M0942 M0952	350	250	18	300	5	4 x 18	45°	0	120	831	325	176	240	170	230	115	93
	450	350	22	400	5	8 x 18	22.5°										
M1042 M1052	350	250	18	300	5	4 x 18	45°	0	140	956	335	206	274	196	255	140	155
	450	350	22	400	5	8 x 18	22.5°										
M1342 M1352	450	350	22	400	5	8 x 18	22.5°	17.6	170	1073	480	231	300	202	310	140	155
	550	450	25	500	5												
M1442 M1452	450	350	22	400	5	8 x 18	22.5°	23.6	210	1188	535	268	325	226	350	140	155
	550	450	25	500	5												
M1642 M1652	550	450	25	500	5	8 x 18	22.5°	42.2	210	1656	760	335	380	250	415	230	240
	660	550	28	600	6												

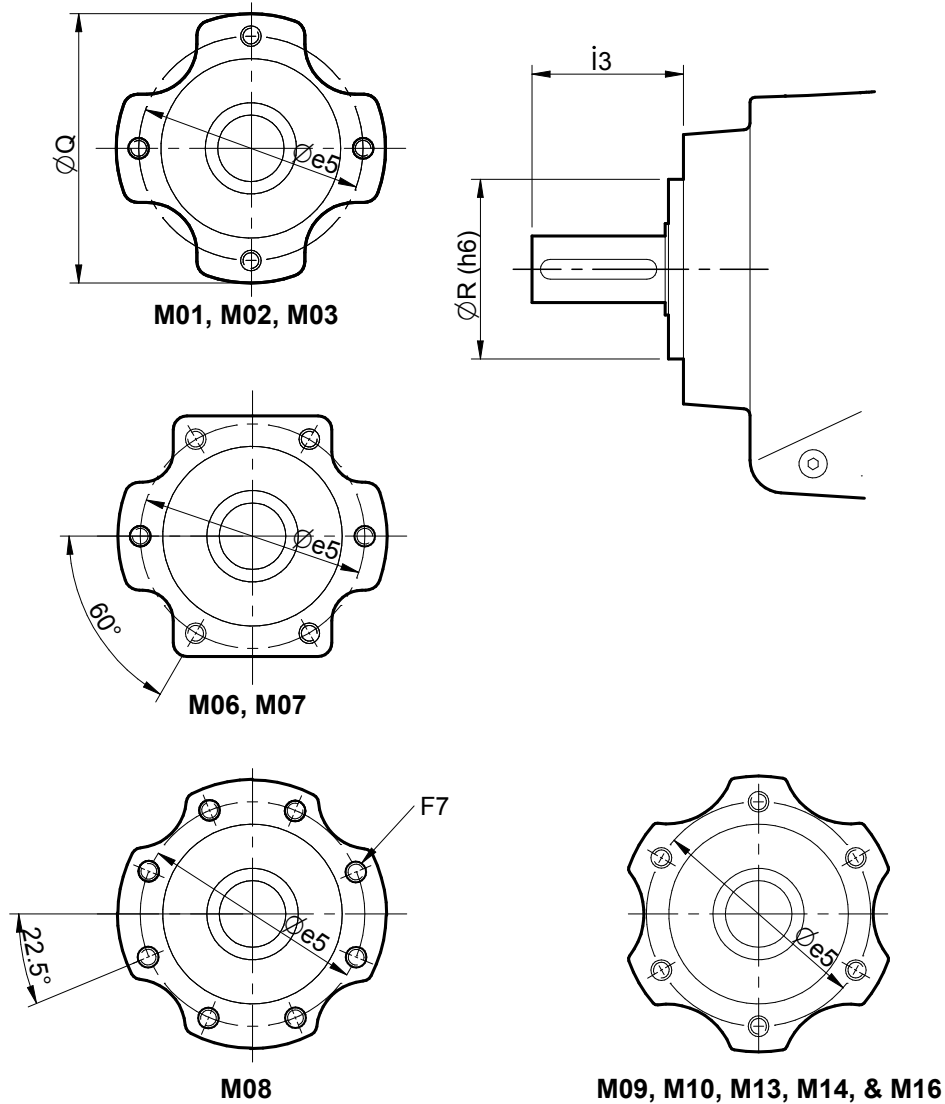
Size	d1	L1	L13	L14	t1	u1	d	L	L11	L12	t	u
M0342 M0352	16 k6	40	4	32	18	5	25 k6	50	4	40	28	8
M0442 M0452	16 k6	40	4	32	18	5	30 k6	60	4	50	33	8
M0542 M0552	16 k6	40	4	32	18	5	35 k6	70	7	60	38	10
M0642 M0652	16 k6	40	4	32	18	5	35 k6	70	7	60	38	10
M0742 M0752	16 k6	40	4	32	18	5	40 k6	80	5	70	43	12
M0842 M0852	19 k6	40	4	32	21.5	6	50 k6	100	10	80	53.5	14
	16 k6	40	4	32	18	5						
M0942 M0952	19 k6	40	4	32	21.5	6	60 m6	120	5	110	64	18
	16 k6	40	4	32	18	5						
M1042 M1052	24 k6	50	5	40	27	8	70 m6	140	7	110	74.5	20
	19 k6	40	4	32	21.5	6						
M1342 M1352	24 k6	50	5	40	27	8	90 m6	170	5	140	95	25
	19 k6	40	4	32	21.5	6						
M1442 M1452	24 k6	50	5	40	27	8	100 m6	210	10	180	116	28
	19 k6	40	4	32	21.5	6						
M1642 M1652	38 k6	80	5	70	41	10	120 m6	210	5	200	127	32
	28 k6	60	5	50	31	8						

SERIES M

DIMENSIONS - C-FLANGE (B14) MOUNTING

Column 9 Entry

- E C-Flange (B14) Mounting (For sizes M01 to M08 only)
- 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	75	(4) M8 x 1.25 x 12	54	98	52
M02 / M03	96	(4) M8 x 1.25 x 15	62 / 62	115	75
M04 / M05	105	(4) M12 x 1.75 x 21	74 / 84	130	85
M06 / M07	124	(6) M12 x 1.75 x 21	84 / 94	152	102
M08	170	(8) M12 x 1.75 x 21	120	195	145
M09 / M10	230	(6) M20 x 2.5 x 30	148 / 168	265	190
M13 / M14	280	(6) M24 x 3.0 x 40	210 / 250	340	225
M16	315	(6) M24 x 3.0 x 40	245	370	260



THERMAL POWER RATINGS

Thermal Ratings kW

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 25°C, where units are to operate in other ambient temperatures thermal ratings must be adjusted by the following factors

Ambient Temperature Modification Factor Ft

-20°C	-10°C	0°C	10°C	20°C	25°C	35°C	40°C	45°C	50°C
1.54	1.42	1.30	1.18	1.06	1.00	0.88	0.82	0.76	0.70

Units without additional cooling

n1 (rpm)	Ratio	M0122	M0222 M0322	M0422 M0522	M0622	M0722	M0822	M0922	M1022	M1322	M1422	M1622
2900	3.6 - 5.6	4.5	6.2	11.1	13.7	16.9	25.8	-	-	-	-	-
1750		4.5	6.2	11.0	13.7	16.8	25.8	39.5	51.6	63.1	97.6	142
1450		4.5	6.2	11.0	13.7	16.8	25.7	39.5	51.5	63.0	88.8	129
960		4.5	6.2	11.0	13.6	16.8	25.7	39.5	51.5	62.9	88.6	129
2900	6.3 - 9.0	4.4	6.1	10.6	13.2	16.5	25.3	38.8	-	-	-	-
1750		4.3	6.1	10.6	13.1	16.5	25.2	38.7	50.4	61.6	95.4	139
1450		4.3	6.1	10.6	13.1	16.5	25.2	38.6	50.4	61.6	86.8	126
960		4.3	6.1	10.6	13.1	16.4	25.2	38.6	50.3	61.5	86.7	126
2900	11. - 16.	4.2	5.8	10.0	12.4	15.6	23.8	37.1	48.4	59.2	-	-
1750		4.2	5.8	10.0	12.4	15.5	23.7	37.0	48.3	59.0	83.2	133
1450		4.2	5.7	10.0	12.4	15.5	23.7	37.0	48.3	59.0	83.1	121
960		4.2	5.7	10.0	12.3	15.5	23.7	36.9	48.2	58.9	83.0	120
2900	18. - 28.	3.8	5.1	9.3	11.5	14.5	22.1	32.3	42.2	51.5	72.6	-
1750		3.8	5.1	9.3	11.5	14.4	22.0	32.2	42.0	51.4	72.4	115
1450		3.8	5.1	9.3	11.5	14.4	22.0	32.2	42.0	51.3	72.3	105
960		3.8	5.1	9.3	11.5	14.4	22.0	32.1	41.9	51.3	72.2	105
2900	32. - 56.	3.2	4.2	7.3	9.0	11.2	17.3	24.9	32.5	39.8	56.0	-
1750		3.2	4.2	7.3	9.0	11.2	17.3	24.9	32.4	39.6	55.8	89.1
1450		3.2	4.2	7.2	9.0	11.2	17.3	24.8	32.4	39.6	55.8	81.0
960		3.2	4.2	7.2	9.0	11.2	17.3	24.8	32.3	39.5	55.7	80.9

n1 (rpm)	Ratio	M0132	M0232 M0332	M0432 M0532	M0632	M0732	M0832	M0932	M1032	M1332	M1432	M1632
2900	56 - 200	2.5	3.3	6.1	7.6	9.3	16.0	23.0	30.0	36.6	51.6	-
1750		2.5	3.3	6.1	7.5	9.3	15.9	22.9	29.9	36.5	51.4	82.0
1450		2.5	3.3	6.1	7.5	9.3	15.9	22.9	29.8	36.5	51.4	74.6
960		2.5	3.3	6.1	7.5	9.3	15.9	22.8	29.8	36.4	51.3	74.5

Units with fan cooling

n1 (rpm)	Ratio	M0722	M0822	M0922	M1022	M1322	M1422	M1622
2900	3.6 - 5.6	-	-	-	-	-	-	-
1750		25.0	38.3	58.8	76.7	93.7	132	207
1450		23.3	35.7	54.9	71.6	87.5	123	193
960		21.0	32.2	49.4	64.4	78.8	111	174
2900	6.3 - 9.0	-	-	-	-	-	-	-
1750		24.5	37.5	57.5	75.0	91.6	129	202
1450		22.9	35.0	53.7	70.0	85.6	121	189
960		20.6	31.5	48.3	63.0	77.0	109	170
2900	11. - 16.	-	-	-	-	-	-	-
1750		23.1	35.3	55.0	71.8	87.7	124	194
1450		21.5	32.9	51.4	67.0	81.9	115	181
960		19.4	29.6	46.2	60.3	73.7	104	163
2900	18. - 28.	-	-	-	-	-	-	-
1750		21.4	32.7	47.9	62.5	76.3	108	169
1450		20.0	30.5	44.7	58.3	71.3	100	158
960		18.0	27.5	40.3	52.5	64.2	90.4	142
2900	32. - 56.	-	-	-	-	-	-	-
1750		16.7	25.7	36.9	48.2	58.9	83.0	130
1450		15.6	24.0	34.5	45.0	55.0	77.5	122
960		14.0	21.6	31.1	40.5	49.5	69.8	109

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

Column 10 Entry

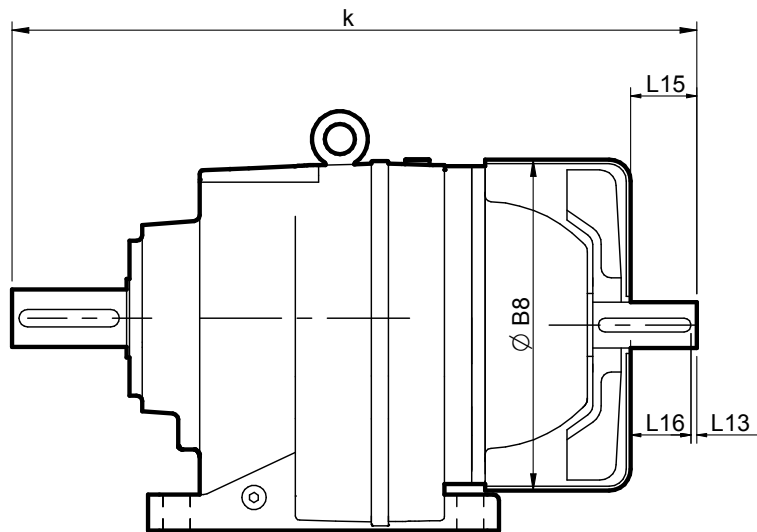
For reducer fan kit modules enter **S** in column 10
 or if used in conjunction with a reducer backstop module kit

Y
Z

CW rotation

CCW rotation

Dimensions of Fan Cooled Units



Size	$\varnothing B8$	k	L13	L15	L16
M0722	225	440	5	35	30
M0822	265	555	5	45	40
M0922	320	659	5	65	60
M1022	380	782	10	95	85
M1322	420	903	10	85	75
M1422	480	1018	10	85	75
M1622	570	1164	10	112	102

REDUCER BACKSTOP MODULE

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

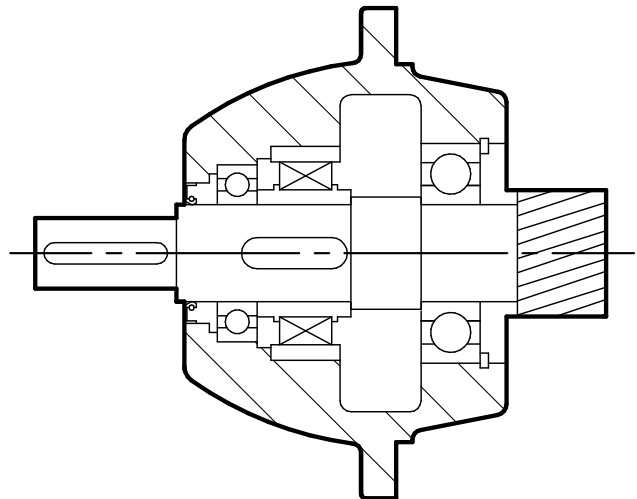
Suitable for ambient temperature -40°C to + 50°C

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)

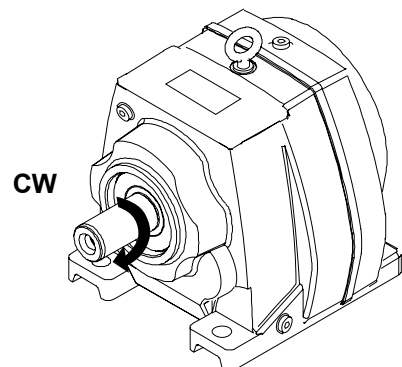
Size	Lift off speed 'n' min rev/min	Rated locking torque 'T max' (at motor) Nm
M0422	800	100
M0522	800	100
M0622	800	100
M0712	670	170
M0722	670	170
M0732	800	100
M0822	670	300
M0832	670	170
M0922	620	940
M0932	670	300
M1022	550	1260
M1032	620	940
M1322	550	2400
M1332	550	1260
M1422	550	2400
M1432	550	1260
M1622	610	1600
M1632	550	2400



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





SHIPPING SPECIFICATION

Weight of Base Mounted Units (kg)

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		8.2	8.8	12	14	12	13	21	22	22	23	33	34	22	23	22	35	27	28	40	41	38	39	48	49	
Motorised	63	Without Motor	10	11	12	14	12	14	22	23	23	24	34	35	23	24	34	35	28	29	40	41	39	48	49	
		With Motor	18	19	20	22	20	22	30	31	31	32	42	43	31	32	42	43	36	37	48	49	47	56	57	
	71	Without Motor	9.4	10	12	14	12	14	21	23	23	24	34	35	23	24	34	35	28	29	40	41	39	48	49	
		With Motor	20	21	23	25	23	25	32	34	34	35	45	46	34	35	45	46	39	40	51	52	50	59	60	
	80	Without Motor	11	12	13	15	13	15	22	23	23	24	36	37	23	24	36	37	28	29	42	43	38	39	48	49
		With Motor	28	29	30	32	30	32	39	40	40	41	53	54	40	41	53	54	45	46	59	60	55	56	65	66
	90S	Without Motor	11	12	13	16	13	16	23	24	24	25	37	38	24	25	37	38	29	30	43	44	38	39	48	49
		With Motor	36	37	38	41	38	41	48	49	49	50	62	63	49	50	62	63	54	55	68	69	63	64	73	74
	90L	Without Motor	11	12	13	16	13	16	23	24	24	25	37	38	24	25	37	38	29	30	43	44	38	39	48	49
		With Motor	38	39	40	43	40	43	50	51	51	52	64	65	51	52	64	65	56	57	70	71	65	66	75	76
	100L	Without Motor	13	14	15	18	15	18	25	26	25	26	38	39	25	26	38	39	30	31	44	45	39	40	49	50
		With Motor	51	52	53	56	53	56	63	64	63	64	76	77	63	64	76	77	68	69	82	83	77	78	87	88
	112M	Without Motor	13	14	15	18	15	18	25	26	25	26	38	39	25	26	38	39	30	31	44	45	39	40	49	50
		With Motor	57	58	59	62	59	62	69	70	69	70	82	83	69	70	82	83	74	75	88	89	83	84	93	94
	132S	Without Motor										26					26						40			
		With Motor										96					96						110			
	132M	Without Motor										26					26						40			
		With Motor										99					99						113			
	160M	Without Motor																					42			
		With Motor																					176			
160L	Without Motor																					42				
	With Motor																					183				



SHIPPING SPECIFICATION

Weight of Base Mounted Units (kg)

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		67	74	96	97	121	130	150	151	160	173	203	204	259	280	307	308	355	374	403	404	630	640	774	783		
Motorised	63	Without Motor		96	97			151	152				204				308				404						
		With Motor		104	105			159	160				212					316				412					
	71	Without Motor							151	152				204				308				404					
		With Motor				107	108			162	163			215					319				415				
	80	Without Motor		73	75	96	98	116	131	151	152		168	203	204			307	308			403	404		769	784	
		With Motor		90	92	113	115	133	148	168	169		185	220	221			324	325			420	421		786	801	
	90S	Without Motor		73	75	97	99	116	131	152	153		168	203	204			307	308			403	404		769	784	
		With Motor		98	100	122	124	141	156	177	178		193	228	229			332	333			428	429		794	809	
	90L	Without Motor		73	75	97	99	116	131	152	153		168	203	204			307	308			403	404		769	784	
		With Motor		100	102	124	126	143	158	179	180		195	230	231			334	335			430	431		796	811	
	100L	Without Motor		73	75	98	100	118	133	156	157	147	170	204	205	228	267	308	309	318	361	404	405		603	771	786
		With Motor		111	113	136	138	156	171	194	195	185	208	242	243	266	305	346	347	356	399	442	443		641	809	824
	112M	Without Motor		73	77	98	100	118	133	156	157	147	170	204	205	228	267	308	309	318	361	404	405		603	771	786
		With Motor		117	121	142	144	162	177	200	201	191	214	248	249	272	311	352	353	362	405	448	449		647	815	830
	132S	Without Motor		73	77	99		121	136			150	173	205		231	270	309		322	364	405			607	774	789
		With Motor		143	147	169		191	206			220	243	275		301	340	379		392	434	475			677	844	859
	132M	Without Motor		73	77	99		121	136			150	173	205		231	270	309		322	364	405			607	774	789
		With Motor		146	150	172		194	209			223	246	278		304	343	382		395	437	478			680	847	862
	160M	Without Motor		73				126	141			155	178	207		237	275	311		329	369	407			614	779	794
		With Motor		207				260	275			289	312	341		371	409	445		463	503	541			748	913	928
	160L	Without Motor		73				126	141			155	178	207		237	275	311		329	369	407			614	779	794
		With Motor		214				267	282			296	319	348		378	416	452		470	510	548			755	920	935
	180M	Without Motor						139				168	191			249	288			343	382			656	628	792	
		With Motor						314				343	366			424	463			518	557			805	803	967	
	180L	Without Motor						139				168	191			249	288			343	382			656	628	792	
		With Motor						324				353	376			434	473			528	567			815	813	977	
	200L	Without Motor						143				172	195			254	292			349	386			661	634	796	
		With Motor						375				404	427			486	524			581	618			862	866	1028	
225S	Without Motor						147				176	199			258	296			354	390			668	639	800		
	With Motor						436				465	488			547	585			643	679			919	928	1089		
225M	Without Motor						147				176	199			258	296			354	390			668	639	800		
	With Motor						469				498	521			580	618			676	712			952	961	1122		
250M	Without Motor														275				371				675	586			
	With Motor														669				765				1024	980			
280S	Without Motor														275				371				675	586			
	With Motor														785				881				1140	1096			
280M	Without Motor														275				371				675	586			
	With Motor														875				971				1230	1186			
315S	Without Motor																						699				
	With Motor																						1400				
315M	Without Motor																						699				
	With Motor																						1440				
315L	Without Motor																						699				
	With Motor																						1590				

PRODUCT SAFETY INFORMATION

IMPORTANT**Product Safety Information**

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

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

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

- 1) Fire/Explosion
 - (a) Oil mists and vapour are generated within gear units. It is therefore dangerous to use naked lights in the proximity of gearbox openings, due to the risk of fire or explosion.
 - (b) In the event of fire or serious overheating (over 300 °C), certain materials (rubber, plastics, etc.) may decompose and produce fumes. Care should be taken to avoid exposure to the fumes, and the remains of burned or overheated plastic/rubber materials should be handled with rubber gloves.
- 2) Guards - Rotating shafts and couplings must be guarded to eliminate the possibility of physical contact or entanglement of clothing. It should be of rigid construction and firmly secured.
- 3) Noise - High speed gearboxes and gearbox driven machinery may produce noise levels which are damaging to the hearing with prolonged exposure. Ear defenders should be provided for personnel in these circumstances. Reference should be made to the Department of Employment Code of Practice for reducing exposure of employed persons to noise.
- 4) Lifting - Where provided (on larger units) only the lifting points or eyebolts must be used for lifting operations (see maintenance manual or general arrangement drawing for lifting point positions). Failure to use the lifting points provided may result in personal injury and/or damage to the product or surrounding equipment. Keep clear of raised equipment.
- 5) Lubricants and Lubrication
 - (a) Prolonged contact with lubricants can be detrimental to the skin. The manufacturer's instruction must be followed when handling lubricants.
 - (b) The lubrication status of the equipment must be checked before commissioning. Read and carry out all instructions on the lubricant plate and in the installation and maintenance literature. Heed all warning tags. Failure to do so could result in mechanical damage and in extreme cases risk of injury to personnel.
- 6) Electrical Equipment - Observe hazard warnings on electrical equipment and isolate power before working on the gearbox or associated equipment, in order to prevent the machinery being started.
- 7) Installation, Maintenance and Storage
 - (a) In the event that equipment is to be held in storage, for a period exceeding 6 months, prior to installation or commissioning, application engineering must be consulted regarding special preservation requirements. Unless otherwise agreed, equipment must be stored in a building protected from extremes of temperature and humidity to prevent deterioration.

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

Preservatives applied to the internal parts of the gear units do not require removal prior to operation.
 - (c) Installation must be performed in accordance with the manufacturer's instructions and be undertaken by suitably qualified personnel.
 - (d) Before working on a gearbox or associated equipment, ensure that the load has been removed from the system to eliminate the possibility of any movement of the machinery and isolate power supply. Where necessary, provide mechanical means to ensure the machinery cannot move or rotate. Ensure removal of such devices after work is complete.
 - (e) Ensure the proper maintenance of gearboxes in operation. Use only the correct tools and approved spare parts for repair and maintenance. Consult the Maintenance Manual before dismantling or performing maintenance work.
- 8) Hot Surfaces and Lubricants
 - (a) During operation, gear units may become sufficiently hot to cause skin burns. Care must be taken to avoid accidental contact.
 - (b) After extended running the lubricant in gear units and lubrication systems may reach temperatures sufficient to cause burns. Allow equipment to cool before servicing or performing adjustments.
- 9) Selection and Design
 - (a) Where gear units provide a backstop facility, ensure that back-up systems are provided if failure of the backstop device would endanger personnel or result in damage.
 - (b) The driving and driven equipment must be correctly selected to ensure that the complete machinery installation will perform satisfactorily, avoiding system critical speeds, system torsional vibration, etc.
 - (c) The equipment must not be operated in an environment or at speeds, powers, torques or with external loads beyond those for which it was designed.
 - (d) As improvements in design are being made continually the contents of this catalogue are not to be regarded as binding in detail, and drawings and capacities are subject to alterations without notice.

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

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





MARKETING & SERVICING COMPANY



EMTICI ENGINEERING LIMITED

REGISTERED OFFICE :

Anand - Sojitra Road, Vallabh Vidyanagar - 388 120. Gujarat, INDIA.
Phones : +91 269 223 0168, +91 269 223 1125 Fax : +91 269 223 6508
Website : www.emtici.co.in

: BRANCH OFFICES :

Ahmedabad:

Phone: +91 79 26406683,
26406684, 26406685
Fax : +91 79 26401363
Email : sales@emtici.co.in

Bangalore:

Phone: +91 80 25250219,
25290082, 25252925
Fax : +91 80 25251834
Email : salesbgl@emtici.co.in

Chennai:

Phone: +91 44 24349237,
24349497, 24322455
Fax : +91 44 24349643
Email : salesmad@emtici.co.in

Dhanbad:

Phone: +91 326 2230404
Fax : +91 326 2230490
Email : salesdhn@emtici.co.in

Indore:

Phone: +91 731 2576100
Fax : +91 731 2558077
Email : limishra@emtici.co.in

Jamshedpur:

Phone: +91 657 2361837, 2362376
Fax : +91 657 246424
Email : salesjns@emtici.co.in

Kolkata:

Phone: +91 33 24761, 24760876
Fax : +91 33 24761831
Email : salescal@emtici.co.in

Madurai:

Phone: +91 4549 293488
Fax : +91 4549 293468

Mumbai:

Phone: +91 20 40191400
Fax : +91 20 40191420
Email : rsirsad@emtici.co.in

Nagpur:

Phone: +91 712 6642616, 6642601
Fax : +91 712 6642622
Email : sbpansari@emtici.co.in

New Delhi:

Phone: +91 11 23414340,
23414340, 23414069
Fax : +91 11 23709046
Email : salesdel@emtici.co.in

Pune:

Phone: +91 20 40191400
Fax : +91 20 40191420
Email : rsirsad@emtici.co.in

Raipur:

Phone: +91 771 4081541,
2259329/324
Fax : +91 771 4081541
Email : pksingh@emtici.co.in

Secunderabad:

Phone: +91 40 27844748, 27845250
Fax : +91 40 27848317
Email : salesec@emtici.co.in

Vadodara:

Phone: +91 265 2312972, 23136701
Fax : +91 265 2312982
Email : salesbrd@emtici.co.in

Visakhapatnam:

Phone: +91 891 2531630,
+91 891 2731630
Email : salessec@emtici.co.in



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Vallabh Vidyanagar - 388120, Gujarat, India • Tel.: + 91 2692 231070, 231120, 231170 • Mo.: +91 97277 19344

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