Series F

POWER BUILD LIMITED

Catalogue No: F/PC/03/08-10/500

INFRASTRUCTURE

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Series F

Series F in-line shaft mounted geared motors offer ratios from 5/1 to 100/1 in double reduction form and in combined unit form up to 20,000/1. Motors are available up to 45 kW giving a maximum output torque of 7200 Nm.
The Series F geared motor is primarily designed as a shaft mounted unit incorporating an integral torque reaction bracket. The units are also available with bolt-on feet or output flanges and output shafts of single and double extension. All variants are available either motorised or with input shaft assembly.

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

The Range Includes

Six sizes of units
F04, F06, F07, F08, F09 and F10.

Version T - Standard unit with torque bush
Version W - Standard unit without torque bush
Version B - Standard unit with base or top mounted feet
Version F - Standard unit with output flange

Unit type M - Motorised
Unit type G - Unit to allow fitting of a (IEC) motor

Unit type R - Reducer
Unit type S - Reducer unit fitted with a fan
Unit type X - Reducer unit fitted with a backstop
Unit type Y - Reducer unit with a fan & backstop

Design Features Include

Patented standard motor connection (IEC).

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

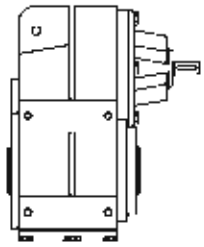
All units are dimensionally interchangeable with other major manufacturers.

Brake geared motors are available as optional.

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

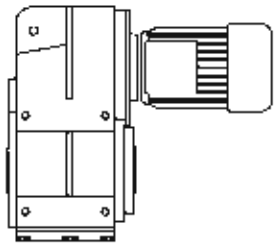
Motorised units can be fitted with a backstop module and reducer units can be fitted with a backstop and fan.

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



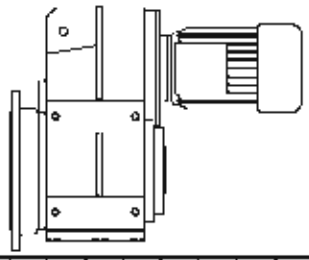
Double reduction shaft mounted reducer

* F 0 4 2 0 5 0 . W R H - 1 - - - - - - -



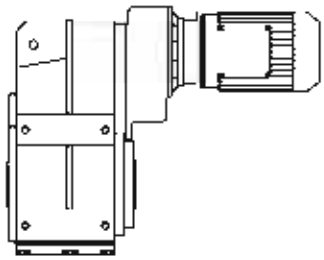
Motorised double reduction shaft mount

* F 0 4 2 0 5 0 . W M H - 1 A . 7 5 4 A -



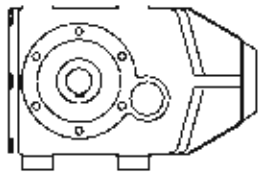
Motorised double reduction hollow output bore with output flange

* F 0 4 2 0 5 0 . F M H - 1 A . 7 5 4 A -



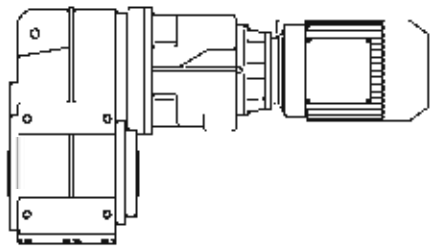
Motorised triple reduction shaft mount

* F 0 4 3 0 1 0 0 W M H - 1 A . 2 5 4 A -



Double reduction reducer with base mounted feet and standard output shaft

* F 0 4 2 0 5 0 . B R C - 4 - - - - - - -

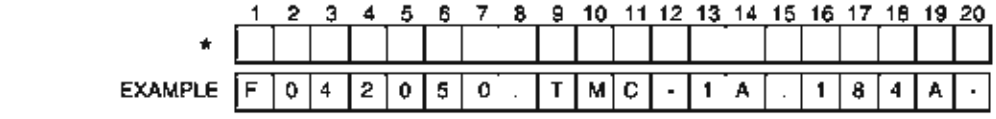


Motorised quadruple reduction shaft mount

* F 0 8 4 0 9 0 0 W M H - 1 A . 3 7 4 A -

* Typical unit designations

UNIT DESIGNATIONS



1 - SERIES F

RANGE [F]

2, 3 - SIZE OF UNIT

[0 4] THROUGH [1 0]

4 - NO OF REDUCTIONS

[2] THROUGH [5]

5 - REVISION VERSION

[0] ETC

6, 7, 8 - NOMINAL OVERALL RATIO

eg [8 . 0] / [5 0 .]

SEE PAGES 7 - 8

9 - UNIT VERSION

- [T] - STANDARD UNIT WITH TORQUE BUSH
- [W] - STANDARD UNIT WITHOUT TORQUE BUSH
- [B] - STANDARD UNIT WITH BASE OR TOP MOUNTED FEET
- [F] - STANDARD UNIT WITH OUTPUT FLANGE

10 - TYPE OF UNIT

- [M] - MOTORISED
- [G] - UNIT TO ALLOW FITTING OF (IEC) MOTOR
- [R] - REDUCER UNIT
- [S] - REDUCER UNIT FITTED WITH A FAN
- [X] - REDUCER UNIT FITTED WITH A BACKSTOP
- [Y] - REDUCER UNIT WITH A FAN AND BACKSTOP

11 - OUTPUT SHAFT

- [C] - STANDARD SINGLE EXTENSION
- [D] - STANDARD DOUBLE EXTENSION
- [H] - STANDARD UNIT (WITHOUT OUTPUT SHAFT)
- [Z] - SPECIAL SHAFT

12 - MOTOR ADAPTOR FOR G OR M TYPE UNIT

SEE PAGE 15

FOR ALL OTHER TYPES ENTER [-]

13, 14 - MOUNTING POSITION & TERMINAL BOX POSITION

eg [5 D] SEE PAGE 9

15, 16, 17 - GEARED MOTOR

MOTOR POWER REQUIRED

eg [. 7 5] / [. 1 8] SEE PAGES 20 - 58

FOR R OR G TYPE ENTER [- - -]

18 - NO OF MOTOR POLES

[2] [4] [6] OR [8] SEE PAGES 20 - 58

FOR R OR G TYPE ENTER [-]

19 - MOTOR REQUIRED

eg [-] [A] SEE PAGE 18

FOR R OR G TYPES WITHOUT MOTOR ENTER [-]

20 - ADDITIONAL FEATURES

PAINT, DOUBLE OIL SEAL, MOTORISED BACKSTOP ETC

eg [-] [F] SEE PAGE 16

* THIS PAGE MAY BE PHOTOCOPIED ALLOWING THE CUSTOMER TO ENTER THEIR ORDER

EXPLANATION & USE OF RATINGS & SERVICE FACTORS

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

Mechanical ratings and service factor Fm

Mechanical ratings measure capacity in terms of life and/or strength, assuming 10 hours per 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 2 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 applications where units are to operate in extremely dusty or moist/humid atmospheres unit selection should be referred to Power Build Ltd. application engineers.

Table 1 **Mechanical service factor Fm**

Prime mover	Duration of service-hours per day	Load classification-driven machine		
		Uniform	Moderate Shock	Heavy Shock
Electric motor, steam turbine or hydraulic motor	Under 3	0.80	1.00	1.50
	3 to 10	1.00	1.25	1.75
	Over 10	1.25	1.50	2.00
Multi-cylinder internal combustion engine	Under 3	1.00	1.25	1.75
	3 to 10	1.25	1.50	2.00
	Over 10	1.50	1.75	2.25
Single cylinder internal combustion engine	Under 3	1.25	1.50	2.00
	3 to 10	1.50	1.75	2.25
	Over 10	1.75	2.00	2.50

LOAD CLASSIFICATION BY APPLICATIONS

Table 2

U = Uniform load

M = Moderate shock load

H = Heavy shock load

† = Refer to Power Build Ltd.

Driven Machine	type of load
Agitators	
pure liquids	U
liquids and solids	M
liquids-variable density	M
Blowers	
centrifugal	U
lobe	M
vane	U
Brewing and distilling	
bottling machinery	M
brew kettles-continuous duty	M
cookers-continuous duty	M
mash tubs-continuous duty	M
scale hopper-frequent starts	M
Can filling machines	M
Cane knifes	M
Car dumpers	H
Car pullers	M
Clarifiers	U
Classifiers	M
Clay working machinery	
brick press	H
briquette machine	H
clay working machinery	M
pug mill	M
Compressors	
centrifugal	U
lobe	M
reciprocating	
multi-cylinder	M
single cylinder	H
Conveyors-uniformly loaded or fed	
apron	U
assembly	U
belt	U
bucket	U
chain	U
flight	U
oven	U
screw	U
Conveyors-heavy duty not uniformly fed	
apron	M
assembly	M
belt	M
bucket	M
chain	M
flight	M
live roll	†
oven	M
reciprocating	H
screw	M
shaker	H

Driven Machine	type of load
Cranes	
main hoists	U
bridge travel	–
trolley travel	–
Crusher	
ore	H
stone	H
sugar	H
Dredges	
cable reels	M
conveyors	M
cutter head drives	H
jig drives	H
manoeuvring winches	M
pumps	M
screen drive	H
stackers	M
utility winches	M
Dry dock cranes	
main hoist	–
auxiliary hoist	–
boom, luffing	–
rotating, swing or slew	–
tracking, drive wheels	†
Elevators	
bucket-uniform load	U
bucket-heavy load	M
bucket-continuous	U
centrifugal discharge	U
escalators	U
freight	M
gravity discharge	U
man lifts	†
passenger	†
Fans	
centrifugal	U
cooling towers	
induced draft	†
forced draft	–
induced draft	M
large, mine, etc	M
large, industrial	M
light, small diameter	U
Feeders	
apron	M
belt	M
disc	U
reciprocating	H
screw	M
Food industry	
beet slicer	M
cereal cooker	U
dough mixer	M
meat grinders	M
Generators-not welding	U
Hammer mills	H
Hoists	
heavy duty	H
medium duty	M
skip hoist	M
Laundry washers	
reversing	M
Laundry tumblers	M
Line shafts	
driving processing equipment	M
light	U
other line shafts	U
Lumber industry	
barkers-hydraulic-	
mechanical	M
burner conveyor	M
chain saw and drag saw	H
chain transfer	H
craneway transfer	H
de-barking drum	H
edger feed	M
gang feed	M
green chain	M
live rolls	H
log deck	H

Driven Machine	type of load
log haul-incline	H
log haul-well type	H
log turning device	H
main log conveyor	H
off bearing rolls	M
planer feed chains	M
planer floor chains	M
planer tilting hoist	M
re-saw merry-go-round conveyor	M
roll cases	H
slab conveyor	H
small waste conveyor-belt	U
small waste conveyor-chain	M
sorting table	M
tipple hoist conveyor	M
tipple hoist drive	M
transfer conveyors	M
transfer rolls	M
tray drive	M
trimmer feed	M
waste conveyor	M
Machine tools	
bending roll	M
punch press-gear driven	H
notching press- belt driven	–
plate planers	H
tapping machine	H
other machine tools	
main drives	M
auxiliary drives	U
Metal mills	
draw bench carriage and main drive	M
pinch, dryer and scrubber rolls-reversing	–
slitters	M
table conveyors	
non-reversing	
group drives	M
individual drives	H
reversing	
wire drawing and flattening machine	M
wire winding machine	M
Mill-rotary type	
ball	H
cement kilns	H
dryers and coolers	H
kilns, other than cement	H
pebble	H
rod	
plain	H
wedge bar	H
tumbling barrels	H
Mixers	
concrete mixers -continuous	M
concrete mixers -intermittent	M
constant density	U
variable density	M
Oil industry	
chillers	M
oil well pumping	†
paraffin filter press	M
rotary kilns	M
Paper mills	
agitators, (mixers)	M
barker-auxiliaries-	
hydraulic	M
barker-mechanical	H
barking drum	H
beater and pulper	M
bleacher	U
calenders	M
calenders-super	H
converting machine, except cutters, platers	M
conveyors	U
couch	M
cutters-plates	H
cylinders	M
dryers	M
felt stretcher	M
felt whipper	H
jordans	M

Driven Machine	type of load
log haul	H
presses	M
pulp machine reel	M
stock chest	M
suction roll	M
washers and thickeners	M
winders	M
Printing presses	†
Pullers	
barge haul	H
Pumps	
centrifugal	U
proportioning	M
reciprocating	
single acting; 3 or more cylinders	M
double acting; 2 or more cylinders	M
single acting; 1 or 2 cylinders	–
double acting; single cylinder	†
rotary	
gear type	U
lobe, vane	U
Rubber and plastics industries	
crackers	H
laboratory equipment	M
mixed mills	H
refiners	M
rubber calenders	M
rubber mill-2 on line	M
rubber mill-3 on line	M
sheeter	M
tire building machines	†
tire and tube press openers	–
tubers and strainers	M
warming mills	M
Sand muller	M
Sewage disposal equipment	
bar screens	U
chemical feeders	U
collectors	U
dewatering screws	M
scum breakers	M
slow or rapid mixers	M
thickeners	M
vacuum filters	M
Screens	
air washing	U
rotary-stone or gravel	M
travelling water intake	U
Slab pushers	M
Steering gear	†
Stokers	U
Sugar industry	
cane knives	M
crushers	M
mills	M
Textile industry	
batchers	M
calenders	M
cards	M
dry cans	M
dryers	M
dyeing machinery	M
knitting machines	*
looms	M
mangles	M
nappers	M
pads	M
range drives	†
slashers	M
soapers	M
spinners	M
tenter frames	M
washers	M
winders	M
Windlass	†

1.0 UNIT TYPE SELECTION

Select the type of unit required ie whether a geared motor (if so continue to follow these instructions) or the reducer type (if so start at paragraph 3.0)

2.0 GEARED MOTOR SELECTION

2.1 UNITS FITTED WITH A MOTOR

(i) Calculate absorbed power (kW) to drive designated driven machine.
(ii) Determine for driven machine the load classification from information given in table 2 page 4.
(iii) Determine the required service factor (FM) in accordance with load classification and daily operating hours see table 1 page 3.
(iv) Turn to section tables geared motors page 20 to 58. Choose motor power closest above the required absorbed power. (Selection of 4 pole motor will give the lowest cost and shortest delivery lead times).

Having knowledge of the driven machine required speed (output speed from geared motor N_2) choose nearest speed and check service factor is adequate.

NB Service factor can be enhanced as follows.

$$\text{Actual service factor} = \frac{\text{Stated service factor} \times \text{Motor power}}{\text{Absorbed power}}$$

(v) Check points raised in paragraph 4.0

Example 1

A shaft mounted motorised Series F gear unit is required to drive a belt conveyor handling material which is uniformly loaded onto the belt. The conveyor has to operate 24 hours per day and the stated absorbed power is 0.7 kW at an input speed of 31 rev/min.
Further a standard output bore and mounting position 1 (see page 9) are required with torque retaining bush.

Following the procedure specified in paragraph 2.1 we have

(i) The load classification for this application is designated as uniform.
(ii) The drive requires a minimum mechanical service factor (FM) of 1.25.
(iii) The next larger motor above the absorbed power is 0.75 kW from page 31 under 4 pole motors and at N_2 = 31 rev / min, therefore the gear unit selection is

F	0	4	2	0	4	5	.	W	M	H	-	1	A	.	7	5	4	A	-

which has a service factor of 1.3 at full motor power.

$$\text{Actual service factor} = \frac{0.75 \times 1.3}{0.7} = \underline{1.39}$$

2.2 GEARED MOTOR CUSTOMER TO FIT THE MOTOR

(i) Calculate the required absorbed power (kW) for the driven machine and choose the appropriate motor.
(ii) Then determine the load classification and hence required mechanical service factor (FM) as paragraph 2.1 (ii) and (iii).
(iii) Calculate unit ratio = $\frac{\text{Input Speed}}{\text{Output Speed}}$ and determine the number of reduction stages using exact gear ratio tables on pages 7 - 8.

(iv) Calculate the required mechanical rating of the gear unit

$$P_{mech} = \text{Absorbed Power} \times \text{Service Factor.}$$

(v) Using rating tables pages 73 to 92 select size of unit with required mechanical rating.
(vi) Check the motor is suitable for mounting on the selected gear unit referring to page 15.
(vii) Check points raised in paragraph 4.0.

Example 2

A shaft mounted unit is to be fitted by the customer with a 1.5 kW 1450 rev/min motor a 90L B14 C frame. The output shaft is to rotate at 58 rev/min and is to be coupled to an industrial fan which operates 8 hours per day.

Following the procedure specified in paragraph 2.2, we have

(i) The load classification for this application is moderate shock.
(ii) The drive requires a minimum mechanical service factor of 1.25.
(iii) Required unit ratio = $\frac{1450}{58}$ * ie. $\frac{25/1}{}$ * Check motor supplier's data for actual speed.

(iv) Referring to exact ratio table, a double reduction nominal ratio 25/1 is required and mechanical rating requirement of:-

Pmech = 1.25 x 1.5, ie. 1.875 kW.

(v) Referring to the unit mechanical rating table, page 77, the M0420 has a capacity of 2.33 kW hence adequate for the application.
(vi) Referring to page 15, it can be seen that to attach the 90L Frame B14 C face motor to the M0420 unit, the motor adaptor D is required which is entered in column 12 of the unit designation.
(vii) The unit designation for this application is

F	0	4	2	0	2	5	.	W	G	H	D	1	-	-	-	-	-	-	-

3.0 REDUCER UNIT SELECTION

(i) Calculate the unit ratio = $\frac{\text{Input Speed}}{\text{Output Speed}}$ and hence from the ratio the number of reductions required (see pages 7 - 8)

(ii) Determine the load classification and mechanical service factor as paragraph 2.1 (ii) and (iii).
(iii) Calculate the required mechanical torque rating

$$\text{Tmech} = \frac{\text{Absorbed Power x 9550 x Mechanical Service Factor}}{\text{Input Speed Driven Machine}}$$

(iv) Using unit mechanical rating tables, pages 73 to 92, select appropriate unit.
(v) Check for the chosen unit that actual output speed is that required using exact ratio tables, pages 7 - 8 and prime mover speed.
(vi) Check points raised in paragraph 4.0.

Example 3 Using Example 1 again but unit with base feet and standard output shaft.

(i) We know the absorbed power is 0.7 kW and the load classification operating conditions demand a minimum mechanical service factor of 1.25.

(ii) Unit ratio = $\frac{1450}{31}$ ie 46.77/1 From the exact ratio tables a nominal ratio of 45/1 will be used for the unit selection.

(iii) Required Tmech = 0.7 x $\frac{9550}{31}$ x 1.25 = 270Nm.

(iv) From the unit rating tables the M0420 45/1 has a torque capacity of 350Nm.
Hence the selection is adequate for the application.
(v) If Power Build Limited supplied the motor the actual motor speed would be 1380 rev/min, this together with exact ratio of 21.99 yields:-

Input speed to Driven machine = $\frac{1400}{45.14}$ ie 31.01 rev/min.

(vi) The input designation for this application is

F	0	4	2	0	4	5	.	B	R	C	-	4	-	-	-	-	-	-	-

4.0 ADDITIONAL INFORMATION

(i) Gear unit overload capacity is 2.0 x mechanical rating, 10 times per day.
(ii) If the unit is subject to overhung loads or axial thrusts, check these can be accommodated, see pages 20 to 58 geared motors or page 69 and 70 gear reducers.

(iii) If the $\frac{\text{Inertia of the Driven Machine (Referred to Motor Speed)}}{\text{Inertia of Gear Unit plus Motor}} > 1.0$

then consult Power Build Limited Application Engineers.

(iv) If the ambient temperature is above 40°C then consult Power Build Limited Application Engineers.

EXACT RATIOS - DOUBLE REDUCTION

NOMINAL RATIO COLUMN ENTRY [6 7 8]	F0420	F0620	F0720	F0820	F0920	F1020
5 . 0	5.113	5.031	5.151	5.088	5.085	5.107
6 . 3	6.320	6.273	6.420	6.242	6.567	6.433
7 . 1	7.172	7.074	7.136	7.212	7.000	7.133
8 . 0	7.903	7.928	8.016	8.012	7.846	7.758
9 . 0	8.975	8.900	8.813	8.912	8.807	8.812
1 0 .	9.768	9.886	9.990	9.830	10.13	9.772
1 1 .	11.40	11.30	11.51	11.52	11.35	11.48
1 2 .	12.95	12.81	13.09	12.94	12.68	12.39
1 4 .	14.09	14.09	14.35	14.14	14.66	14.46
1 6 .	16.01	15.97	16.31	15.87	16.37	15.61
1 8 .	17.63	17.59	17.48	17.88	17.58	18.07
2 0 .	20.03	20.48	20.09	20.81	20.04	20.46
2 2 .	21.79	21.94	21.79	21.93	22.70	22.76
2 5 .	24.75	25.51	25.04	25.53	25.88	25.77
2 8 .	28.82	28.92	28.77	28.58	28.41	28.04
3 2 .	31.33	30.88	32.53	32.26	31.56	31.16
3 6 .	35.62	36.06	35.86	35.06	36.69	35.32
4 0 .	38.72	38.50	40.55	39.58	40.78	39.25
4 5 .	45.14	45.18	44.99	45.60	44.58	44.49
5 0 .	50.66	49.47	49.27	50.09	49.22	51.19
5 6 .	55.79	56.34	56.07	55.95	57.58	55.97
6 3 .	62.86	61.69	61.40	61.46	63.56	64.49
7 1 .	67.10	67.58	68.02	67.04	67.71	69.24
8 0 .	76.29	75.79	75.58	77.20	76.14	74.39
9 0 .	82.94	84.26	84.78	82.25	87.44	87.21
1 0 0	94.29	94.50	94.20	94.71	98.32	93.70

EXACT RATIOS - TRIPLE REDUCTION

NOMINAL RATIO COLUMN ENTRY [6 7 8]	F0430	F0630	F0730	F0830	F0930	F1030
6 3 .	63.92	63.48	63.46			
7 1 .	73.05	72.12	73.81			
8 0 .	79.00	79.15	79.09			
9 0 .	90.28	89.92	91.99			
1 0 0	98.59	103.8	104.3	103.3	102.5	102.8
1 1 2	115.5	112.8	111.4	116.6	113.9	114.2
1 2 5	121.9	129.4	130.0	126.8	132.3	129.5
1 4 0	142.8	140.7	136.8	143.1	147.0	143.9
1 6 0	161.5	162.6	163.0	164.9	160.8	162.9
1 8 0	179.5	183.2	178.4	181.1	177.5	187.7
2 0 0	199.7	202.7	203.1	202.3	207.7	205.2
2 2 5	221.8	228.4	222.4	222.2	229.3	236.4
2 5 0	247.7	241.7	243.7	242.4	244.2	253.9
2 8 0	281.6	274.7	273.4	279.1	274.6	272.7
3 1 5	306.2	301.3	303.8	297.4	315.4	319.8
3 5 5	348.0	342.6	340.7	342.4	354.7	343.6

EXACT RATIOS - QUADRUPLE REDUCTION

NOMINAL RATIO	COLUMN ENTRY [6][7][8]	F0640	F0740	F0840	F0940	F1040
360	3 6 0	348.1	368.5	344.7	358.5	361.0
400	4 0 0	404.8	393.5	401.0	412.2	420.3
450	4 5 0	440.1	447.0	439.5	457.6	447.8
500	5 0 0	516.1	501.6	511.2	525.8	521.3
560	5 6 0	561.0	569.8	566.7	590.0	577.1
630	6 3 0	634.0	643.3	605.0	657.4	651.3
710	7 1 0	714.4	699.4	722.5	753.2	715.9
800	8 0 0	785.0	820.1	771.4	851.8	808.4
900	9 0 0	853.4	891.6	808.7	855.0	891.3
1000	1 0 C	1001	974.3	940.5	982.8	1038
1100	1 1 C	1088	1059	1031	1091	1106
1200	1 2 C	1229	1242	1199	1254	1287
1400	1 4 C	1385	1350	1329	1407	1425
1600	1 6 C	1567	1526	1419	1591	1608
1800	1 8 C	1766	1719	1695	1796	1768
2000	2 0 C	1948	1945	1809	2031	1996
2200	2 2 C	2195	2192	2077	2200	2274
2500	2 5 C	2649	2418	2274	2410	2498
2800	2 8 C	2896	2724	2648	2809	2821
3200	3 2 C	3292	3287	3187	3075	3100
3600	3 6 C	3611	3594	3490	3431	3560
4000	4 0 C	4105	4086	3960	3758	3911
4500	4 5 C	4511	4539	4441	4281	4776
5000	5 0 C	4932	4962	4767	5189	5233
5600	5 6 C	5607	5642	5346	5765	6026

EXACT RATIOS - QUINTUPLE REDUCTION

NOMINAL RATIO	COLUMN ENTRY [6][7][8]	F0650	F0750	F0850	F0950	F1050
4500	4 5 C	4400	4249			
5000	5 0 C	4889	4978			
5600	5 6 C	5609	5461			
6300	6 3 C	6232	6068	6539	6381	6469
7100	7 1 C	6971	6961	7390	6936	7032
8000	8 0 C	7746	7735	8326	7838	7947
9000	9 0 C	8602	8653	9420	8831	8954
10000	1 0 K	9776	9814	10614	9992	10131
11000	1 1 K	10692	10676	11708	11257	11413
12000	1 2 K	12151	12133	13192	12418	12590
14000	1 4 K	13331	13270	14004	13992	14186
16000	1 6 K	15151	15081	15920	16887	17121
18000	1 8 K	18210	18321	17406	18464	18720
20000	2 0 K	20695	20822	19788	20991	21282

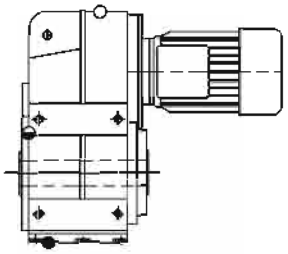
NOMINAL RATIO ENTERED IN COLUMNS [6][7][8]

MOUNTING POSITION

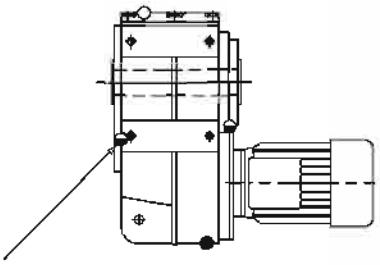
MOUNTING POSITIONS

COLUMN 13 ENTRY

MOUNTING 1

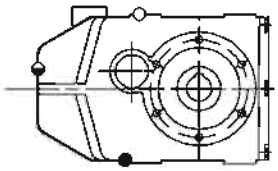


MOUNTING 2

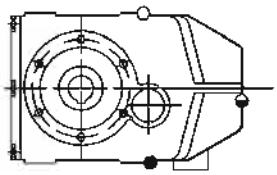


FOR F08, F09 & F10 UNITS FILL TO PLUG AT THIS SIDE OF CASE

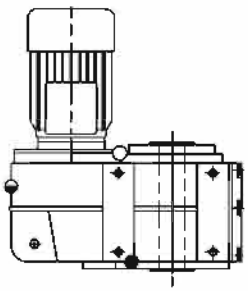
MOUNTING 3

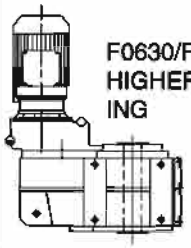


MOUNTING 4



MOUNTING 5

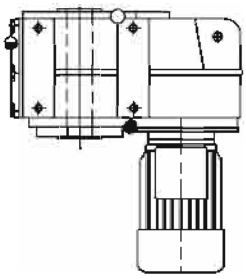




F0630/F0730 - OIL LEVELS TO HIGHER PLUG IN TRIPLE HOUSING

F0430 - NO OIL PLUGS IN TRIPLE HOUSING

MOUNTING 6

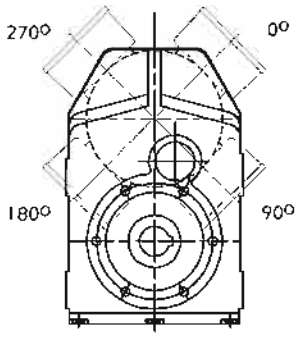


MOTOR MUST BE FITTED WITH SEAL FOR THIS POSITION

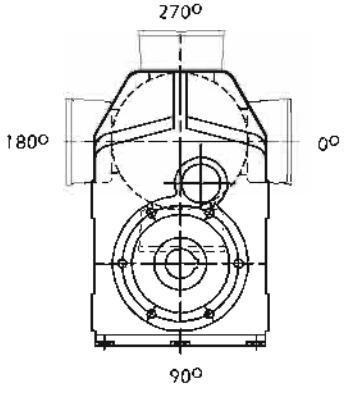
MOUNTING POSITIONS - SHOWN AS MOTORISED - APPLIES ALSO FOR REDUCERS
TERMINAL BOX SHOWN IN POSITION A - COLUMN 14 ENTRY

TERMINAL BOX POSITIONS

COLUMN 14 ENTRY



D63 MOTORS ONLY
(SIZES F0420, F0430, F0640, F0650, F0740, F0750, F0850, F0950 & F1050 ONLY)



ALL MOTORS

- ● DRAIN POSITION
- ◒ LEVEL POSITION
- ○ VENTILATOR/FILLING POSITION

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

The standard lubricant is suitable for operation in ambient temperatures of 0° to 30°C, outside of this consult either Table 2 or 3 on pages 11 and 12 or Power Build Limited Application Engineers.

TABLE 1 LUBRICANT QUANTITY (Litres)

DOUBLE AND TRIPLE REDUCTION													
Unit Size		F0420	F0430	F0620	F0630	F0720	F0730	F0820	F0830	F0920	F0930	F1020	F1030
MOUNTING POSITION	1	1.7	2.0	4.7	4.6	8.9	8.2	10.9	10.9	19.0	18.0	34.0	34.0
	2	1.0	1.2	2.5	3.4	4.2	5.6	6.6	6.7	13.0	14.5	22.0	23.0
	3	1.4	1.8	3.9	4.7	7.0	7.7	10.0	9.4	17.0	16.0	28.0	28.0
	4	1.1	1.3	2.5	2.7	4.4	4.8	9.4	9.0	15.0	16.0	26.5	27.5
	5	1.8	2.6	3.9	6.5	7.0	11.9	14.0	14.0	24.0	24.0	43.0	43.0
	6	2.1	2.6	5.0	5.8	8.8	10.9	15.3	15.3	25.0	25.0	43.0	43.0

QUADRUPLE AND QUINTUPLE REDUCTION													
Unit Size		F0640		F0650		F0740		F0750		F0840		F0850	
		Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary
		M0420	F0620	M0430	F0620	M0420	F0720	M0430	F0720	M0620	F0820	M0420	F0830
MOUNTING POSITION	1	0.6	4.7	0.9	4.7	0.6	8.0	0.9	8.0	1.7	10.9	0.6	10.9
	2	0.6	2.5	0.9	2.5	0.6	4.2	0.9	4.2	1.7	6.6	0.6	6.7
	3	0.6	3.9	0.9	3.9	0.6	7.0	0.9	7.0	1.7	10.0	0.6	9.4
	4	0.6	2.5	0.9	2.5	0.6	4.4	0.9	4.4	1.7	9.4	0.6	9.0
	5	1.4	3.9	2.1	3.9	1.4	7.0	2.1	7.0	3.1	14.0	1.4	14.0
	6	1.6	5.0	2.1	5.0	1.6	8.8	2.1	8.8	3.6	15.3	1.6	15.3

QUADRUPLE AND QUINTUPLE REDUCTION									
Unit Size		F0940		F0950		F1040		F1050	
		Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary
		M0720	F0920	M0420	F0930	M0820	F1020	M0420	F1030
MOUNTING POSITION	1	2.8	19.0	0.6	18.0	4.6	34.0	0.6	34.0
	2	2.8	13.0	0.6	14.5	4.6	22.0	0.6	23.0
	3	2.8	17.0	0.6	16.0	4.6	28.0	0.6	28.0
	4	2.8	15.0	0.6	16.0	4.6	26.5	0.6	27.5
	5	6.3	24.0	1.4	24.0	9.5	43.0	1.4	43.0
	6	6.8	25.0	1.6	25.0	10.5	43.0	1.6	43.0

TABLE 2 MINERAL OILS

Type E - Mineral oils containing industrial EP additives. These have a high load carrying capacity

SUPPLIER	LUBRICANT RANGE	LUBRICANT OIL GRADE	
		6E	7E
		AMBIENT TEMPERATURE RANGE °C	
		0 to 30	20 to 50
Batoyle Freedom Group	Remus	320 (-2)	460 (-2)
Boxer Services / Millers Oils	Indus	320 (-10)	460 (-10)
BP Oil International Limited	Energol GR-XF	320 (-13)	460 (-1)
	Energol GR-XP	320 (-10)	460 (-7)
Caltex	Meropa	320 (-4)	460 (-4)
	RPM Borate EP Lubricant	320 (-4)	460 (-7)
Carl Bechem GmbH	Berugear GS BM	320 (-13)	460 (-10)
	Staroil G	320 (-13)	460 (-10)
Castrol International	Alpha Max	320 (-13)	460 (-10)
	Alpha SP	320 (-16)	460 (-1)
Chevron International	Gear Compound EP (USA version)	320 (-13)	460 (-10)
Oil Company Limited	Gear Compound EP (Eastern ver)	320 (-13)	460 (-13)
	Ultra Gear	320 (-7)	460 (-7)
Eko-Elda Abee	Eko Gearlub	320 (-10)	460 (-1)
Engen Petroleum Limited	Gengear	320 (-12)	460 (-3)
Esso	Spartan EP	320 (-13)	460 (-7)
Esso/Exxon	Spartan EP	320 (-12)	460 (-4)
Fina	Giran	320 (-10)	460 (-10)
Fuchs Lubricants	Powergear	P/Gear (-16)	M460 (-4)
	Renogear V	320EP (-4)	460EP (-4)
	Renogear WE	320 (-4)	400 (-4)
	Renolin CLPF Super	8 (-10)	10 (-10)
Klüber Lubrication	Klüberoil GEM1	320 (-5)	460 (-5)
Kuwait Petroleum International	Q8 Goya	320 (-13)	460 (-10)
Lubrication Engineers Inc	Almasol Vari-Purpose Gear	605 (-13)	608 (-10)
Mobil Oil Company Limited	Mobil gear 600 Series	632 (-13)	634 (-1)
	Mobil gear XMP	320 (-13)	460 (-7)
Omega Manufacturing Division	Omega 690	85w/140 (-15)	
Optimol Ölwerke GmbH	Optigear BM	320 (-10)	460 (-7)
	Optigear	320 (-9)	460 (-7)
Pertamina (Indonesia)	Masri	320 (-4)	460 (-4)
Petro-Canada	Ultima EP	320 (-16)	460 (-10)
Rocol	Sapphire Hi-Torque	320 (-13)	460 (-13)
Sasol Oil (Pty) Limited	Cobalt	320 (-1)	460 (-4)
	Hemat	320 (-7)	460 (-4)
Saudi Arabian Lubricating Oil	Gear Lube EP	EP320 (0)	EP460 (0)
Shell Oils	Omala S2G	320 (-4)	460 (-4)
	Omala F	320 (-10)	460 (-4)
Texaco Limited	Meropa	320 (-16)	460 (-10)
	Meropa WM	320 (-16)	460 (-11)
Total	Carter EP	320 (-7)	460 (-4)
	Carter VP/CS	320 (-13)	460 (-7)
Tribol GmbH	Molub-Alloy Gear Oil	690 (-16)	140 (-13)
	Tribol 1100	320 (-18)	460 (-16)

DANGER
Numbers in brackets indicate recommended minimum operating temperature in °C.
THE UNIT MUST NOT RUN BELOW THIS TEMPERATURE.

TABLE 3 SYNTHETIC OILS

Type H - Polyalphaolefin based synthetic lubricants with Anti-Wear or EP additives. These have a medium to high load carrying capacity.

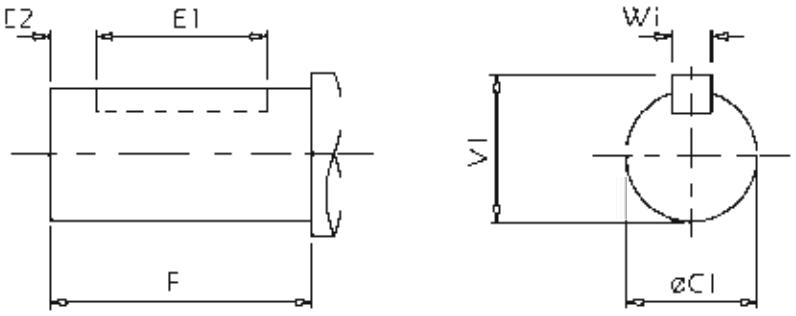
SUPPLIER	LUBRICANT RANGE	LUBRICANT OIL GRADE		
		5H	6H	7H
		AMBIENT TEMPERATURE RANGE °C		
		-30 to 10	-10 to 30	20 to 50
Batoyle Freedom Group	Titan	220 (-31)	320 (-28)	
Boxer Services / Millers Oils	Silkgear	220 (-35)	320 (-35)	460 (-35)
BP Oil International Limited	Energyn EPX		320 (-26)	
Caltex	Pinnacle EP	220 (-43)	320 (-43)	460 (-37)
Carl Bechem GmbH	Berusynth GP	220 (-38)	320 (-35)	460 (-32)
Castrol International	Alphasyn EP	220 (-37)	320 (-31)	460 (-31)
	Alphasyn T	220 (-31)	320 (-28)	460 (-28)
Chevron International	Tegra	220 (-46)	320 (-33)	460 (-31)
Esso/Exxon	Spartan Synthetic EP	220 (-46)	320 (-43)	460 (-40)
Fuchs Lubricants	Renogear SG	220 (-32)	320 (-30)	
	Renolin Unisyn CLP	220 (-37)	320 (-34)	460 (-26)
Klüber Lubrication	Klübersynth GEM 4	220 (-30)	320 (-25)	460 (-30)
Kuwait Petroleum International	Q8 EL Greco	220 (-22)	320 (-19)	460 (-16)
Lubrication Engineers Inc	Synolec Gear Lubricant	9920 (-40)		
Mobil Oil Company Limited	Mobilgear SHC	220 (-40)	320 (-37)	460 (-32)
	Mobilgear SHC XMP	220 (-40)	320 (-33)	460 (-31)
Optimol Ölwerke GmbH	Optigear Synthetic A	220 (-31)	320 (-31)	
Petro-Canada	Super Gear Fluid	220 (-43)	320 (-37)	460 (-37)
Shell Oils	Omala HD	220 (-43)	320 (-40)	460 (-37)
Texaco Limited	Pinnacle EP	220 (-43)	320 (-43)	460 (-37)
	Pinnacle WM	220 (-43)	320 (-40)	
Total	Carter SP	220 (-34)	320 (-31)	460 (-28)
Tribol GmbH	Tribol 1510	220 (-36)	320 (-33)	460 (-28)

DANGER

Numbers in brackets indicate recommended minimum operating temperature in °C.

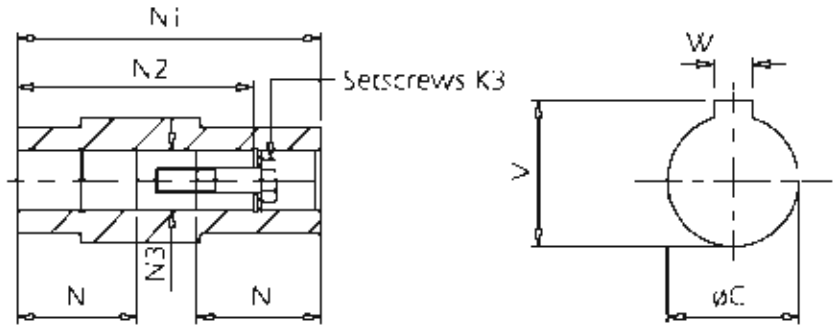
THE UNIT MUST NOT RUN BELOW THIS TEMPERATURE.

OUTPUTSHAFT OPTIONS, COLUMN 11 ENTRY



SIZE OF UNIT	TYPE OF OUTPUTSHAFT	COLUMN 11 ENTRY	DIMENSIONS IN MM					
			øC1	E	E1	E2	V1	W1
F04	Standard Single Ext.	C	30.015/30.002	57	50	3	33	8
	Standard Double Ext.	D	29.993/29.980					
F06	Standard Single Ext.	C	35.018/35.002	66	58	3	38	10
	Standard Double Ext.	D	34.991/34.975					
F07	Standard Single Ext.	C	50.018/50.002	86	80	3	53.5	14
	Standard Double Ext.	D	49.991/49.975					
F08	Standard Single Ext.	C	60.030/60.011	114	100	3	64	18
	Standard Double Ext.	D	59.990/59.971					
F09	Standard Single Ext.	C	70.030/70.011	135	110	3	74.5	20
	Standard Double Ext.	D	69.990/69.971					
F10	Standard Single Ext.	C	90.035/90.013	172	140	5	95	25

OUTPUT BORE OPTIONS, COLUMN 11 ENTRY



SIZE OF UNIT	TYPE OF BORE	COLUMN 11 ENTRY	DIMENSIONS IN MM							
			øC	K3	N	N1	N2	øN3	V	W
F04	Standard	H	30.021/30.000	M10x50L	67.5	150	122	30.2	33.5	8
F06	Standard	H	40.025/40.000	M16x70L	90	200	156	40.2	43.5	12
F07	Standard	H	50.025/50.000	M16x70L	105	235	183	50.2	54.0	14
F08	Standard	H	60.030/60.000	M20x80L	117.5	265	210	60.2	64.5	18
F09	Standard	H	70.030/70.000	M20x80L	147.5	330	270	70.2	75	20
F10	Standard	H	80.030/80.000	M20x80L	165	370	313	80.2	85.5	22

IEC MOTOR ADAPTORS, COLUMN 12 ENTRY FOR G OR M TYPE ONLY

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER																														
		F0420		F0430	F0620		F0630		F0640	F0650	F0720		F0730	F0740		F0750	F0820		F0830	F0840	F0850	F0920		F0930	F0940	F0950	F1020		F1030	F1040	F1050
	RATIO COVERAGE	5.0 - 25.	28. - 100	63. - 360	5.0 - 16.	18. - 100	63. - 90.	100 - 360	360 - 5600	4500 - 20000	5.0 - 16.	18. - 100	63 - 360	360 - 560	630 - 5600	4500 - 20000	5.0 - 25.	28. - 100	100 - 360	360 - 5600	6300 - 20000	5.0 - 25.	28. - 100	100 - 360	360 - 5600	6300 - 20000	5.0 - 25.	28. - 100	100 - 360	360 - 5600	6300 - 20000
63/D	COLUMN 12 ENTRY	-	**F**	**F**	-	V	-	**F**	**F**	**F**	-	-	V	-	**F**	**F**	-	-	-	V	**F**	-	-	-	-	F	-	-	-	-	**F**
71/D		-	G	G	-	D	-	G	G	G	-	-	D	-	G	G	-	-	-	D	G	-	-	-	-	G	-	-	-	-	G
71/C		-	**H**	**H**	-	**E**	-	**H**	**H**	**H**	-	-	**E**	-	**H**	**H**	-	-	-	**E**	**H**	-	-	-	-	**H**	-	-	-	-	**H**
80/D		A	J	J	W	F	A	J	J	J	-	**F**	F	A	**J**	J	-	D	F	**F**	**J**	-	E	L	**F**	**J**	-	-	E	D	J
80/C		**B**	**K**	**K**	**X**	**G**	**B**	**K**	**K**	**K**	-	**G**	**G**	**B**	K	**K**	-	-	**G**	**G**	**K**	-	-	-	**G**	**K**	-	-	-	-	**K**
90/D		C	**Q**	**Q**	Y	H	C	**Q**	**Q**	**Q**	-	H	H	C	**Q**	**Q**	-	E	**H**	H	**Q**	-	F	**M**	**H**	**Q**	-	-	F	E	**Q**
90/C		D	R	R	**Z**	**J**	D	R	R	R	-	**J**	**J**	D	R	R	-	-	**J**	**J**	R	-	-	-	J	**R**	-	-	-	-	R
100/D		-	-	-	A	K	-	-	-	-	**A**	K	K	-	-	-	**A**	**F**	K	K	-	-	G	**N**	K	-	-	**E**	G	F	-
100/C		E	**S**	**S**	**B**	**L**	**E**	S	**S**	**S**	**B**	**L**	**L**	**E**	S	S	-	-	**L**	**L**	S	-	-	-	**L**	**S**	-	-	-	-	S
112/D		-	-	-	A	K	-	-	-	-	**A**	K	**K**	-	-	-	**A**	**F**	**K**	K	-	-	**G**	**N**	K	-	-	**E**	G	F	-
112/C		E	**S**	**S**	**B**	**L**	**E**	**S**	**S**	**S**	**B**	**L**	**L**	**E**	**S**	**S**	-	-	**L**	**L**	**S**	-	-	-	**L**	**S**	-	-	-	-	**S**
132/D		-	-	-	**N**	P	-	-	-	-	**C**	M	**P**	-	-	-	B	G	**M**	P	-	-	H	-	**M**	-	-	**F**	**H**	G	-
132/C		-	-	-	C	**M**	-	-	-	-	**D**	**N**	**M**	-	-	-	-	-	**N**	M	-	-	-	-	**N**	-	-	-	-	-	-
160/D		-	-	-	-	-	-	-	-	-	E	P	-	-	-	-	C	**H**	**P**	-	-	**A**	J	-	P	-	**A**	G	**J**	H	-
180/D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	**K**	-	-	-	**B**	H	**K**	-	-
200/D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	L	-	-	-	**C**	**J**	L	-	-
225/D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**D**	**M**	-	-	-	D	K	**M**	-	-

BOLD - IF UNITS SUPPLIED AS GEARHEAD ONLY THEY WILL BE SUPPLIED LESS LUBRICANT

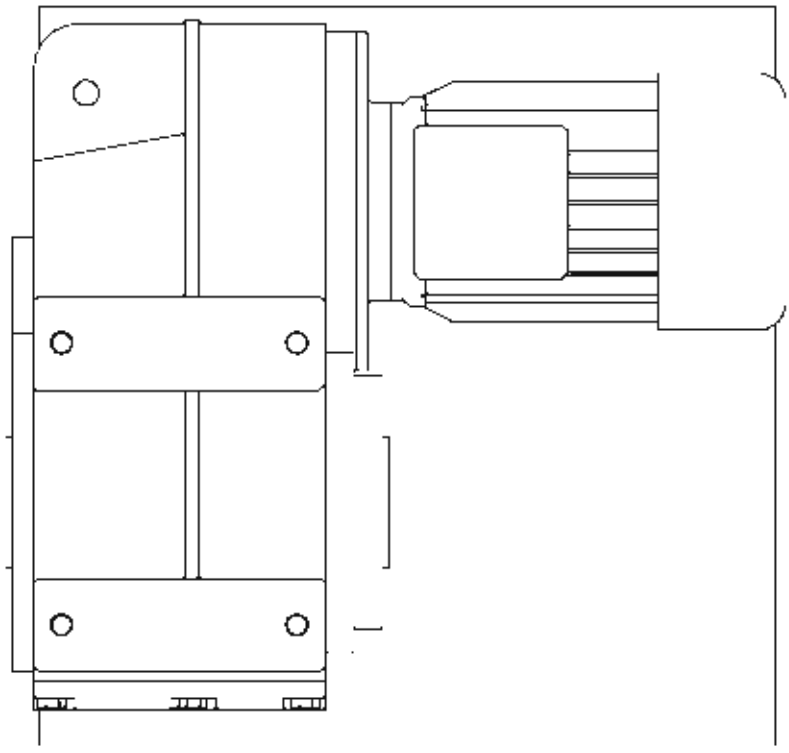
ADDITIONAL FEATURES - COLUMN 20 ENTRY

Column 20 Entry	Double Oil Seals	Prime Painted Only	Motorised Backstop	Lubricant Type * (See lubrication details - Pages 10 - 12)	
				Mineral	Synthetic
- (1)				●	
A	●			●	
B		●		●	
C	●	●		●	
D (2)					
E	●				
F		●			
G	●	●			
H					●
J	●				●
K		●			●
L	●	●			●
M			●	●	
N	●		●	●	
P		●	●	●	
Q	●	●	●	●	
R			●		
S	●		●		
T		●	●		
U	●	●	●		
V			●		●
W	●		●		●
X		●	●		●
Y	●	●	●		●

* Customer requests for special oils must be referred to Power Build Limited Applications Engineering, since a derate could result depending on oil type used.

(1) Standard option sizes F04, F06 and F07

(2) Standard option sizes F08, F09 and F10



MOTORISED
SERIES F
POWER BUILD LIMITED

MOTOR PERFORMANCE DATA
ALUMINIUM FRAME MOTORS

MOTORS AVAILABLE
COLUMN 19 ENTRY

TYPE OF MOTOR	COLUMN 19 ENTRY
STANDARD	A
STANDARD WITH BRAKE	B *
STANDARD WITH BRAKE & HAND RELEASE	C
FIT NON STANDARD MOTOR	N
FIT FREE ISSUE MOTOR	F

* The standard motor with brake will be fitted with a rectifier and wired for AC switching.

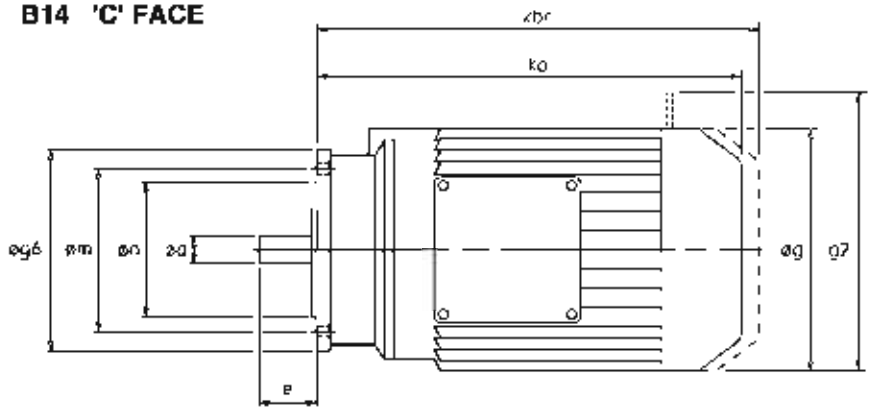
For fast braking needed with safety critical applications (ie lifts, hoists and cranes), it is essential to switch the brake on the DC side of the rectifier.

In such cases motor type N should be entered in column 19.

All variants of standard IEC motors can be fitted to Series F, For example:-

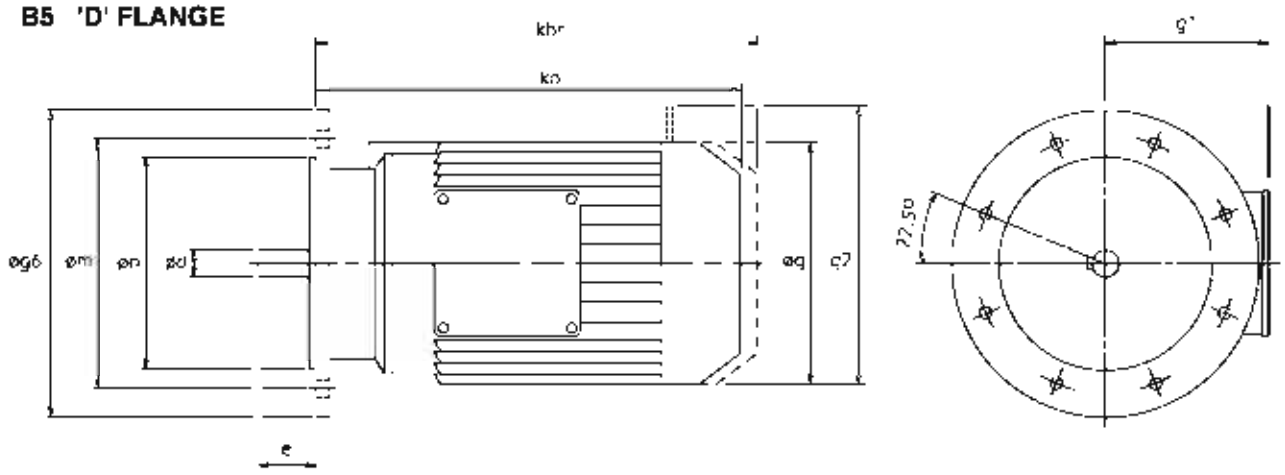
- Single phase
- DC
- Energy efficient
- Explosion-proof
- Suitable to be used with inverters
- Force vented
- Flame proof
- Two speed
- Crane duty
- Fitted with thermistors
- Fitted with anti condensation heaters

B14 'C' FACE



MOTOR FRAME SIZE	øg6	øm	øn	ød	e	ko	kbr	øg	g1	g2	FIXING BOLTS
71	105	85	70	14	30	210	251	137	107	167	4-M6
80	120	100	80	19	40	230	280	158	118	190	4-M6
90S/L	140	115	95	24	50	270	329	177	149	218	4-M8
100	160	130	110	28	60	340	408	197	159	238	4-M8
112	160	130	110	28	60	340	408	197	159	238	4-M8

B5 'D' FLANGE



MOTOR FRAME SIZE	øg6	øm	øn	ød	e	ko	kbr	øg	g1	g2	FIXING BOLTS
63	140	115	95	11	23	185	227	122	101	160	4-M8
71	160	130	110	14	30	210	251	137	107	167	4-M8
80	200	165	130	19	40	230	280	158	118	190	4-M10
90S/L	200	165	130	24	50	270	329	177	149	218	4-M10
100	250	215	180	28	60	340	408	197	159	238	4-M12
112	250	215	180	28	60	340	408	197	159	238	4-M12
132S/M	300	265	230	38	80	402	473	253	184	286	4-M12
160M/L	350	300	250	42	110	538	627	314	230	397*	4-M16
180M	350	300	250	48	110	538	663	314	257	452*	4-M16
180L	350	300	250	48	110	613	701	354	257	452*	4-M16
200L	400	350	300	55	110	613	807	354	257	549*	4-M16
225S/M	450	400	350	60	140	690	1105	411	280	561*	8-M16

* Maximum dimension

These dimensions apply to standard Power Build Limited motors

Dimensions except g6, m, n, d and e will vary as per make of motor.

0.12 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
47	28.82	23	11.88	7610	F 0 4 2 0 2 8 . _M_ - _ _ . 1 2 4 A_	25.5	63
43	31.33	25	11.18	7670	3 2 .		
38	35.62	29	11.88	7670	3 6 .		
35	38.72	31	11.18	7670	4 0 .		
30	45.14	36	7.97	7670	4 5 .		
27	50.86	41	7.22	7670	5 0 .		
24	55.79	45	7.97	7670	5 6 .		
22	62.86	51	7.22	7670	6 3 .		
20	67.10	54	4.88	7670	7 1 .		
18	76.29	61	4.06	7670	8 0 .		
16	82.94	67	4.88	7670	9 0 .		
14	94.29	76	4.06	7670	1 0 0		
21	63.92	51	7.34	7670	F 0 4 3 0 6 3 . _M_ - _ _ . 1 2 4 A_	28.5	63
19	73.05	58	6.42	7670	7 1 .		
17	79.00	63	6.07	7670	8 0 .		
15	90.28	72	5.31	7670	9 0 .		
14	98.59	79	4.77	7670	1 0 0		
12	115.51	92	4.07	7670	1 1 2		
11	121.85	97	3.94	7670	1 2 5		
10	142.76	114	3.37	7660	1 4 0		
8.4	161.54	129	2.92	7660	1 6 0		
7.6	179.49	143	2.63	7650	1 8 0		
6.8	199.65	159	2.42	7640	2 0 0		
6.1	221.84	177	2.18	7640	2 2 5		
5.5	247.74	198	1.78	7630	2 5 0		
4.8	281.55	225	1.52	7620	2 8 0		
4.4	306.20	244	1.59	7610	3 1 5		
3.9	347.99	277	1.40	7530	3 5 5		
5.0	274.74	220	3.78	14900	F 0 6 3 0 2 8 0 _M_ - _ _ . 1 2 4 A_	54.5	63
4.5	301.33	242	3.33	14900	3 1 5		
4.0	342.56	274	2.94	14900	3 5 5		
3.9	348.08	278	2.71	14803	F 0 6 4 0 3 8 0 _M_ - _ _ . 1 2 4 A_	82.5	63
3.4	404.84	321	2.51	14803	4 0 0		
3.1	440.13	349	2.31	14803	4 5 0		
2.6	516.06	408	1.97	14803	5 0 0		
2.4	561.05	443	1.82	14803	5 6 0		
2.1	634.05	501	1.61	14803	6 3 0		
1.9	714.42	563	1.43	14803	7 1 0		
1.7	784.98	620	1.35	14567	8 0 0		
1.6	853.42	673	1.24	14567	9 0 0		
1.4	1000.64	787	1.06	14567	1 0 C		
1.3	1087.88	855	0.98	14567	1 1 C		
1.1	1229.42	967	0.87	14567	1 2 C		
2.1	643.35	508	3.38	18581	F 0 7 4 0 6 3 0 _M_ - _ _ . 1 2 4 A_	104.5	63
1.9	699.44	552	3.11	18581	7 1 0		
1.7	820.10	646	2.66	18581	8 0 0		
1.5	891.60	702	2.45	18581	9 0 0		
1.4	974.27	767	2.24	18581	1 0 C		
1.3	1058.22	833	2.06	18581	1 1 C		
1.1	1241.93	974	1.77	18581	1 2 C		
1.0	1350.21	1059	1.63	18581	1 4 C		
.89	1525.89	1196	1.44	18581	1 6 C		
.79	1719.31	1346	1.28	18581	1 8 C		
.70	1945.08	1520	1.13	18581	2 0 C		
.62	2191.65	1710	1.01	18581	2 2 C		
.56	2417.64	1883	0.91	18581	2 5 C		
.50	2724.10	2119	0.81	18581	2 8 C		
1.8	771.40	608	3.86	20998	F 0 8 4 0 8 0 0 _M_ - _ _ . 1 2 4 A_	147.5	63
1.4	940.55	740	3.77	19052	1 0 C		
1.3	1031.06	808	3.45	19052	1 1 C		
1.1	1199.20	940	2.97	19052	1 2 C		
1.0	1329.24	1044	2.67	19052	1 4 C		
.96	1419.22	1115	2.50	19052	1 6 C		
.80	1694.78	1327	2.10	19052	1 8 C		
.75	1803.50	1416	1.97	19052	2 0 C		
.65	2076.72	1628	1.71	19052	2 2 C		
.60	2273.97	1781	1.56	19052	2 5 C		
.51	2647.82	2068	1.35	19052	2 8 C		
.43	3187.19	2481	1.12	19052	3 2 C		
.39	3489.91	2715	1.03	19052	3 6 C		
.34	3960.34	3082	0.90	19052	4 0 C		
.31	4441.50	3451	0.81	19052	4 5 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.12 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
28	28.82	38	7.39	7670	F 0 4 2 0 2 8 . _ M _ - _ _ . 1 2 6 A _	25.9	63
27	31.33	41	7.32	7670	3 2 .		
23	35.62	47	7.39	7670	3 6 .		
22	38.72	51	7.32	7670	4 0 .		
18	45.14	59	5.40	7670	4 5 .		
16	50.86	67	4.44	7670	5 0 .		
15	55.79	73	5.23	7670	5 6 .		
13	62.86	83	4.44	7670	6 3 .		
12	67.10	88	3.10	7670	7 1 .		
11	76.29	100	2.49	7670	8 0 .		
10	82.94	109	3.10	7670	9 0 .		
8.9	94.29	124	2.49	7660	1 0 0		
13	63.92	83	4.50	7670	F 0 4 3 0 6 3 . _ M _ - _ _ . 1 2 6 A _	28.9	63
11	73.05	95	3.94	7670	7 1 .		
11	79.00	103	3.73	7670	8 0 .		
9.2	90.28	118	3.26	7670	9 0 .		
8.5	98.59	129	2.93	7660	1 0 0		
7.2	115.51	151	2.50	7660	1 1 2		
6.9	121.85	159	2.42	7650	1 2 5		
5.8	142.76	186	2.07	7640	1 4 0		
5.2	161.54	211	1.79	7630	1 6 0		
4.7	178.49	233	1.62	7620	1 8 0		
4.2	199.65	261	1.49	7610	2 0 0		
3.8	221.84	289	1.34	7600	2 2 5		
3.4	247.74	322	1.09	7290	2 5 0		
3.0	281.55	365	0.94	6970	2 8 0		
2.7	306.20	399	0.97	6810	3 1 5		
2.4	347.99	453	0.86	6430	3 5 5		
11	75.79	100	3.79	14900	F 0 6 2 0 8 0 . _ M _ - _ _ . 1 2 6 A _	49.9	63
8.8	94.50	124	3.79	14900	1 0 0		
5.1	162.55	213	3.86	14900	F 0 6 3 0 1 6 0 _ M _ - _ _ . 1 2 6 A _	54.9	63
4.6	183.16	240	3.47	14900	1 8 0		
4.1	202.68	265	3.04	14900	2 0 0		
3.7	226.38	298	2.70	14900	2 2 5		
3.5	241.87	317	2.72	14900	2 5 0		
3.0	274.74	360	2.43	14900	2 8 0		
2.8	301.33	394	2.04	14900	3 1 5		
2.4	342.56	448	1.80	14900	3 5 5		
2.4	348.08	449	1.67	14803	F 0 6 4 0 3 6 0 _ M _ - _ _ . 1 2 6 A _	62.9	63
2.1	404.84	522	1.54	14803	4 0 0		
1.9	440.13	567	1.42	14803	4 5 0		
1.8	516.06	663	1.22	14803	5 0 0		
1.5	561.05	720	1.12	14803	5 6 0		
1.3	634.05	814	0.99	14803	6 3 0		
1.2	714.42	915	0.88	14803	7 1 0		
1.1	784.98	1006	0.83	14567	8 0 0		
3.1	273.36	356	3.79	19700	F 0 7 3 0 2 8 0 _ M _ - _ _ . 1 2 6 A _	87.9	63
2.5	340.89	443	3.79	19700	3 5 5		
1.3	643.35	827	2.08	18581	F 0 7 4 0 6 3 0 _ M _ - _ _ . 1 2 6 A _	104.9	63
1.2	699.44	898	1.91	18581	7 1 0		
1.0	820.10	1050	1.64	18581	8 0 0		
.94	891.60	1141	1.51	18581	9 0 0		
.86	974.27	1246	1.38	18581	1 0 C		
.79	1058.22	1354	1.27	18581	1 1 C		
.67	1241.93	1583	1.09	18581	1 2 C		
.62	1350.21	1720	1.00	18581	1 4 C		
.55	1525.89	1945	0.88	18581	1 6 C		
1.6	511.23	656	3.58	20998	F 0 8 4 0 5 0 0 _ M _ - _ _ . 1 2 6 A _	147.9	63
1.5	566.66	729	3.22	20998	5 6 0		
1.4	605.02	778	3.02	20998	6 3 0		
1.2	722.49	928	2.54	20998	7 1 0		
1.1	771.40	988	2.36	20998	8 0 0		
1.0	808.66	1032	2.70	19052	9 0 0		
.89	940.55	1200	2.32	19052	1 0 C		
.81	1031.06	1309	2.13	19052	1 1 C		
.70	1199.20	1523	1.83	19052	1 2 C		
.63	1329.24	1695	1.64	19052	1 4 C		
.59	1419.22	1810	1.54	19052	1 6 C		
.49	1694.78	2162	1.30	19052	1 8 C		
.46	1809.50	2297	1.21	19052	2 0 C		
.40	2076.72	2643	1.05	19052	2 2 C		
.37	2273.97	2892	0.96	19052	2 5 C		
.32	2647.82	3355	0.83	19052	2 8 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.18 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
47	28.82	35	7.92	7516	F 0 4 2 0 2 8 . _ M _ - _ _ . 1 8 4 A _	25.9	63
43	31.33	38	7.45	7574	3 2 .		
38	35.82	43	7.92	7578	3 6 .		
35	38.72	47	7.45	7577	4 0 .		
30	45.14	55	5.31	7591	4 5 .		
27	50.86	61	4.81	7592	5 0 .		
24	55.79	68	5.31	7595	5 6 .		
22	62.86	76	4.81	7571	6 3 .		
20	67.10	81	3.25	7603	7 1 .		
18	76.29	92	2.70	7568	8 0 .		
16	82.94	100	3.25	7550	9 0 .		
14	94.29	114	2.70	7572	1 0 0		
21	63.92	77	4.89	7562	F 0 4 3 0 6 3 . _ M _ - _ _ . 1 8 4 A _	28.9	63
19	73.05	88	4.28	7582	7 1 .		
17	79.00	95	4.04	7568	8 0 .		
15	90.28	108	3.54	7526	9 0 .		
14	98.59	118	3.18	7547	1 0 0		
12	115.51	139	2.71	7477	1 1 2		
11	121.85	146	2.63	7484	1 2 5		
10	142.76	171	2.25	7373	1 4 0		
8.4	161.54	193	1.95	7381	1 6 0		
7.6	179.49	215	1.76	7290	1 8 0		
6.8	199.65	239	1.61	7212	2 0 0		
6.1	221.84	266	1.45	7112	2 2 5		
5.5	247.74	297	1.19	7057	2 5 0		
4.8	281.55	338	1.01	6849	2 8 0		
4.4	306.20	366	1.06	6742	3 1 5		
7.4	183.16	221	3.67	14852	F 0 6 3 0 1 8 0 _ M _ - _ _ . 1 8 4 A _	54.9	63
6.7	202.68	244	3.30	14833	2 0 0		
6.0	228.38	274	2.93	14757	2 2 5		
5.6	241.67	292	2.81	14858	2 5 0		
5.0	274.74	331	2.52	14746	2 8 0		
4.5	301.33	363	2.22	14718	3 1 5		
4.0	342.56	411	1.96	14676	3 5 5		
3.9	348.08	414	1.80	14803	F 0 6 4 0 3 6 0 _ M _ - _ _ . 1 8 4 A _	62.9	63
3.4	404.84	482	1.67	14803	4 0 0		
3.1	440.13	523	1.54	14803	4 5 0		
2.6	516.06	612	1.32	14803	5 0 0		
2.4	561.05	665	1.21	14803	5 6 0		
2.1	634.05	751	1.07	14803	6 3 0		
1.9	714.42	845	0.95	14803	7 1 0		
1.7	784.98	930	0.90	14567	8 0 0		
1.6	853.42	1010	0.83	14567	9 0 0		
2.1	643.35	763	2.26	18581	F 0 7 4 0 6 3 0 _ M _ - _ _ . 1 8 4 A _	104.9	63
1.9	699.44	829	2.08	18581	7 1 0		
1.7	820.10	969	1.77	18581	8 0 0		
1.5	891.60	1053	1.63	18581	9 0 0		
1.4	974.27	1150	1.50	18581	1 0 C		
1.3	1059.22	1250	1.38	18581	1 1 C		
1.1	1241.93	1462	1.18	18581	1 2 C		
1.0	1350.21	1588	1.08	18581	1 4 C		
.89	1525.89	1794	0.96	18581	1 6 C		
.79	1719.31	2019	0.85	18581	1 8 C		
2.7	511.23	606	3.87	20998	F 0 8 4 0 5 0 0 _ M _ - _ _ . 1 8 4 A _	147.9	63
2.4	566.66	673	3.49	20998	5 6 0		
2.2	605.02	718	3.27	20998	6 3 0		
1.9	722.49	855	2.75	20998	7 1 0		
1.8	771.40	913	2.57	20998	8 0 0		
1.7	808.68	954	2.92	19052	9 0 0		
1.4	940.55	1110	2.51	19052	1 0 C		
1.3	1031.06	1212	2.30	19052	1 1 C		
1.1	1199.20	1410	1.98	19052	1 2 C		
1.0	1329.24	1567	1.78	19052	1 4 C		
.96	1419.22	1673	1.67	19052	1 6 C		
.80	1694.78	1991	1.40	19052	1 8 C		
.75	1809.50	2125	1.31	19052	2 0 C		
.65	2076.72	2442	1.14	19052	2 2 C		
.60	2273.97	2672	1.04	19052	2 5 C		
.51	2647.82	3102	0.90	19052	2 8 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.18 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
28	28.82	56	4.96	7589	F 0 4 2 0 2 8 . _M_ - _ _ . 1 8 6 A_	27.8	71
27	31.33	61	4.91	7591	3 2 .		
24	35.62	70	4.96	7597	3 6 .		
22	38.72	76	4.91	7585	4 0 .		
19	45.14	89	3.62	7598	4 5 .		
17	50.86	100	2.98	7565	5 0 .		
15	55.79	110	3.50	7545	5 6 .		
13	62.86	123	2.98	7506	6 3 .		
13	67.10	132	2.08	7531	7 1 .		
11	76.29	150	1.67	7474	8 0 .		
10	82.84	163	2.08	7446	9 0 .		
8.9	94.29	185	1.67	7482	1 0 0		
13	63.92	125	3.02	7491	F 0 4 3 0 6 3 . _M_ - _ _ . 1 8 6 A_	30.8	71
11	73.05	142	2.64	7496	7 1 .		
11	79.00	154	2.50	7474	8 0 .		
9.3	90.28	176	2.19	7406	9 0 .		
8.5	98.59	192	1.96	7439	1 0 0		
7.3	115.51	225	1.68	7319	1 1 2		
6.9	121.85	237	1.62	7280	1 2 5		
5.9	142.76	278	1.39	7136	1 4 0		
5.2	161.54	314	1.20	7076	1 6 0		
4.7	179.49	348	1.08	6909	1 8 0		
4.2	199.65	389	1.00	6765	2 0 0		
3.8	221.84	431	0.90	6561	2 2 5		
12	67.58	133	4.00	14900	F 0 6 2 0 7 1 . _M_ - _ _ . 1 8 6 A_	51.8	71
11	75.79	149	2.54	14900	8 0 .		
10	84.26	166	4.00	14890	9 0 .		
8.9	94.50	186	2.54	14900	1 0 0		
8.1	103.79	203	3.98	14777	F 0 6 3 0 1 0 0 _M_ - _ _ . 1 8 6 A_	56.8	71
7.4	112.84	221	3.66	14890	1 1 2		
6.5	129.41	253	3.18	14852	1 2 5		
6.0	140.70	275	2.92	14804	1 4 0		
5.2	162.55	318	2.59	14844	1 6 0		
4.6	183.16	358	2.33	14746	1 8 0		
4.1	202.66	395	2.04	14704	2 0 0		
3.7	228.38	445	1.81	14878	2 2 5		
3.5	241.67	472	1.82	14804	2 5 0		
3.1	274.74	537	1.63	14612	2 8 0		
2.8	301.33	587	1.37	14564	3 1 5		
2.5	342.56	665	1.21	14853	3 5 5		
2.4	348.08	669	1.12	14803	F 0 6 4 0 3 6 0 _M_ - _ _ . 1 8 6 A_	64.8	71
2.1	404.84	778	1.03	14803	4 0 0		
1.9	440.13	846	0.95	14803	4 5 0		
1.6	516.06	988	0.82	14803	5 0 0		
3.8	222.40	433	3.88	19442	F 0 7 3 0 2 2 5 _M_ - _ _ . 1 8 6 A_	89.8	71
3.4	243.74	474	3.41	19547	2 5 0		
3.1	273.36	531	2.54	19676	2 8 0		
2.8	303.78	590	2.91	19676	3 1 5		
2.5	340.69	660	2.54	19700	3 5 5		
1.3	643.35	1233	1.40	18581	F 0 7 4 0 6 3 0 _M_ - _ _ . 1 8 6 A_	108.8	71
1.2	699.44	1340	1.26	18581	7 1 0		
1.0	820.10	1567	1.10	18581	8 0 0		
.94	891.50	1702	1.01	18581	9 0 0		
.86	974.27	1859	0.93	18581	1 0 C		
.79	1059.22	2020	0.85	18581	1 1 C		
2.4	344.74	663	3.54	20998	F 0 8 4 0 3 6 0 _M_ - _ _ . 1 8 6 A_	149.8	71
2.1	400.96	770	3.05	20998	4 0 0		
1.9	439.55	842	2.79	20998	4 5 0		
1.6	511.23	978	2.40	20998	5 0 0		
1.5	566.66	1087	2.16	20998	5 6 0		
1.4	605.02	1160	2.02	20998	6 3 0		
1.2	722.49	1380	1.70	20998	7 1 0		
1.1	771.40	1473	1.59	20998	8 0 0		
1.0	806.58	1539	1.81	19052	9 0 0		
.89	940.55	1790	1.56	19052	1 0 C		
.81	1031.06	1953	1.43	19052	1 1 C		
.70	1199.20	2271	1.23	19052	1 2 C		
.63	1329.24	2528	1.10	19052	1 4 C		
.59	1419.22	2698	1.03	19052	1 6 C		
.50	1684.78	3208	0.87	19052	1 8 C		
.46	1809.50	3425	0.81	19052	2 0 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.25 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
48	28.82	48	5.74	7407	F 0 4 2 0 2 8 . _ M _ - _ _ . 2 5 4 A _	27.3	71
44	31.33	52	5.40	7463	3 2 .		
38	35.62	60	5.74	7471	3 6 .		
35	38.72	65	5.40	7470	4 0 .		
30	45.14	76	3.85	7496	4 5 .		
27	50.86	85	3.49	7502	5 0 .		
25	55.79	94	3.85	7509	5 6 .		
22	62.86	105	3.49	7456	6 3 .		
20	67.10	112	2.36	7525	7 1 .		
18	76.29	127	1.96	7449	8 0 .		
17	82.94	139	2.36	7412	9 0 .		
15	94.29	158	1.96	7458	1 0 0		
21	63.92	106	3.55	7437	F 0 4 3 0 6 3 . _ M _ - _ _ . 2 5 4 A _	30.3	71
19	73.05	121	3.11	7480	7 1 .		
17	79.00	131	2.93	7449	8 0 .		
15	90.28	150	2.57	7358	9 0 .		
14	98.59	163	2.31	7403	1 0 0		
12	115.51	191	1.97	7252	1 1 2		
11	121.85	202	1.90	7225	1 2 5		
10	142.76	236	1.63	7040	1 4 0		
8.5	161.54	267	1.41	7056	1 6 0		
7.6	179.49	296	1.27	6870	1 8 0		
6.9	199.65	330	1.17	6714	2 0 0		
6.2	221.84	367	1.05	6496	2 2 5		
5.5	247.74	409	0.86	6390	2 5 0		
18	75.79	127	2.99	14890	F 0 6 2 0 8 0 . _ M _ - _ _ . 2 5 4 A _	51.3	71
14	94.50	158	2.99	14900	1 0 0		
11	129.41	215	3.73	14846	F 0 6 3 0 1 2 5 _ M _ - _ _ . 2 5 4 A _	56.3	71
10	140.70	234	3.44	14780	1 4 0		
8.4	162.55	270	2.99	14808	1 6 0		
7.5	183.16	305	2.66	14796	1 8 0		
6.8	202.66	336	2.39	14755	2 0 0		
6.0	228.38	378	2.13	14590	2 2 5		
5.7	241.67	402	2.04	14809	2 5 0		
5.0	274.74	456	1.83	14567	2 8 0		
4.5	301.33	500	1.61	14506	3 1 5		
4.0	342.56	567	1.42	14848	3 5 5		
3.9	348.08	571	1.31	14803	F 0 6 4 0 3 6 0 _ M _ - _ _ . 2 5 4 A _	64.3	71
3.4	404.84	664	1.21	14803	4 0 0		
3.1	440.13	722	1.12	14803	4 5 0		
2.7	516.06	844	0.95	14803	5 0 0		
2.4	561.05	917	0.88	14803	5 6 0		
5.6	243.74	403	3.67	19527	F 0 7 3 0 2 5 0 _ M _ - _ _ . 2 5 4 A _	89.3	71
5.0	273.36	452	2.99	19381	2 8 0		
4.5	303.78	502	3.42	19302	3 1 5		
4.0	340.69	562	2.99	19596	3 5 5		
2.1	643.35	1052	1.64	18581	F 0 7 4 0 6 3 0 _ M _ - _ _ . 2 5 4 A _	106.3	71
2.0	699.44	1143	1.51	18581	7 1 0		
1.7	820.10	1337	1.29	18581	8 0 0		
1.5	891.60	1452	1.18	18581	9 0 0		
1.4	974.27	1588	1.08	18581	1 0 C		
1.3	1059.22	1724	1.00	18581	1 1 C		
1.1	1241.93	2016	0.85	18581	1 2 C		
3.4	400.96	658	3.57	20998	F 0 8 4 0 4 0 0 _ M _ - _ _ . 2 5 4 A _	149.3	71
3.1	439.55	719	3.27	20998	4 5 0		
2.7	511.23	836	2.81	20998	5 0 0		
2.4	566.66	928	2.53	20998	5 6 0		
2.3	605.02	990	2.37	20998	6 3 0		
1.9	722.49	1179	1.99	20998	7 1 0		
1.8	771.40	1258	1.87	20998	8 0 0		
1.7	808.68	1318	2.12	19052	9 0 0		
1.5	940.55	1530	1.82	19052	1 0 C		
1.3	1031.06	1672	1.67	19052	1 1 C		
1.1	1199.20	1944	1.43	19052	1 2 C		
1.0	1329.24	2161	1.29	19052	1 4 C		
.97	1419.22	2306	1.21	19052	1 6 C		
.81	1684.78	2745	1.02	19052	1 8 C		
.76	1809.50	2930	0.95	19052	2 0 C		
.66	2076.72	3367	0.83	19052	2 2 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.25 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
29	28.82	78	3.59	7496	F 0 4 2 0 2 8 . _ M _ - _ _ . 2 5 6 A _	28.3	71
27	31.33	85	3.56	7498	3 2 .		
24	35.62	96	3.59	7513	3 6 .		
22	38.72	105	3.56	7486	4 0 .		
19	45.14	123	2.62	7515	4 5 .		
17	50.86	138	2.16	7443	5 0 .		
15	55.79	152	2.54	7399	5 6 .		
13	62.86	170	2.16	7315	6 3 .		
13	67.10	182	1.51	7370	7 1 .		
11	76.29	207	1.21	7246	8 0 .		
10	82.94	225	1.51	7186	9 0 .		
9.0	94.29	255	1.21	7275	1 0 0		
13	63.92	172	2.19	7284	F 0 4 3 0 6 3 . _ M _ - _ _ . 2 5 6 A _	31.3	71
12	73.05	197	1.92	7295	7 1 .		
11	79.00	213	1.81	7246	8 0 .		
9.4	90.28	243	1.58	7098	9 0 .		
8.6	98.59	265	1.42	7181	1 0 0		
7.3	115.51	311	1.21	6921	1 1 2		
6.9	121.85	328	1.18	6870	1 2 5		
5.9	142.76	384	1.00	6548	1 4 0		
5.2	161.54	434	0.87	6430	1 6 0		
13	67.58	184	2.89	14900	F 0 8 2 0 7 1 . _ M _ - _ _ . 2 5 6 A _	52.3	71
11	75.79	206	1.84	14900	8 0 .		
10	84.26	229	2.89	14879	9 0 .		
8.9	94.50	256	1.84	14900	1 0 0		
8.1	103.79	281	2.88	14834	F 0 8 3 0 1 0 0 _ M _ - _ _ . 2 5 6 A _	57.3	71
7.5	112.84	305	2.65	14879	1 1 2		
6.5	129.41	350	2.30	14796	1 2 5		
6.0	140.70	380	2.12	14693	1 4 0		
5.2	162.55	439	1.87	14779	1 6 0		
4.6	183.16	495	1.69	14567	1 8 0		
4.2	202.68	546	1.48	14476	2 0 0		
3.7	228.38	615	1.31	14848	2 2 5		
3.5	241.67	652	1.32	14692	2 5 0		
3.1	274.74	741	1.18	14276	2 8 0		
2.8	301.33	811	0.99	14172	3 1 5		
2.5	342.56	919	0.88	14800	3 5 5		
2.4	348.08	925	0.81	14803	F 0 6 4 0 3 6 0 _ M _ - _ _ . 2 5 6 A _	65.3	71
5.2	162.96	439	3.59	19501	F 0 7 3 0 1 8 0 _ M _ - _ _ . 2 5 6 A _	90.3	71
4.7	178.44	481	3.32	19394	1 8 0		
4.2	203.11	546	3.07	19288	2 0 0		
3.8	222.40	597	2.81	19142	2 2 5		
3.5	243.74	655	2.47	19369	2 5 0		
3.1	273.36	733	1.84	19648	2 8 0		
2.8	303.78	815	2.11	19648	3 1 5		
2.5	340.69	912	1.84	19700	3 5 5		
1.3	643.35	1703	1.01	18581	F 0 7 4 0 6 3 0 _ M _ - _ _ . 2 5 6 A _	107.3	71
1.2	699.44	1850	0.93	18581	7 1 0		
2.5	344.74	915	2.57	20998	F 0 8 4 0 3 6 0 _ M _ - _ _ . 2 5 6 A _	150.3	71
2.1	400.96	1064	2.21	20998	4 0 0		
1.9	439.55	1162	2.02	20998	4 5 0		
1.7	511.23	1351	1.74	20998	5 0 0		
1.5	566.66	1501	1.57	20998	5 6 0		
1.4	605.02	1602	1.47	20998	6 3 0		
1.2	722.49	1906	1.23	20998	7 1 0		
1.1	771.40	2034	1.15	20998	8 0 0		
1.0	808.68	2125	1.31	19052	9 0 0		
.90	940.55	2471	1.13	19052	1 0 C		
.82	1031.06	2696	1.03	19052	1 1 C		
.70	1199.20	3136	0.89	19052	1 2 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.37 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
48	28.82	71	3.91	7220	F 0 4 2 0 2 8 . _ M _ - _ _ . 3 7 4 A _	28.0	71
44	31.33	77	3.66	7273	3 2 .		
39	35.82	88	3.91	7287	3 6 .		
36	38.72	95	3.68	7285	4 0 .		
31	45.14	112	2.82	7340	4 5 .		
27	50.86	125	2.38	7348	5 0 .		
25	55.79	138	2.62	7361	5 6 .		
22	62.86	155	2.38	7259	6 3 .		
21	67.10	165	1.61	7392	7 1 .		
18	76.29	188	1.33	7245	8 0 .		
17	82.94	204	1.61	7173	9 0 .		
15	94.29	232	1.33	7263	1 0 0		
22	63.92	156	2.42	7223	F 0 4 3 0 6 3 . _ M _ - _ _ . 3 7 4 A _	31.0	71
19	73.05	178	2.11	7304	7 1 .		
17	79.00	193	2.00	7245	8 0 .		
15	90.28	220	1.75	7070	9 0 .		
14	98.59	240	1.57	7158	1 0 0		
12	115.51	282	1.34	6867	1 1 2		
11	121.85	297	1.30	6815	1 2 5		
10	142.76	348	1.11	6468	1 4 0		
8.5	161.54	392	0.96	6500	1 6 0		
7.7	179.49	436	0.87	6150	1 8 0		
20	67.58	167	3.19	14881	F 0 8 2 0 7 1 . _ M _ - _ _ . 3 7 4 A _	52.0	71
18	75.79	187	2.03	14881	8 0 .		
16	84.26	208	3.19	14881	9 0 .		
15	94.50	232	2.03	14900	1 0 0		
13	103.79	254	3.19	14864	F 0 6 3 0 1 0 0 _ M _ - _ _ . 3 7 4 A _	57.0	71
12	112.84	276	2.93	14874	1 1 2		
11	129.41	317	2.54	14797	1 2 5		
10	140.70	344	2.34	14670	1 4 0		
8.5	162.55	398	2.04	14336	1 6 0		
7.5	183.16	448	1.81	14701	1 8 0		
6.8	202.68	495	1.63	14622	2 0 0		
6.0	228.36	556	1.45	14304	2 2 5		
5.7	241.67	591	1.39	14725	2 5 0		
5.0	274.74	671	1.24	14260	2 8 0		
4.6	301.33	735	1.10	14144	3 1 5		
4.0	342.56	833	0.97	14800	3 5 5		
4.0	348.08	840	0.89	14803	F 0 6 4 0 3 6 0 _ M _ - _ _ . 3 7 4 A _	65.0	71
3.4	404.84	976	0.83	14803	4 0 0		
8.5	162.96	399	3.63	19591	F 0 7 3 0 1 6 0 _ M _ - _ _ . 3 7 4 A _	90.0	71
7.7	178.44	436	3.34	19464	1 8 0		
6.8	203.11	494	3.40	19319	2 0 0		
6.2	222.40	539	3.11	19156	2 2 5		
5.7	243.74	593	2.50	19368	2 5 0		
5.0	273.36	664	2.03	19067	2 8 0		
4.5	303.78	738	2.33	18934	3 1 5		
4.1	340.69	826	2.03	19501	3 5 5		
2.1	643.35	1546	1.11	18581	F 0 7 4 0 6 3 0 _ M _ - _ _ . 3 7 4 A _	107.0	71
2.0	699.44	1679	1.02	18581	7 1 0		
1.7	820.10	1964	0.88	18581	8 0 0		
1.5	891.60	2134	0.81	18581	9 0 0		
4.0	344.74	831	2.63	20998	F 0 8 4 0 3 6 0 _ M _ - _ _ . 3 7 4 A _	150.0	71
3.4	400.96	966	2.43	20998	4 0 0		
3.1	439.55	1057	2.22	20998	4 5 0		
2.7	511.23	1228	1.91	20998	5 0 0		
2.4	566.66	1363	1.72	20998	5 6 0		
2.3	605.02	1455	1.61	20998	6 3 0		
1.9	722.49	1733	1.36	20998	7 1 0		
1.8	771.40	1849	1.27	20998	8 0 0		
1.7	806.68	1934	1.44	19052	9 0 0		
1.5	940.55	2249	1.24	19052	1 0 C		
1.3	1031.06	2456	1.13	19052	1 1 C		
1.2	1199.20	2856	0.98	19052	1 2 C		
1.0	1329.24	3175	0.88	19052	1 4 C		
.97	1419.22	3389	0.82	19052	1 6 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.37 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
181	5.11	18	10.83	4870	F 0 4 2 0 5 . 0 _ M _ - _ _ . 3 7 6 A _	31.8	80
146	6.32	23	9.92	5210	6 . 3		
129	7.17	26	9.35	5410	7 . 1		
117	7.90	29	8.93	5570	8 . 0		
103	8.97	33	8.36	5790	9 . 0		
95	9.77	36	8.10	5950	1 0 .		
81	11.40	42	7.37	6220	1 1 .		
71	12.95	47	6.90	6460	1 2 .		
66	14.09	52	6.64	6630	1 4 .		
58	16.01	59	6.17	6880	1 6 .		
52	17.63	65	5.78	7060	1 8 .		
46	20.03	74	5.08	7320	2 0 .		
42	21.79	80	4.69	7510	2 2 .		
37	24.75	91	4.19	7670	2 5 .		
32	28.82	106	2.66	7335	2 8 .		
30	31.33	115	2.63	7340	3 2 .		
26	35.62	131	2.66	7368	3 6 .		
24	38.72	142	2.63	7317	4 0 .		
20	45.14	166	1.94	7372	4 5 .		
18	50.86	187	1.60	7233	5 0 .		
17	55.79	205	1.88	7150	5 6 .		
15	62.86	231	1.60	6987	6 3 .		
14	67.10	246	1.11	7094	7 1 .		
12	76.29	280	0.90	6856	8 0 .		
11	82.94	305	1.11	6739	9 0 .		
10	94.29	346	0.90	6820	1 0 0		
14	63.92	233	1.62	6927	F 0 4 3 0 6 3 . _ M _ - _ _ . 3 7 6 A _	34.8	80
13	73.05	266	1.42	6949	7 1 .		
12	79.00	288	1.34	6856	8 0 .		
10	90.28	329	1.17	6571	9 0 .		
9.4	98.59	359	1.05	6740	1 0 0		
8.0	115.51	420	0.90	6240	1 1 2		
7.8	121.85	443	0.87	6150	1 2 5		
16	56.34	206	3.75	14881	F 0 6 2 0 5 6 . _ M _ - _ _ . 3 7 6 A _	55.8	80
15	61.69	226	3.46	14845	6 3 .		
14	67.58	249	2.14	14900	7 1 .		
12	75.79	279	1.36	14900	8 0 .		
11	84.26	310	2.14	14860	9 0 .		
10	94.50	347	1.36	14900	1 0 0		
15	63.48	234	3.46	14900	F 0 6 3 0 6 3 . _ M _ - _ _ . 3 7 6 A _	60.8	80
13	72.12	266	3.05	14900	7 1 .		
12	79.15	289	2.79	14900	8 0 .		
10	89.92	329	2.45	14800	9 0 .		
8.9	103.79	380	2.13	14389	1 0 0		
8.2	112.84	413	1.96	14860	1 1 2		
7.1	129.41	473	1.70	14701	1 2 5		
6.6	140.70	514	1.57	14503	1 4 0		
5.7	162.55	594	1.39	14667	1 6 0		
5.1	183.16	669	1.25	14280	1 8 0		
4.6	202.58	738	1.09	14086	2 0 0		
4.1	226.36	831	0.97	14800	2 2 5		
3.8	241.67	882	0.98	14500	2 5 0		
3.4	274.74	1002	0.87	13700	2 8 0		
14	68.02	250	3.72	19700	F 0 7 2 0 7 1 . _ M _ - _ _ . 3 7 6 A _	84.8	80
12	75.58	276	2.76	19700	8 0 .		
11	84.78	310	3.26	19700	9 0 .		
10	94.20	344	2.76	19700	1 0 0		
7.1	130.00	474	3.54	19373	F 0 7 3 0 1 2 5 _ M _ - _ _ . 3 7 6 A _	93.8	80
6.7	138.80	507	3.31	19265	1 4 0		
5.7	162.96	594	2.66	19317	1 6 0		
5.2	178.44	651	2.46	19113	1 8 0		
4.6	203.11	738	2.27	18909	2 0 0		
4.2	222.40	808	2.08	18628	2 2 5		
3.8	243.74	886	1.83	19065	2 5 0		
3.4	273.36	991	1.36	19600	2 8 0		
3.0	303.78	1102	1.56	18600	3 1 5		
2.5	368.51	1319	1.30	18581	F 0 7 4 0 3 6 0 _ M _ - _ _ . 3 7 6 A _	110.8	80
2.4	393.50	1412	1.22	18581	4 0 0		
2.1	447.04	1603	1.07	18581	4 5 0		
1.8	501.60	1794	0.96	18581	5 0 0		
1.6	569.85	2037	0.85	18581	5 6 0		
4.8	202.29	738	3.78	24700	F 0 8 3 0 2 0 0 _ M _ - _ _ . 3 7 6 A _	135.8	80
4.2	222.21	811	3.44	24700	2 2 5		
3.8	242.37	882	3.15	24700	2 5 0		
3.3	279.09	1016	2.73	24700	2 8 0		
3.1	297.37	1082	2.58	24700	3 1 5		
2.7	342.42	1241	2.25	24700	3 5 5		
2.7	344.74	1237	1.90	20998	F 0 8 4 0 3 6 0 _ M _ - _ _ . 3 7 6 A _	153.8	80
2.3	400.96	1438	1.63	20998	4 0 0		
2.1	438.55	1572	1.49	20998	4 5 0		
1.8	511.23	1827	1.29	20998	5 0 0		
1.6	566.66	2029	1.16	20998	5 6 0		
1.5	605.02	2165	1.08	20998	6 3 0		
1.3	722.49	2577	0.91	20998	7 1 0		
1.2	771.40	2750	0.85	20998	8 0 0		
1.1	606.88	2873	0.97	19052	9 0 0		
.98	940.55	3341	0.83	19052	1 0 C		
2.9	315.41	1152	3.67	33100	F 0 9 3 0 3 1 5 _ M _ - _ _ . 3 7 6 A _	195.8	80
2.6	354.67	1289	3.28	33100	3 5 5		
2.6	358.73	1290	3.27	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ . 3 7 6 A _	28.8	80
2.2	412.21	1482	2.85	32924	4 0 0		
2.0	457.90	1638	2.58	32924	4 5 0		
1.8	526.17	1881	2.25	32924	5 0 0		
1.6	590.45	2119	1.99	32924	5 6 0		
1.4	667.58	2394	1.76	32924	6 3 0		
1.2	753.87	2690	1.57	32924	7 1 0		
1.1	852.13	3038	1.39	32924	8 0 0		
1.1	854.97	3034	1.39	32924	9 0 0		
.94	982.44	3486	1.21	32924	1 0 C		
.85	1091.32	3845	1.10	32924	1 1 C		
.74	1254.03	4418	0.96	32924	1 2 C		
.66	1407.23	4993	0.85	32924	1 4 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.55 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
268	5.11	18	9.53	4370	F 0 4 2 0 5 . 0 _ M _ - _ _ . 5 5 4 A _	31.4	80
217	6.32	23	8.74	4550	6 . 3		
191	7.17	26	8.25	4690	7 . 1		
173	7.90	29	7.87	4830	8 . 0		
153	8.97	33	7.37	5020	9 . 0		
140	9.77	36	7.15	5160	1 0 .		
120	11.40	42	6.49	5390	1 1 .		
106	12.96	48	6.08	5590	1 2 .		
97	14.09	52	5.86	5740	1 4 .		
86	16.01	59	5.46	5950	1 6 .		
78	17.63	65	5.10	6090	1 8 .		
68	20.03	74	4.74	6310	2 0 .		
63	21.79	80	4.48	6470	2 2 .		
55	24.75	91	4.00	6700	2 5 .		
48	28.62	107	2.61	6940	2 8 .		
44	31.33	116	2.46	6987	3 2 .		
38	35.62	132	2.61	7012	3 6 .		
35	38.72	143	2.46	7009	4 0 .		
30	45.14	167	1.75	7103	4 5 .		
27	50.86	187	1.59	7117	5 0 .		
25	55.79	207	1.75	7139	5 6 .		
22	62.86	232	1.59	6963	6 3 .		
20	67.10	247	1.07	7192	7 1 .		
18	76.29	281	0.89	6939	8 0 .		
17	82.94	305	1.07	6816	9 0 .		
15	94.29	347	0.89	6970	1 0 0		
21	63.92	234	1.61	6902	F 0 4 3 0 6 3 . _ M _ - _ _ . 5 5 4 A _	34.4	80
19	73.05	267	1.41	7042	7 1 .		
17	79.00	289	1.33	6939	8 0 .		
15	90.28	330	1.17	6639	9 0 .		
14	98.59	360	1.05	6790	1 0 0		
12	115.51	422	0.90	6290	1 1 2		
11	121.85	445	0.87	6200	1 2 5		
24	56.34	209	3.42	14481	F 0 6 2 0 5 6 . _ M _ - _ _ . 5 5 4 A _	55.4	80
22	61.89	229	3.16	14713	6 3 .		
20	67.58	251	2.13	14866	7 1 .		
18	75.79	280	1.36	14868	8 0 .		
16	84.26	312	2.13	14868	9 0 .		
14	94.50	348	1.36	14900	1 0 0		
22	63.48	233	3.47	14900	F 0 6 3 0 6 3 . _ M _ - _ _ . 5 5 4 A _	60.4	80
19	72.12	266	3.04	14900	7 1 .		
17	79.15	291	2.77	14900	8 0 .		
15	89.92	330	2.44	14900	9 0 .		
13	103.79	380	2.13	14494	1 0 0		
12	112.84	414	1.96	14856	1 1 2		
11	129.41	474	1.70	14724	1 2 5		
10	140.70	516	1.56	14505	1 4 0		
8.4	162.55	596	1.36	13934	1 6 0		
7.5	183.16	671	1.21	14558	1 8 0		
6.8	202.88	741	1.09	14422	2 0 0		
6.0	228.38	833	0.97	13876	2 2 5		
5.7	241.67	886	0.93	14600	2 5 0		
5.0	274.74	1005	0.83	13800	2 8 0		
20	68.02	250	3.71	19700	F 0 7 2 0 7 1 . _ M _ - _ _ . 5 5 4 A _	84.4	80
18	75.58	279	2.73	19700	8 0 .		
16	84.78	313	2.95	19700	9 0 .		
15	94.20	347	2.66	19700	1 0 0		
11	130.00	474	3.54	19389	F 0 7 3 0 1 2 5 _ M _ - _ _ . 5 5 4 A _	93.4	80
10	136.80	506	3.32	19265	1 4 0		
8.4	162.96	598	2.42	19513	1 6 0		
7.7	178.44	653	2.23	19294	1 8 0		
6.7	203.11	740	2.27	19045	2 0 0		
6.2	222.40	808	2.08	18765	2 2 5		
5.6	243.74	888	1.67	19129	2 5 0		
5.0	273.36	994	1.36	18646	2 8 0		
4.5	303.78	1106	1.55	18383	3 1 5		
3.7	368.51	1326	1.30	18581	F 0 7 4 0 3 6 0 _ M _ - _ _ . 5 5 4 A _	110.4	80
3.5	393.50	1419	1.21	18581	4 0 0		
3.1	447.04	1612	1.07	18581	4 5 0		
2.7	501.60	1804	0.95	18581	5 0 0		
2.4	569.85	2048	0.84	18581	5 6 0		
6.8	202.29	738	3.78	24700	F 0 8 3 0 2 0 0 _ M _ - _ _ . 5 5 4 A _	135.4	80
6.2	222.21	812	3.44	24700	2 2 5		
5.7	242.37	884	3.14	24700	2 5 0		
4.9	279.09	1017	2.73	24700	2 8 0		
4.6	297.37	1082	2.58	24700	3 1 5		
4.0	342.42	1249	2.23	24700	3 5 5		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.55 kW

	N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	4.0	344.74	1245	1.89	20998	F 0 8 4 0 3 6 0 _ M _ - _ _ . 5 5 4 A _	153.4	80
	3.4	400.96	1447	1.62	20998	4 0 0		
	3.1	439.55	1582	1.48	20998	4 5 0		
	2.7	511.23	1839	1.28	20998	5 0 0		
	2.4	566.66	2042	1.15	20998	5 6 0		
	2.3	605.02	2179	1.08	20998	6 3 0		
	1.9	722.49	2595	0.91	20998	7 1 0		
	1.8	771.40	2769	0.85	20998	8 0 0		
	1.7	808.68	2896	0.96	19052	9 0 0		
	1.5	940.55	3367	0.83	19052	1 0 C		
	4.3	315.41	1150	3.68	33100	F 0 9 3 0 3 1 5 _ M _ - _ _ . 5 5 4 A _	195.4	80
	3.9	354.67	1295	3.26	33100	3 5 5		
	3.8	358.73	1299	3.25	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ . 5 5 4 A _	226.4	80
	3.3	412.21	1492	2.83	32924	4 0 0		
	3.0	457.90	1650	2.56	32924	4 5 0		
	2.6	528.17	1894	2.23	32924	5 0 0		
	2.3	590.45	2133	1.98	32924	5 6 0		
	2.1	667.58	2409	1.75	32924	6 3 0		
	1.8	753.67	2709	1.56	32924	7 1 0		
	1.6	852.13	3060	1.38	32924	8 0 0		
	1.6	854.97	3062	1.38	32924	9 0 0		
	1.4	982.44	3517	1.20	32924	1 0 C		
	1.3	1091.32	3884	1.09	32924	1 1 C		
	1.1	1254.03	4463	0.95	32924	1 2 C		
	.97	1407.23	5035	0.84	32924	1 4 C		
	2.4	577.03	2068	3.47	43248	F 1 0 4 0 5 6 0 _ M _ - _ _ . 5 5 4 A _	349.4	80a
	2.1	651.34	2356	3.08	43248	6 3 0		
	1.9	716.06	2584	2.81	43248	7 1 0		
	1.7	808.27	2915	2.49	43248	8 0 0		
	.96	1424.92	5098	1.42	43248	1 4 C		
	.85	1608.41	5753	1.26	43248	1 6 C		
	.77	1768.23	6303	1.15	43248	1 8 C		
	.69	1995.94	7113	1.02	43248	2 0 C		
	.60	2273.80	8120	0.89	43248	2 2 C		
	.55	2497.66	8915	0.81	43248	2 5 C		
6 POLE	181	5.11	28	7.29	4795	F 0 4 2 0 5 . 0 _ M _ - _ _ . 5 5 6 A _	33.3	80b
	146	6.32	34	6.67	5119	6 . 3		
	129	7.17	39	6.29	5303	7 . 1		
	117	7.90	43	6.01	5453	8 . 0		
	103	8.97	49	5.62	5657	9 . 0		
	95	9.77	53	5.45	5809	1 0 .		
	81	11.40	62	4.96	6051	1 1 .		
	71	12.95	71	4.64	6269	1 2 .		
	66	14.09	77	4.47	6428	1 4 .		
	58	16.01	88	4.15	6650	1 6 .		
	52	17.63	97	3.89	6800	1 8 .		
	46	20.03	110	3.42	7024	2 0 .		
	42	21.79	120	3.15	7197	2 2 .		
	37	24.75	136	2.82	7332	2 5 .		
	32	28.82	157	1.79	7095	2 8 .		
	30	31.33	171	1.77	7103	3 2 .		
	26	35.62	194	1.79	7152	3 6 .		
	24	38.72	211	1.77	7064	4 0 .		
	20	45.14	247	1.31	7158	4 5 .		
	18	50.86	278	1.07	6919	5 0 .		
	17	55.79	305	1.26	6775	5 6 .		
	15	62.86	343	1.07	6496	6 3 .		
	14	63.92	347	1.09	6393	F 0 4 3 0 6 3 . _ M _ - _ _ . 5 5 6 A _	36.3	80
	13	73.05	396	0.95	6430	7 1 .		
	12	79.00	428	0.90	6270	8 0 .		
	24	38.50	212	3.78	14693	F 0 6 2 0 4 0 . _ M _ - _ _ . 5 5 8 A _	57.3	80
	20	45.18	248	3.26	14651	4 5 .		
	19	49.47	272	2.98	14868	5 0 .		
	16	56.34	310	2.52	14868	5 6 .		
	15	61.69	339	2.33	14806	6 3 .		
	14	67.58	371	1.44	14900	7 1 .		
	12	75.79	415	0.92	14900	8 0 .		
	11	84.26	461	1.44	14831	9 0 .		
	15	63.48	348	2.33	14772	F 0 6 3 0 6 3 . _ M _ - _ _ . 5 5 6 A _	62.3	80
	13	72.12	395	2.05	14875	7 1 .		
	12	79.15	429	1.87	14875	8 0 .		
	10	89.92	489	1.65	14727	9 0 .		
	8.9	103.79	565	1.43	14022	1 0 0		
	8.2	112.84	614	1.32	14831	1 1 2		
	7.1	129.41	703	1.15	14558	1 2 5		
	6.6	140.70	765	1.05	14217	1 4 0		
	5.7	162.55	883	0.93	14500	1 6 0		
	5.1	183.16	995	0.84	13800	1 8 0		
	14	66.02	371	2.51	19684	F 0 7 2 0 7 1 . _ M _ - _ _ . 5 5 6 A _	86.3	80
	12	75.58	411	1.86	19684	8 0 .		
	11	84.78	461	2.19	19684	9 0 .		
	10	94.20	511	1.86	19684	1 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.55 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
12	79.09	430	3.91	19117	F 0 7 3 0 8 0 . _ M _ - _ _ . 5 5 6 A _	95.3	80
10	91.89	499	3.36	19245	9 0 .		
8.9	104.31	567	2.93	18873	1 0 0		
8.3	111.37	607	2.73	19419	1 1 2		
7.1	130.00	705	2.38	19139	1 2 5		
6.7	138.80	755	2.22	18952	1 4 0		
5.7	162.96	884	1.79	19041	1 6 0		
5.2	178.44	968	1.65	18690	1 8 0		
4.6	203.11	1098	1.53	18339	2 0 0		
2.5	368.51	1960	0.88	18581	F 0 7 4 0 3 6 0 _ M _ - _ _ . 5 5 6 A _	112.3	80
2.4	393.50	2099	0.82	18581	4 0 0		
6.5	143.09	776	3.59	24060	F 0 8 3 0 1 4 0 _ M _ - _ _ . 5 5 6 A _	137.3	80
5.8	164.88	896	3.10	23785	1 6 0		
5.1	181.11	985	2.62	23871	1 8 0		
4.6	202.29	1098	2.54	23744	2 0 0		
4.2	222.21	1206	2.31	23537	2 2 5		
3.8	242.37	1311	2.12	23218	2 5 0		
3.3	279.09	1511	1.84	23047	2 8 0		
3.1	297.37	1606	1.73	22973	3 1 5		
2.7	342.42	1845	1.51	22456	3 5 5		
2.7	344.74	1839	1.28	20998	F 0 8 4 0 3 6 0 _ M _ - _ _ . 5 5 6 A _	155.3	80
2.3	400.96	2138	1.10	20998	4 0 0		
2.1	439.55	2336	1.01	20998	4 5 0		
1.8	511.23	2716	0.87	20998	5 0 0		
4.5	207.69	1128	3.75	33080	F 0 9 3 0 2 0 0 _ M _ - _ _ . 5 5 6 A _	197.3	80
4.0	229.26	1244	3.40	33080	2 2 5		
3.8	244.23	1322	3.26	33070	2 5 0		
3.4	274.83	1491	2.89	33084	2 8 0		
2.9	315.41	1712	2.47	33068	3 1 5		
2.6	354.67	1916	2.21	33052	3 5 5		
2.6	358.73	1918	2.20	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ . 5 5 6 A _	228.3	80
2.2	412.21	2203	1.92	32924	4 0 0		
2.0	457.90	2435	1.73	32924	4 5 0		
1.8	526.17	2797	1.51	32924	5 0 0		
1.6	590.45	3151	1.34	32924	5 6 0		
1.4	667.56	3559	1.19	32924	6 3 0		
1.2	753.57	3999	1.06	32924	7 1 0		
1.1	852.13	4517	0.94	32924	8 0 0		
1.1	854.97	4510	0.94	32924	9 0 0		
.94	982.44	5183	0.82	32924	1 0 C		
2.7	343.57	1855	3.91	43470	F 1 0 3 0 3 5 5 _ M _ - _ _ . 5 5 6 A _	291.3	80
1.6	577.03	3084	2.35	43248	F 1 0 4 0 5 6 0 _ M _ - _ _ . 5 5 6 A _	351.3	80
1.4	651.34	3478	2.08	43248	6 3 0		
1.3	716.06	3814	1.90	43248	7 1 0		
1.1	806.27	4302	1.69	43248	8 0 0		
.65	1424.92	7509	0.97	43248	1 4 C		
.58	1606.41	8476	0.86	43248	1 6 C		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.75 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
271	5.11	25	7.07	4314	F 0 4 2 0 5 . 0 _ M _ - _ _ . 7 5 4 A _	32.5	80
219	6.32	31	6.48	4483	6 . 3		
193	7.17	35	6.11	4612	7 . 1		
175	7.90	39	5.83	4744	8 . 0		
154	8.97	45	5.46	4922	9 . 0		
142	9.77	49	5.30	5056	1 0 .		
122	11.40	57	4.81	5265	1 1 .		
107	12.95	64	4.51	5449	1 2 .		
98	14.09	70	4.34	5591	1 4 .		
87	16.01	80	4.05	5780	1 6 .		
79	17.63	88	3.78	5899	1 8 .		
69	20.03	100	3.52	6092	2 0 .		
64	21.79	109	3.32	6240	2 2 .		
56	24.75	124	2.97	6438	2 5 .		
48	28.82	144	1.94	6628	2 8 .		
44	31.33	156	1.82	6670	3 2 .		
39	35.62	178	1.94	6706	3 6 .		
36	38.72	193	1.82	6702	4 0 .		
31	45.14	226	1.30	6840	4 5 .		
27	50.86	253	1.18	6860	5 0 .		
25	55.79	279	1.30	6892	5 6 .		
22	62.86	313	1.18	6635	6 3 .		
22	63.92	316	1.20	6545	F 0 4 3 0 6 3 . _ M _ - _ _ . 7 5 4 A _	35.5	80
19	73.05	361	1.05	6750	7 1 .		
18	79.00	390	0.99	6800	8 0 .		
15	90.28	445	0.87	6160	9 0 .		
31	45.18	227	3.57	14221	F 0 6 2 0 4 5 . _ M _ - _ _ . 7 5 4 A _	58.5	80
28	49.47	248	3.26	14221	5 0 .		
25	56.34	282	2.53	14287	5 6 .		
22	61.69	308	2.34	14627	6 3 .		
20	67.58	338	1.58	14854	7 1 .		
18	75.79	377	1.01	14854	8 0 .		
16	84.26	421	1.58	14854	9 0 .		
15	94.50	470	1.01	14900	1 0 0		
22	63.48	315	2.57	14764	F 0 6 3 0 6 3 . _ M _ - _ _ . 7 5 4 A _	61.5	80
19	72.12	359	2.25	14730	7 1 .		
17	79.15	393	2.05	14878	8 0 .		
15	89.92	445	1.81	14878	9 0 .		
13	103.79	513	1.58	14306	1 0 0		
12	112.84	558	1.45	14835	1 1 2		
11	129.41	640	1.26	14642	1 2 5		
10	140.70	696	1.16	14321	1 4 0		
8.5	162.55	804	1.01	13485	1 6 0		
7.6	183.16	905	0.90	14400	1 8 0		
6.8	202.68	999	0.81	14200	2 0 0		
20	68.02	338	2.76	19687	F 0 7 2 0 7 1 . _ M _ - _ _ . 7 5 4 A _	85.5	80
18	75.58	376	2.02	19687	8 0 .		
16	84.78	422	2.19	19687	9 0 .		
15	94.20	468	1.97	19667	1 0 0		
19	73.81	367	3.95	19147	F 0 7 3 0 7 1 . _ M _ - _ _ . 7 5 4 A _	94.5	80
15	91.99	454	3.89	19018	9 0 .		
13	104.31	516	3.16	19065	1 0 0		
12	111.37	552	3.01	19518	1 1 2		
11	130.00	640	2.62	19245	1 2 5		
10	138.80	683	2.46	19063	1 4 0		
8.5	162.98	807	1.80	19428	1 6 0		
7.8	178.44	881	1.66	19106	1 8 0		
6.8	203.11	999	1.68	18741	2 0 0		
6.2	222.40	1090	1.54	18330	2 2 5		
5.7	243.74	1196	1.24	18864	2 5 0		
5.1	273.36	1341	1.01	18157	2 8 0		
4.6	303.78	1492	1.15	17771	3 1 5		
4.1	340.69	1669	1.01	19200	3 5 5		
3.8	368.51	1789	0.96	18581	F 0 7 4 0 3 6 0 _ M _ - _ _ . 7 5 4 A _	111.5	80
3.5	393.50	1915	0.90	18581	4 0 0		
10	143.09	704	3.96	24166	F 0 8 3 0 1 4 0 _ M _ - _ _ . 7 5 4 A _	136.5	80
8.4	164.88	814	3.41	24071	1 6 0		
7.6	181.11	894	3.11	23957	1 8 0		
6.8	202.29	995	2.80	24021	2 0 0		
6.2	222.21	1095	2.55	23863	2 2 5		
5.7	242.37	1192	2.33	23633	2 5 0		
5.0	279.09	1372	2.02	23563	2 8 0		
4.7	297.37	1460	1.91	23500	3 1 5		
4.0	342.42	1685	1.66	23121	3 5 5		
4.0	344.74	1679	1.40	20998	F 0 8 4 0 3 6 0 _ M _ - _ _ . 7 5 4 A _	154.5	80
3.5	400.95	1952	1.20	20998	4 0 0		
3.2	439.55	2135	1.10	20998	4 5 0		
2.7	511.23	2481	0.95	20998	5 0 0		
2.4	566.66	2754	0.85	20998	5 6 0		
6.0	229.28	1133	3.73	33083	F 0 9 3 0 2 2 5 _ M _ - _ _ . 7 5 4 A _	196.5	80
5.7	244.23	1204	3.58	33083	2 5 0		
5.0	274.83	1353	3.18	33075	2 8 0		
4.4	315.41	1552	2.73	33075	3 1 5		
3.9	354.67	1748	2.42	33075	3 5 5		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.75 kW

	N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	3.9	358.73	1752	2.41	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ . 7 5 4 A _	227.5	80
	3.4	412.21	2012	2.10	32924	4 0 0		
	3.0	457.90	2225	1.90	32924	4 5 0		
	2.6	526.17	2555	1.65	32924	5 0 0		
	2.3	590.45	2877	1.47	32924	5 6 0		
	2.1	667.58	3250	1.30	32924	6 3 0		
	1.8	753.67	3654	1.16	32924	7 1 0		
	1.6	852.13	4128	1.02	32924	8 0 0		
	1.6	854.97	4130	1.02	32924	9 0 0		
	1.4	962.44	4745	0.89	32924	1 0 C		
	1.3	1091.32	5240	0.81	32924	1 1 C		
	2.4	577.03	2816	2.58	43248	F 1 0 4 0 5 6 0 _ M _ - _ _ . 7 5 4 A _	350.5	80
	2.1	651.34	3177	2.28	43248	6 3 0		
	1.9	718.06	3486	2.08	43248	7 1 0		
	1.7	808.27	3932	1.84	43248	8 0 0		
	.97	1424.92	6876	1.05	43248	1 4 C		
	.86	1608.41	7760	0.93	43248	1 6 C		
	.78	1768.23	8502	0.85	43248	1 8 C		
6 POLE	178	5.11	38	5.26	4712	F 0 4 2 0 5 . 0 _ M _ - _ _ . 7 5 6 A _	36.4	90S
	144	6.32	48	4.82	5018	6 . 3		
	127	7.17	54	4.54	5185	7 . 1		
	115	7.90	60	4.34	5324	8 . 0		
	101	8.97	68	4.06	5509	9 . 0		
	93	9.77	74	3.93	5653	1 0 .		
	80	11.40	87	3.58	5864	1 1 .		
	70	12.95	96	3.35	6057	1 2 .		
	65	14.09	107	3.22	6204	1 4 .		
	57	16.01	122	3.00	6396	1 6 .		
	52	17.63	134	2.81	6511	1 8 .		
	45	20.03	153	2.46	6697	2 0 .		
	42	21.79	166	2.27	6849	2 2 .		
	37	24.75	188	2.03	6957	2 5 .		
	32	28.82	218	1.29	6827	2 8 .		
	29	31.33	237	1.28	6840	3 2 .		
	26	35.62	269	1.29	6911	3 6 .		
	23	38.72	293	1.28	6782	4 0 .		
	20	45.14	343	0.94	6920	4 5 .		
	18	55.79	423	0.91	6360	5 6 .		
	31	28.92	221	3.60	14200	F 0 6 2 0 2 8 . _ M _ - _ _ . 7 5 6 A _	61.4	90S
	29	30.88	236	3.43	14200	3 2 .		
	25	36.06	275	2.92	14566	3 6 .		
	24	38.50	294	2.73	14597	4 0 .		
	20	45.18	344	2.35	14536	4 5 .		
	18	49.47	377	2.15	14854	5 0 .		
	16	56.34	430	1.82	14864	5 6 .		
	15	61.69	471	1.68	14783	6 3 .		
	13	67.58	514	1.04	14900	7 1 .		
	11	84.26	640	1.04	14800	9 0 .		
	14	63.46	482	1.68	14630	F 0 6 3 0 6 3 . _ M _ - _ _ . 7 5 6 A _	66.4	90S
	13	72.12	548	1.48	14847	7 1 .		
	11	79.15	595	1.35	14847	8 0 .		
	10	89.92	679	1.19	14535	9 0 .		
	8.8	103.79	784	1.03	13614	1 0 0		
	8.1	112.84	852	0.95	14800	1 1 2		
	7.0	129.41	975	0.83	14400	1 2 5		
	15	61.40	466	3.69	19497	F 0 7 2 0 6 3 . _ M _ - _ _ . 7 5 6 A _	89.4	90S
	13	68.02	515	1.81	19666	7 1 .		
	12	75.58	570	1.34	19666	8 0 .		
	11	84.78	639	1.58	19666	9 0 .		
	10	94.20	709	1.34	19666	1 0 0		
	14	63.46	479	3.15	19240	F 0 7 3 0 6 3 . _ M _ - _ _ . 7 5 6 A _	99.4	90S
	12	73.81	557	2.91	18912	7 1 .		
	12	79.09	596	2.82	18846	8 0 .		
	10	91.99	692	2.43	19033	9 0 .		
	8.7	104.31	786	2.11	18488	1 0 0		
	8.2	111.37	841	1.97	19269	1 1 2		
	7.0	130.00	977	1.72	18878	1 2 5		
	6.6	138.80	1046	1.61	18604	1 4 0		
	5.8	162.96	1225	1.29	18735	1 6 0		
	5.1	178.44	1342	1.19	18221	1 8 0		
	4.5	203.11	1522	1.10	17707	2 0 0		
	4.1	222.40	1665	1.01	17000	2 2 5		
	3.7	243.74	1825	0.89	18100	2 5 0		
	12	77.20	585	3.26	24179	F 0 8 2 0 8 0 . _ M _ - _ _ . 7 5 6 A _	135.4	90S
	10	94.71	717	3.26	23934	1 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

0.75 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
8.8	103.32	779	3.56	23688	F 0 8 3 0 1 0 0 _ M _ - _ _ . 7 5 6 A _	140.4	90S
7.8	116.63	879	3.16	23442	1 1 2		
7.2	126.77	951	2.93	23356	1 2 5		
6.4	143.09	1078	2.59	23350	1 4 0		
5.5	164.88	1242	2.24	22768	1 6 0		
5.0	181.11	1366	2.03	22951	1 8 0		
4.5	202.29	1522	1.83	22682	2 0 0		
4.1	222.21	1672	1.67	22245	2 2 5		
3.8	242.37	1817	1.53	21572	2 5 0		
3.3	279.09	2094	1.33	21212	2 8 0		
3.1	297.37	2229	1.25	21056	3 1 5		
2.7	342.42	2557	1.09	19963	3 5 5		
2.6	344.74	2550	0.92	20998	F 0 8 4 0 3 6 0 _ M _ - _ _ . 7 5 6 A _	158.4	90S
6.2	147.03	1106	3.82	33079	F 0 9 3 0 1 4 0 _ M _ - _ _ . 7 5 6 A _	200.4	90S
5.7	160.82	1213	3.55	33079	1 6 0		
5.1	177.54	1337	3.22	33079	1 8 0		
4.4	207.69	1563	2.70	33058	2 0 0		
4.0	229.28	1725	2.45	33058	2 2 5		
3.7	244.23	1833	2.35	33037	2 5 0		
3.3	274.63	2066	2.09	33066	2 8 0		
2.9	315.41	2373	1.78	33032	3 1 5		
2.6	354.67	2656	1.59	32999	3 5 5		
2.5	358.73	2659	1.59	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ . 7 5 6 A _	231.4	90S
2.2	412.21	3054	1.38	32924	4 0 0		
2.0	457.90	3376	1.25	32924	4 5 0		
1.7	526.17	3877	1.09	32924	5 0 0		
1.5	590.45	4367	0.97	32924	5 6 0		
1.4	667.58	4933	0.86	32924	6 3 0		
3.6	253.88	1910	3.35	43456	F 1 0 3 0 2 5 0 _ M _ - _ _ . 7 5 6 A _	294.4	90S
3.3	272.75	2050	3.12	43456	2 8 0		
2.8	319.79	2400	3.02	43442	3 1 5		
2.6	343.57	2572	2.82	43437	3 5 5		
1.6	577.03	4275	1.70	43248	F 1 0 4 0 5 6 0 _ M _ - _ _ . 7 5 6 A _	354.4	90S
1.4	651.34	4822	1.50	43248	6 3 0		
1.3	716.06	5287	1.37	43248	7 1 0		
1.1	806.27	5964	1.22	43248	8 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

1.1 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
270	5.11	37	4.80	4218	F 0 4 2 0 5 . 0 _ M _ - _ _ 1 . 1 4 A _	35.8	90S
218	6.32	46	4.40	4366	6 . 3		
192	7.17	52	4.15	4476	7 . 1		
175	7.90	58	3.96	4594	8 . 0		
154	8.97	66	3.71	4752	9 . 0		
141	9.77	72	3.60	4876	1 0 .		
121	11.40	84	3.27	5048	1 1 .		
107	12.96	95	3.06	5202	1 2 .		
98	14.09	104	2.95	5330	1 4 .		
86	16.01	118	2.75	5484	1 6 .		
78	17.63	130	2.57	5565	1 8 .		
69	20.03	147	2.39	5712	2 0 .		
63	21.79	160	2.26	5839	2 2 .		
56	24.75	182	2.02	5981	2 5 .		
48	28.82	212	1.32	6083	2 8 .		
44	31.33	230	1.24	6114	3 2 .		
39	35.62	263	1.32	6171	3 6 .		
36	38.72	284	1.24	6164	4 0 .		
31	45.14	333	0.88	6380	4 5 .		
25	55.79	411	0.88	6460	5 6 .		
22	63.92	465	0.81	5920	F 0 4 3 0 6 3 . _ M _ - _ _ 1 . 1 4 A _	38.8	90S
48	28.92	214	3.72	13706	F 0 6 2 0 2 8 . _ M _ - _ _ 1 . 1 4 A _	60.8	90S
45	30.88	228	3.54	13712	3 2 .		
38	36.06	266	3.02	13786	3 6 .		
36	38.50	284	2.83	13786	4 0 .		
31	45.18	334	2.42	13845	4 5 .		
28	49.47	366	2.21	13845	5 0 .		
24	56.34	415	1.72	13947	5 6 .		
22	61.69	454	1.59	14475	6 3 .		
20	67.58	498	1.07	14828	7 1 .		
16	84.26	619	1.07	14828	9 0 .		
22	63.48	464	1.75	14500	F 0 6 3 0 6 3 . _ M _ - _ _ 1 . 1 4 A _	65.8	90S
19	72.12	529	1.53	14433	7 1 .		
17	79.15	578	1.39	14842	8 0 .		
15	89.92	656	1.23	14842	9 0 .		
13	103.79	755	1.07	13976	1 0 0		
12	112.84	822	0.99	14800	1 1 2		
11	129.41	942	0.85	14500	1 2 5		
22	61.40	450	3.82	19044	F 0 7 2 0 6 3 . _ M _ - _ _ 1 . 1 4 A _	88.8	90S
20	68.02	498	1.87	19666	7 1 .		
18	75.58	554	1.38	19666	8 0 .		
16	84.78	622	1.49	19666	9 0 .		
15	94.20	689	1.34	19666	1 0 0		
22	63.46	462	2.96	18866	F 0 7 3 0 6 3 . _ M _ - _ _ 1 . 1 4 A _	98.8	90S
19	73.81	540	2.68	18841	7 1 .		
17	79.09	578	2.92	18942	8 0 .		
15	91.99	669	2.51	18639	9 0 .		
13	104.31	759	2.15	18713	1 0 0		
12	111.37	812	2.04	19417	1 1 2		
11	130.00	942	1.78	18993	1 2 5		
10	138.80	1006	1.67	18710	1 4 0		
8.5	162.96	1188	1.22	19273	1 6 0		
7.7	178.44	1298	1.12	18776	1 8 0		
6.8	203.11	1471	1.14	18206	2 0 0		
6.2	222.40	1604	1.05	17569	2 2 5		
5.7	243.74	1763	0.84	18400	2 5 0		
18	77.20	565	3.20	24000	F 0 8 2 0 8 0 . _ M _ - _ _ 1 . 1 4 A _	134.8	90S
15	94.71	693	3.20	23822	1 0 0		
13	103.32	752	3.69	23600	F 0 8 3 0 1 0 0 _ M _ - _ _ 1 . 1 4 A _	139.8	90S
12	116.63	850	3.27	23600	1 1 2		
11	126.77	921	3.03	23520	1 2 5		
10	143.09	1036	2.69	23233	1 4 0		
8.4	164.88	1198	2.32	22971	1 6 0		
7.8	181.11	1316	2.11	22857	1 8 0		
6.8	202.29	1465	1.90	22833	2 0 0		
6.2	222.21	1612	1.73	22400	2 2 5		
5.7	242.37	1755	1.58	21766	2 5 0		
4.9	279.09	2020	1.38	21573	2 8 0		
4.6	297.37	2149	1.30	21400	3 1 5		
4.0	342.42	2480	1.12	20357	3 5 5		
4.0	344.74	2472	0.95	20998	F 0 8 4 0 3 6 0 _ M _ - _ _ 1 . 1 4 A _	157.8	90S
3.4	400.96	2874	0.82	20998	4 0 0		
9.4	147.03	1067	3.95	33084	F 0 9 3 0 1 4 0 _ M _ - _ _ 1 . 1 4 A _	199.8	90S
8.6	160.82	1169	3.69	33084	1 6 0		
7.8	177.54	1293	3.33	33068	1 8 0		
6.8	207.89	1508	2.80	33052	2 0 0		
6.0	229.28	1668	2.54	33055	2 2 5		
5.7	244.23	1772	2.43	33055	2 5 0		
5.0	274.63	1992	2.16	33032	2 8 0		
4.4	315.41	2284	1.85	33033	3 1 5		
3.9	354.67	2573	1.64	33033	3 5 5		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

1.1 kW

	N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	3.8	358.73	2579	1.64	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ 1 . 1 4 A _	230.8	90S
	3.3	412.21	2962	1.43	32924	4 0 0		
	3.0	457.90	3276	1.29	32924	4 5 0		
	2.6	526.17	3762	1.12	32924	5 0 0		
	2.3	590.45	4235	1.00	32924	5 6 0		
	2.1	667.58	4784	0.86	32924	6 3 0		
	5.4	253.86	1849	3.46	43468	F 1 0 3 0 2 5 0 _ M _ - _ _ 1 . 1 4 A _	293.8	90S
	5.1	272.75	1983	3.23	43452	2 8 0		
	4.3	319.79	2321	3.12	43436	3 1 5		
	4.0	343.57	2486	2.92	43436	3 5 5		
	2.4	577.03	4146	1.75	43248	F 1 0 4 0 5 6 0 _ M _ - _ _ 1 . 1 4 A _	353.8	90S
	2.1	651.34	4677	1.55	43248	6 3 0		
	1.9	716.06	5131	1.41	43248	7 1 0		
	1.7	808.27	5788	1.25	43248	8 0 0		
6 POLE	180	5.11	56	3.62	4566	F 0 4 2 0 5 . 0 _ M _ - _ _ 1 . 1 6 A _	40.5	90L
	146	6.32	70	3.32	4843	6 . 3		
	128	7.17	79	3.13	4979	7 . 1		
	116	7.90	87	2.99	5099	8 . 0		
	103	8.97	99	2.80	5251	9 . 0		
	94	9.77	108	2.71	5379	1 0 .		
	81	11.40	126	2.47	5537	1 1 .		
	71	12.95	143	2.31	5686	1 2 .		
	65	14.09	156	2.22	5812	1 4 .		
	57	16.01	177	2.06	5950	1 6 .		
	52	17.63	195	1.93	6006	1 8 .		
	46	20.03	222	1.70	6123	2 0 .		
	42	21.79	241	1.57	6241	2 2 .		
	37	24.75	273	1.40	6300	2 5 .		
	32	28.82	317	0.89	6360	2 8 .		
	29	31.33	344	0.88	6380	3 2 .		
	26	35.62	391	0.89	6490	3 6 .		
	24	38.72	426	0.88	6290	4 0 .		
	52	17.59	195	3.07	13388	F 0 6 2 0 1 8 . _ M _ - _ _ 1 . 1 6 A _	65.5	90L
	45	20.46	227	2.89	13712	2 0 .		
	42	21.94	243	3.07	13788	2 2 .		
	36	25.51	283	2.84	13786	2 5 .		
	32	28.92	321	2.48	13811	2 8 .		
	30	30.88	343	2.36	13811	3 2 .		
	26	36.06	400	2.01	14381	3 6 .		
	24	38.50	427	1.88	14428	4 0 .		
	20	45.18	500	1.62	14334	4 5 .		
	19	49.47	547	1.48	14828	5 0 .		
	16	56.34	624	1.25	14828	5 6 .		
	15	61.69	683	1.16	14686	6 3 .		
	14	63.48	699	1.16	14383	F 0 6 3 0 6 3 . _ M _ - _ _ 1 . 1 6 A _	70.5	90L
	13	72.12	795	1.02	14800	7 1 .		
	12	79.15	864	0.93	14800	8 0 .		
	10	89.92	985	0.82	14200	9 0 .		
	23	40.55	448	3.83	18860	F 0 7 2 0 4 0 . _ M _ - _ _ 1 . 1 6 A _	93.5	90L
	20	44.99	497	3.34	19394	4 5 .		
	19	49.27	542	2.89	19450	5 0 .		
	16	56.07	618	2.78	19533	5 6 .		
	15	61.40	676	2.54	19311	6 3 .		
	14	68.02	747	1.25	19635	7 1 .		
	12	75.58	827	0.92	19635	8 0 .		
	11	84.78	927	1.09	19635	9 0 .		
	10	94.20	1028	0.92	19635	1 0 0		
	14	63.46	696	2.17	18985	F 0 7 3 0 6 3 . _ M _ - _ _ 1 . 1 6 A _	103.5	90L
	12	73.81	808	2.00	18475	7 1 .		
	12	79.09	864	1.94	18372	8 0 .		
	10	91.99	1004	1.67	18663	9 0 .		
	8.8	104.31	1140	1.45	17815	1 0 0		
	8.3	111.37	1221	1.36	19060	1 1 2		
	7.1	130.00	1417	1.18	18421	1 2 5		
	6.6	138.80	1518	1.11	17995	1 4 0		
	5.6	162.96	1778	0.89	18200	1 6 0		
	5.2	178.44	1947	0.82	17400	1 8 0		
	18	50.09	563	3.63	23803	F 0 8 2 0 5 0 . _ M _ - _ _ 1 . 1 6 A _	139.5	90L
	15	61.46	677	3.63	23604	8 3 .		
	14	67.04	739	3.26	23654	7 1 .		
	12	77.20	849	2.25	23700	8 0 .		
	11	82.25	907	3.08	23645	9 0 .		
	10	94.71	1041	2.25	23228	1 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

1.1 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
8.9	103.32	1131	2.48	22757	F 0 8 3 0 1 0 0 _ M _ - _ _ 1 . 1 6 A _	144.5	90L
7.9	116.63	1276	2.18	22285	1 1 2		
7.3	126.77	1380	2.02	22118	1 2 5		
6.4	143.09	1562	1.79	22107	1 4 0		
5.8	164.86	1802	1.54	20990	1 6 0		
5.1	181.11	1981	1.40	21340	1 8 0		
4.5	202.29	2208	1.26	20823	2 0 0		
4.1	222.21	2428	1.15	19984	2 2 5		
3.8	242.37	2637	1.05	18692	2 5 0		
3.3	279.09	3039	0.91	18000	2 8 0		
3.1	297.37	3234	0.86	17700	3 1 5		
9.4	98.32	1081	3.90	33057	F 0 9 2 0 1 0 0 _ M _ - _ _ 1 . 1 6 A _	194.5	90L
9.0	102.48	1121	3.84	33100	F 0 9 3 0 1 0 0 _ M _ - _ _ 1 . 1 6 A _	204.5	90L
8.1	113.85	1246	3.46	33100	1 1 2		
7.0	132.34	1445	2.92	33100	1 2 5		
6.3	147.03	1607	2.63	33060	1 4 0		
5.7	160.82	1760	2.45	33060	1 6 0		
5.2	177.54	1940	2.22	33060	1 8 0		
4.4	207.69	2268	1.86	33020	2 0 0		
4.0	229.28	2502	1.69	33020	2 2 5		
3.8	244.23	2659	1.62	32980	2 5 0		
3.3	274.63	2998	1.44	33035	2 8 0		
2.9	315.41	3443	1.23	32970	3 1 5		
2.6	354.67	3853	1.10	32906	3 5 5		
2.6	358.73	3858	1.09	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ 1 . 1 6 A _	235.5	90L
2.2	412.21	4431	0.95	32924	4 0 0		
2.0	457.90	4897	0.86	32924	4 5 0		
5.6	162.91	1787	3.58	43459	F 1 0 3 0 1 8 0 _ M _ - _ _ 1 . 1 6 A _	298.5	90L
4.9	187.70	2057	3.11	43439	1 8 0		
4.5	205.21	2243	3.23	43419	2 0 0		
3.9	236.45	2576	2.81	43419	2 2 5		
3.6	253.86	2772	2.31	43416	2 5 0		
3.4	272.75	2974	2.15	43416	2 8 0		
2.9	319.79	3481	2.08	43388	3 1 5		
2.7	343.57	3731	1.94	43380	3 5 5		
1.8	577.03	6201	1.17	43248	F 1 0 4 0 5 6 0 _ M _ - _ _ 1 . 1 6 A _	358.5	90L
1.4	651.34	6995	1.04	43248	6 3 0		
1.3	716.06	7670	0.95	43248	7 1 0		
1.1	808.27	8652	0.84	43248	8 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

1.5 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
272	5.11	51	3.56	4105	F 0 4 2 0 5 . 0 _ M _ - _ _ 1 . 5 4 A _	38.0	90L
220	6.32	63	3.25	4233	6 . 3		
194	7.17	71	3.07	4321	7 . 1		
176	7.90	78	2.93	4422	8 . 0		
155	8.97	89	2.74	4557	9 . 0		
142	9.77	97	2.66	4669	1 0 .		
122	11.40	113	2.42	4800	1 1 .		
107	12.95	129	2.26	4920	1 2 .		
99	14.09	140	2.16	5032	1 4 .		
87	16.01	160	2.03	5145	1 6 .		
79	17.63	176	1.90	5184	1 8 .		
69	20.03	200	1.76	5278	2 0 .		
64	21.79	217	1.67	5380	2 2 .		
56	24.75	247	1.49	5459	2 5 .		
48	28.82	288	0.97	5460	2 8 .		
44	31.33	311	0.91	5460	3 2 .		
39	35.62	356	0.97	5560	3 6 .		
36	38.72	385	0.91	5550	4 0 .		
79	17.59	177	3.39	11589	F 0 6 2 0 1 8 . _ M _ - _ _ 1 . 5 4 A _	63.0	90L
68	20.46	205	3.20	12109	2 0 .		
63	21.94	220	3.39	12404	2 2 .		
54	25.51	255	3.14	12909	2 5 .		
48	28.92	290	2.75	13219	2 8 .		
45	30.88	309	2.61	13228	3 2 .		
39	36.06	360	2.23	13335	3 6 .		
36	38.50	385	2.09	13335	4 0 .		
31	45.18	452	1.79	13414	4 5 .		
28	49.47	495	1.64	13414	5 0 .		
25	56.34	562	1.27	13558	5 6 .		
23	61.69	615	1.18	14302	6 3 .		
22	63.48	628	1.29	14209	F 0 6 3 0 8 3 . _ M _ - _ _ 1 . 5 4 A _	88.0	90L
19	72.12	716	1.13	14093	7 1 .		
18	79.15	783	1.03	14800	8 0 .		
15	89.92	888	0.91	14800	9 0 .		
31	44.99	448	3.70	18586	F 0 7 2 0 4 5 . _ M _ - _ _ 1 . 5 4 A _	91.0	90L
28	49.27	492	3.17	18587	5 0 .		
25	56.07	558	3.08	18606	5 6 .		
23	61.40	610	2.82	18567	6 3 .		
20	68.02	674	1.38	19642	7 1 .		
18	75.58	750	1.02	19642	8 0 .		
16	84.78	842	1.10	19642	9 0 .		
15	94.20	933	0.99	19642	1 0 0		
22	63.46	626	2.19	18526	F 0 7 3 0 6 3 . _ M _ - _ _ 1 . 5 4 A _	101.0	90L
19	73.81	731	1.98	18490	7 1 .		
18	79.09	780	2.15	18632	8 0 .		
15	91.99	906	1.85	18206	9 0 .		
13	104.31	1028	1.58	18310	1 0 0		
12	111.37	1100	1.51	19301	1 1 2		
11	130.00	1276	1.32	18704	1 2 5		
10	138.80	1362	1.23	18306	1 4 0		
8.5	162.96	1609	0.90	19100	1 6 0		
7.8	178.44	1757	0.83	18400	1 8 0		
6.8	203.11	1991	0.84	17600	2 0 0		
21	67.04	666	3.50	23529	F 0 8 2 0 7 1 . _ M _ - _ _ 1 . 5 4 A _	137.0	90L
18	77.20	765	2.36	23490	8 0 .		
17	82.25	817	3.41	23548	9 0 .		
15	94.71	936	2.36	23163	1 0 0		
13	103.32	1018	2.73	22800	F 0 8 3 0 1 0 0 _ M _ - _ _ 1 . 5 4 A _	142.0	90L
12	116.63	1150	2.42	22800	1 1 2		
11	126.77	1247	2.24	22662	1 2 5		
10	143.09	1403	1.99	22166	1 4 0		
8.4	164.88	1623	1.71	21714	1 6 0		
7.7	181.11	1782	1.56	21171	1 8 0		
6.9	202.29	1984	1.41	21475	2 0 0		
6.3	222.21	2182	1.28	20727	2 2 5		
5.7	242.37	2377	1.17	19633	2 5 0		
5.0	279.09	2735	1.02	19300	2 8 0		
4.7	297.37	2910	0.96	19000	3 1 5		
4.1	342.42	3358	0.83	17200	3 5 5		
12	113.85	1124	3.83	33100	F 0 9 3 0 1 1 2 _ M _ - _ _ 1 . 5 4 A _	202.0	90L
11	132.34	1299	3.25	33072	1 2 5		
9.5	147.03	1444	2.92	33072	1 4 0		
8.6	160.82	1583	2.72	33072	1 6 0		
7.8	177.54	1751	2.46	33044	1 8 0		
6.7	207.69	2042	2.07	33017	2 0 0		
6.1	228.28	2259	1.87	33022	2 2 5		
5.7	244.23	2400	1.80	33022	2 5 0		
5.1	274.63	2697	1.60	32963	2 8 0		
4.4	315.41	3092	1.37	32984	3 1 5		
3.9	354.67	3483	1.21	32984	3 5 5		
3.9	358.73	3492	1.21	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ 1 . 5 4 A _	233.0	90L
3.4	412.21	4010	1.05	32924	4 0 0		
3.0	457.90	4435	0.95	32924	4 5 0		
2.6	526.17	5093	0.83	32924	5 0 0		
8.5	162.91	1610	3.98	43458	F 1 0 3 0 1 6 0 _ M _ - _ _ 1 . 5 4 A _	296.0	90L
7.4	187.70	1854	3.45	43461	1 8 0		
6.8	205.21	2018	3.59	43442	2 0 0		
5.9	236.45	2324	3.12	43423	2 2 5		
5.5	253.86	2503	2.56	43444	2 5 0		
5.1	272.75	2684	2.38	43417	2 8 0		
4.3	319.79	3142	2.31	43389	3 1 5		
4.0	343.57	3366	2.15	43389	3 5 5		
2.4	577.03	5613	1.29	43248	F 1 0 4 0 5 6 0 _ M _ - _ _ 1 . 5 4 A _	356.0	90L
2.1	651.34	6331	1.15	43248	6 3 0		
1.9	716.06	6947	1.04	43248	7 1 0		
1.7	808.27	7836	0.93	43248	8 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

1.5 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
186	5.11	74	2.74	4400	F 0 4 2 0 5 . 0 _ M _ - _ _ 1 . 5 6 A _	44.2	100L
150	6.32	92	2.51	4641	6 . 3		
132	7.17	105	2.37	4743	7 . 1		
120	7.90	115	2.26	4841	8 . 0		
106	8.97	131	2.12	4956	9 . 0		
97	9.77	143	2.05	5066	1 0 .		
83	11.40	167	1.87	5164	1 1 .		
73	12.95	189	1.75	5262	1 2 .		
67	14.09	206	1.68	5364	1 4 .		
59	16.01	234	1.56	5441	1 6 .		
54	17.63	258	1.46	5429	1 8 .		
47	20.03	293	1.29	5467	2 0 .		
44	21.79	319	1.19	5546	2 2 .		
38	24.75	361	1.06	5550	2 5 .		
67	14.09	207	3.82	12261	F 0 6 2 0 1 4 . _ M _ - _ _ 1 . 5 6 A _	69.2	100L
59	15.97	234	3.41	12710	1 6 .		
54	17.59	258	2.32	12935	1 8 .		
48	20.48	300	2.19	13228	2 0 .		
43	21.94	322	2.32	13335	2 2 .		
37	25.51	374	2.15	13335	2 5 .		
33	28.92	424	1.88	13366	2 8 .		
31	30.88	453	1.79	13366	3 2 .		
26	36.06	528	1.52	14170	3 6 .		
25	38.50	564	1.42	14236	4 0 .		
21	45.18	660	1.23	14103	4 5 .		
19	49.47	723	1.12	14800	5 0 .		
17	56.34	824	0.95	14800	5 6 .		
15	61.69	902	0.86	14600	6 3 .		
15	63.48	924	0.88	14100	F 0 6 3 0 6 3 . _ M _ - _ _ 1 . 5 6 A _	74.2	100L
33	28.77	420	3.78	18305	F 0 7 2 0 2 8 . _ M _ - _ _ 1 . 5 6 A _	97.2	100L
29	32.53	475	3.49	18400	3 2 .		
26	35.86	523	3.29	18444	3 6 .		
23	40.55	592	2.90	18400	4 0 .		
21	44.99	656	2.53	19227	4 5 .		
19	49.27	716	2.19	19313	5 0 .		
17	56.07	817	2.10	19442	5 6 .		
15	61.40	892	1.93	19098	6 3 .		
14	68.02	986	0.94	19600	7 1 .		
11	84.78	1224	0.82	19600	9 0 .		
15	63.46	919	1.64	18693	F 0 7 3 0 6 3 . _ M _ - _ _ 1 . 5 6 A _	107.2	100L
13	73.81	1067	1.52	17975	7 1 .		
12	79.09	1141	1.47	17831	8 0 .		
10	91.99	1326	1.27	18240	9 0 .		
9.1	104.31	1506	1.10	17046	1 0 0		
8.5	111.37	1612	1.03	18800	1 1 2		
7.3	130.00	1872	0.90	17900	1 2 5		
6.8	138.80	2005	0.84	17300	1 4 0		
29	32.26	471	3.98	23257	F 0 8 2 0 3 2 . _ M _ - _ _ 1 . 5 6 A _	143.2	100L
24	39.58	577	3.98	23273	4 0 .		
21	45.60	664	3.17	23067	4 5 .		
19	50.09	730	2.75	23312	5 0 .		
17	55.95	813	3.17	23290	5 6 .		
15	61.46	894	2.75	23003	6 3 .		
14	67.04	976	2.47	23081	7 1 .		
12	77.20	1122	1.70	23153	8 0 .		
12	82.25	1198	2.33	23067	9 0 .		
10	94.71	1374	1.70	22422	1 0 0		
9.2	103.32	1494	1.86	21692	F 0 8 3 0 1 0 0 _ M _ - _ _ 1 . 5 6 A _	148.2	100L
8.1	116.63	1685	1.65	20961	1 1 2		
7.5	126.77	1822	1.53	20704	1 2 5		
6.6	143.09	2062	1.35	20686	1 4 0		
5.8	164.88	2380	1.17	18957	1 6 0		
5.2	181.11	2617	1.06	19600	1 8 0		
4.7	202.29	2916	0.96	18700	2 0 0		
4.3	222.21	3203	0.87	17400	2 2 5		
14	67.71	988	4.00	33077	F 0 9 2 0 7 1 . _ M _ - _ _ 1 . 5 6 A _	198.2	100L
12	76.14	1107	3.31	33077	8 0 .		
11	87.44	1271	3.32	33055	9 0 .		
10	98.32	1427	2.96	33033	1 0 0		
9.3	102.48	1481	2.91	33100	F 0 9 3 0 1 0 0 _ M _ - _ _ 1 . 5 6 A _	208.2	100L
8.3	113.85	1645	2.62	33100	1 1 2		
7.2	132.34	1909	2.21	33100	1 2 5		
6.5	147.03	2123	1.99	33038	1 4 0		
5.9	160.82	2324	1.85	33038	1 6 0		
5.4	177.54	2561	1.68	33038	1 8 0		
4.6	207.69	2998	1.41	32976	2 0 0		
4.1	229.28	3305	1.28	32976	2 2 5		
3.9	244.23	3512	1.23	32914	2 5 0		
3.5	274.63	3959	1.09	33000	2 8 0		
3.0	315.41	4547	0.93	32900	3 1 5		
2.7	354.67	5088	0.83	32800	3 5 5		
2.6	358.73	5095	0.83	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ 1 . 5 8 A _	245.2	100L
8.3	114.24	1655	3.87	43436	F 1 0 3 0 1 1 2 _ M _ - _ _ 1 . 5 8 A _	302.2	100L
7.3	129.50	1868	3.88	43433	1 2 5		
6.6	143.90	2077	3.49	43433	1 4 0		
5.8	162.91	2360	2.71	43437	1 6 0		
5.1	187.70	2717	2.36	43406	1 8 0		
4.6	205.21	2962	2.45	43375	2 0 0		
4.0	236.45	3402	2.13	43375	2 2 5		
3.7	253.86	3660	1.75	43371	2 5 0		
3.5	272.75	3927	1.63	43371	2 8 0		
3.0	318.79	4596	1.56	43328	3 1 5		
2.8	343.57	4928	1.47	43314	3 5 5		
2.6	360.95	5131	1.41	43248	F 1 0 4 0 3 6 0 _ M _ - _ _ 1 . 5 6 A _	362.2	100L
2.3	420.16	5971	1.21	43248	4 0 0		
2.1	447.92	6346	1.14	43248	4 5 0		
1.8	521.39	7385	0.98	43248	5 0 0		
1.6	577.03	8190	0.89	43248	5 6 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

2.2 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
276	5.11	73	2.45	3910	F 0 4 2 0 5 . 0 _ M _ - _ _ 2 . 2 4 A _	44.0	100L
223	6.32	91	2.25	4000	6 . 3		
197	7.17	103	2.12	4049	7 . 1		
176	7.90	114	2.02	4122	8 . 0		
157	8.97	129	1.90	4216	9 . 0		
144	9.77	141	1.84	4308	1 0 .		
124	11.40	164	1.67	4366	1 1 .		
109	12.95	187	1.56	4427	1 2 .		
100	14.09	203	1.51	4510	1 4 .		
88	16.01	231	1.41	4553	1 6 .		
80	17.63	255	1.31	4516	1 8 .		
70	20.03	289	1.22	4518	2 0 .		
65	21.79	314	1.15	4577	2 2 .		
57	24.75	357	1.03	4544	2 5 .		
110	12.81	186	3.76	10300	F 0 6 2 0 1 2 . _ M _ - _ _ 2 . 2 4 A _	69.0	100L
100	14.09	204	3.66	10585	1 4 .		
88	15.97	231	3.33	10955	1 6 .		
80	17.59	256	2.35	11076	1 8 .		
69	20.46	297	2.21	11506	2 0 .		
64	21.94	318	2.35	11798	2 2 .		
55	25.51	369	2.17	12204	2 5 .		
49	28.92	419	1.90	12367	2 8 .		
46	30.88	448	1.81	12380	3 2 .		
39	36.06	521	1.54	12541	3 6 .		
37	38.50	558	1.45	12541	4 0 .		
31	45.18	654	1.24	12661	4 5 .		
28	49.47	716	1.13	12661	5 0 .		
25	56.34	812	0.88	12877	5 6 .		
23	61.69	890	0.81	14000	6 3 .		
22	63.48	908	0.89	13700	F 0 6 3 0 6 3 . _ M _ - _ _ 2 . 2 4 A _	74.0	100L
56	25.04	361	3.84	16557	F 0 7 2 0 2 5 . _ M _ - _ _ 2 . 2 4 A _	97.0	100L
49	28.77	415	3.44	17009	2 8 .		
43	32.53	471	3.18	17571	3 2 .		
39	35.86	518	3.09	17848	3 6 .		
35	40.55	585	2.85	17800	4 0 .		
31	44.99	648	2.56	17766	4 5 .		
29	49.27	711	2.19	17733	5 0 .		
25	56.07	807	2.13	17800	5 6 .		
23	61.40	882	1.95	17733	6 3 .		
21	68.02	975	0.95	19600	7 1 .		
22	63.46	906	1.51	17930	F 0 7 3 0 6 3 . _ M _ - _ _ 2 . 2 4 A _	107.0	100L
19	73.81	1058	1.37	17877	7 1 .		
18	79.09	1127	1.49	18091	8 0 .		
15	91.99	1310	1.28	17448	9 0 .		
14	104.31	1486	1.10	17605	1 0 0		
13	111.37	1591	1.04	19100	1 1 2		
11	130.00	1845	0.91	18200	1 2 5		
10	138.80	1969	0.86	17600	1 4 0		
31	45.60	657	3.21	22587	F 0 8 2 0 4 5 . _ M _ - _ _ 2 . 2 4 A _	143.0	100L
28	50.09	721	2.78	22539	5 0 .		
25	55.95	803	3.21	22610	5 6 .		
23	61.46	883	2.78	22539	6 3 .		
21	67.04	963	2.42	22666	7 1 .		
18	77.20	1108	1.64	22600	8 0 .		
17	82.25	1182	2.36	22700	9 0 .		
15	94.71	1357	1.64	22066	1 0 0		
14	103.32	1472	1.89	21400	F 0 8 3 0 1 0 0 _ M _ - _ _ 2 . 2 4 A _	148.0	100L
12	116.63	1663	1.67	21400	1 1 2		
11	126.77	1803	1.55	21160	1 2 5		
10	143.09	2029	1.37	20300	1 4 0		
8.6	164.88	2346	1.16	19614	1 6 0		
7.8	181.11	2577	1.08	18571	1 8 0		
7.0	202.29	2869	0.97	19100	2 0 0		
6.3	222.21	3156	0.88	17800	2 2 5		
5.8	242.37	3436	0.81	15900	2 5 0		
21	67.71	975	3.69	33068	F 0 9 2 0 7 1 . _ M _ - _ _ 2 . 2 4 A _	198.0	100L
19	76.14	1094	3.29	33052	8 0 .		
16	87.44	1257	3.35	33076	9 0 .		
14	98.32	1410	2.99	33052	1 0 0		
14	102.48	1481	2.95	33100	F 0 9 3 0 1 0 0 _ M _ - _ _ 2 . 2 4 A _	208.0	100L
12	113.85	1625	2.65	33100	1 1 2		
11	132.34	1879	2.25	33052	1 2 5		
10	147.03	2089	2.02	33052	1 4 0		
8.8	160.82	2288	1.88	33052	1 6 0		
7.9	177.54	2532	1.70	33004	1 8 0		
6.8	207.68	2953	1.43	32958	2 0 0		
6.1	229.28	3266	1.30	32965	2 2 5		
5.8	244.23	3470	1.24	32965	2 5 0		
5.1	274.63	3900	1.11	32897	2 8 0		
4.5	315.41	4471	0.95	32900	3 1 5		
4.0	354.67	5036	0.84	32900	3 5 5		
3.9	358.73	5049	0.84	32924	F 0 9 4 0 3 6 0 _ M _ - _ _ 2 . 2 4 A _	245.0	100L

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

2.2 kW

	N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	12	114.24	1632	3.92	43436	F 1 0 3 0 1 1 2 _ M _ - _ _ 2 . 2 4 A _	302.0	100L
	11	129.50	1842	3.93	43436	1 2 5		
	10	143.90	2047	3.54	43428	1 4 0		
	8.7	162.91	2327	2.75	43428	1 6 0		
	7.5	187.70	2681	2.39	43433	1 8 0		
	6.9	205.21	2918	2.48	43400	2 0 0		
	6.0	236.45	3361	2.16	43366	2 2 5		
	5.6	253.86	3619	1.77	43404	2 5 0		
	5.2	272.75	3881	1.66	43356	2 8 0		
	4.4	319.79	4543	1.60	43306	3 1 5		
	4.1	343.57	4867	1.49	43308	3 5 5		
	3.9	360.95	5066	1.43	43248	F 1 0 4 0 3 6 0 _ M _ - _ _ 2 . 2 4 A _	362.0	100L
	3.4	420.16	5917	1.23	43248	4 0 0		
	3.1	447.92	6294	1.15	43248	4 5 0		
	2.7	521.39	7323	0.99	43248	5 0 0		
	2.4	577.03	8116	0.89	43248	5 6 0		
6 POLE	185	5.11	110	1.86	4110	F 0 4 2 0 5 . 0 _ M _ - _ _ 2 . 2 6 A _	52.8	112M
	150	6.32	136	1.70	4290	6 . 3		
	132	7.17	155	1.61	4330	7 . 1		
	120	7.90	170	1.53	4390	8 . 0		
	105	8.97	194	1.44	4440	9 . 0		
	97	9.77	211	1.39	4520	1 0 .		
	83	11.40	246	1.27	4510	1 1 .		
	73	12.95	279	1.19	4520	1 2 .		
	67	14.09	305	1.14	4580	1 4 .		
	59	16.01	346	1.06	4550	1 6 .		
	54	17.63	380	0.99	4420	1 8 .		
	47	20.03	433	0.87	4320	2 0 .		
	43	21.79	470	0.81	4330	2 2 .		
	188	5.03	109	3.78	8984	F 0 6 2 0 5 . 0 _ M _ - _ _ 2 . 2 6 A _	80.8	112M
	151	6.27	135	3.78	9522	6 . 3		
	134	7.07	153	3.51	9783	7 . 1		
	119	7.93	172	3.37	10079	8 . 0		
	106	8.90	193	3.02	10372	9 . 0		
	96	9.89	214	3.32	10733	1 0 .		
	84	11.30	245	2.92	10997	1 1 .		
	74	12.81	278	2.79	11323	1 2 .		
	67	14.09	305	2.59	11660	1 4 .		
	59	15.97	346	2.31	12035	1 6 .		
	54	17.59	381	1.57	12141	1 8 .		
	46	20.46	443	1.49	12380	2 0 .		
	43	21.94	474	1.57	12541	2 2 .		
	37	25.51	551	1.46	12541	2 5 .		
	33	28.92	625	1.28	12588	2 8 .		
	31	30.68	668	1.21	12568	3 2 .		
	28	36.06	778	1.03	13800	3 6 .		
	25	38.50	832	0.97	13900	4 0 .		
	21	45.18	974	0.83	13700	4 5 .		
	183	5.15	111	3.82	12016	F 0 7 2 0 5 . 0 _ M _ - _ _ 2 . 2 6 A _	109.8	112M
	147	6.42	138	3.82	12678	6 . 3		
	132	7.14	154	3.82	13040	7 . 1		
	118	8.02	173	3.82	13414	8 . 0		
	107	8.81	190	3.82	13786	9 . 0		
	95	9.99	215	3.82	14361	1 0 .		
	82	11.51	248	3.82	14887	1 1 .		
	72	13.09	282	3.82	15429	1 2 .		
	66	14.35	309	3.82	15907	1 4 .		
	58	16.31	353	3.74	16442	1 6 .		
	54	17.48	378	3.19	16657	1 8 .		
	47	20.09	434	3.02	17226	2 0 .		
	43	21.79	470	3.17	17749	2 2 .		
	38	25.04	538	2.91	17672	2 5 .		
	33	28.77	620	2.56	17441	2 8 .		
	29	32.53	701	2.37	17595	3 2 .		
	26	35.86	771	2.23	17666	3 6 .		
	23	40.55	873	1.97	17595	4 0 .		
	21	44.99	968	1.71	18934	4 5 .		
	19	49.27	1056	1.49	19073	5 0 .		
	17	56.07	1205	1.43	19282	5 6 .		
	15	61.40	1316	1.31	18725	6 3 .		
	15	63.46	1355	1.11	18183	F 0 7 3 0 6 3 . _ M _ - _ _ 2 . 2 6 A _	118.8	112M
	13	73.61	1574	1.03	17100	7 1 .		
	12	79.09	1683	1.00	16883	8 0 .		
	10	91.99	1955	0.86	17500	9 0 .		
	33	28.58	617	3.11	22415	F 0 8 2 0 2 8 . _ M _ - _ _ 2 . 2 6 A _	150.8	112M
	29	32.26	695	2.70	22364	3 2 .		
	27	35.06	755	3.11	22467	3 6 .		
	24	39.58	851	2.70	22390	4 0 .		
	21	45.60	980	2.15	22056	4 5 .		
	19	50.09	1077	1.87	22452	5 0 .		
	17	55.95	1198	2.15	22416	5 6 .		
	15	61.48	1318	1.87	21953	6 3 .		
	14	67.04	1440	1.67	22076	7 1 .		
	12	77.20	1654	1.15	22195	8 0 .		
	11	82.25	1766	1.58	22055	9 0 .		
	10	94.71	2027	1.15	21012	1 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

2.2 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
9.1	103.32	2203	1.26	19829	F 0 8 3 0 1 0 0 _ M _ - _ _ 2 . 2 6 A _	155.8	112M
8.1	116.63	2485	1.12	18646	1 1 2		
7.5	126.77	2687	1.04	18228	1 2 5		
6.6	143.09	3041	0.92	18200	1 4 0		
16	57.58	1239	3.41	33064	F 0 9 2 0 5 6 . _ M _ - _ _ 2 . 2 6 A _	205.8	112M
15	63.56	1368	3.08	33064	6 3 .		
14	67.71	1456	2.71	33064	7 1 .		
12	76.14	1632	2.24	33064	8 0 .		
11	87.44	1875	2.25	33028	9 0 .		
10	96.32	2105	2.00	32992	1 0 0		
9.2	102.48	2184	1.97	33100	F 0 9 3 0 1 0 0 _ M _ - _ _ 2 . 2 6 A _	215.8	112M
8.3	113.85	2428	1.78	33100	1 1 2		
7.1	132.34	2815	1.50	33100	1 2 5		
6.4	147.03	3130	1.35	33000	1 4 0		
5.9	160.82	3427	1.26	33000	1 6 0		
5.3	177.54	3777	1.14	33000	1 8 0		
4.6	207.69	4417	0.96	32900	2 0 0		
4.1	229.28	4873	0.87	32900	2 2 5		
3.9	244.23	5178	0.83	32800	2 5 0		
13	74.39	1599	3.51	43466	F 1 0 2 0 8 0 . _ M _ - _ _ 2 . 2 6 A _	289.8	112M
11	87.21	1871	3.87	43476	9 0 .		
10	93.70	2009	3.51	43465	1 0 0		
9.2	102.80	2197	2.91	43423	F 1 0 3 0 1 0 0 _ M _ - _ _ 2 . 2 6 A _	309.8	112M
8.3	114.24	2440	2.62	43397	1 1 2		
7.3	129.50	2755	2.63	43392	1 2 5		
6.6	143.90	3062	2.37	43392	1 4 0		
5.8	162.91	3480	1.84	43399	1 6 0		
5.0	187.70	4006	1.60	43348	1 8 0		
4.6	205.21	4367	1.66	43296	2 0 0		
4.0	236.45	5016	1.45	43298	2 2 5		
3.7	253.88	5397	1.19	43291	2 5 0		
3.5	272.75	5790	1.11	43291	2 8 0		
3.0	319.79	6779	1.07	43221	3 1 5		
2.8	343.57	7265	1.00	43200	3 5 5		
2.6	360.95	7566	0.96	43248	F 1 0 4 0 3 6 0 _ M _ - _ _ 2 . 2 6 A _	369.8	112M
2.2	420.16	8803	0.82	43248	4 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

3.0 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
278	5.11	99	1.81	3668	F 0 4 2 0 5 . 0 _ M _ - _ _ 3 . 0 4 A _	47.8	112M
225	6.32	123	1.66	3733	6 . 3		
198	7.17	140	1.57	3738	7 . 1		
180	7.90	154	1.50	3778	8 . 0		
158	8.97	175	1.40	3826	9 . 0		
145	9.77	191	1.36	3895	1 0 .		
125	11.40	222	1.23	3870	1 1 .		
110	12.95	253	1.16	3864	1 2 .		
101	14.09	275	1.11	3914	1 4 .		
89	16.01	314	1.04	3876	1 6 .		
81	17.63	345	0.97	3753	1 8 .		
71	20.03	391	0.90	3650	2 0 .		
65	21.79	426	0.85	3660	2 2 .		
226	6.27	122	3.98	8570	F 0 6 2 0 6 . 3 _ M _ - _ _ 3 . 0 4 A _	72.8	112M
201	7.07	139	3.72	8660	7 . 1		
179	7.93	156	3.53	8782	8 . 0		
160	8.90	174	3.33	9023	9 . 0		
144	9.89	194	3.24	9341	1 0 .		
126	11.30	222	2.96	9543	1 1 .		
111	12.81	252	2.77	9863	1 2 .		
101	14.09	276	2.70	10142	1 4 .		
89	15.97	313	2.46	10448	1 6 .		
81	17.59	348	1.73	10490	1 8 .		
69	20.46	402	1.64	10816	2 0 .		
65	21.94	430	1.73	11105	2 2 .		
56	25.51	500	1.61	11398	2 5 .		
49	28.92	567	1.40	11393	2 8 .		
46	30.88	606	1.34	11411	3 2 .		
39	36.06	706	1.14	11634	3 6 .		
37	38.50	754	1.07	11634	4 0 .		
31	45.18	886	0.91	11800	4 5 .		
29	49.47	970	0.84	11800	5 0 .		
99	14.35	280	3.92	13827	F 0 7 2 0 1 4 . _ M _ - _ _ 3 . 0 4 A _	100.8	112M
87	16.31	317	3.66	14281	1 6 .		
81	17.48	341	3.43	14446	1 8 .		
71	20.09	393	3.15	14935	2 0 .		
65	21.79	427	3.09	15389	2 2 .		
57	25.04	489	2.84	15907	2 5 .		
49	28.77	563	2.54	16238	2 8 .		
44	32.53	639	2.35	16685	3 2 .		
40	35.86	702	2.26	16950	3 6 .		
35	40.55	793	2.11	16879	4 0 .		
32	44.99	878	1.89	16829	4 5 .		
29	49.27	963	1.62	16779	5 0 .		
25	56.07	1093	1.57	16878	5 6 .		
23	61.40	1194	1.44	16779	6 3 .		
22	63.46	1227	1.12	17250	F 0 7 3 0 6 3 . _ M _ - _ _ 3 . 0 4 A _	110.8	112M
19	73.81	1432	1.01	17176	7 1 .		
18	79.09	1527	1.10	17473	8 0 .		
15	91.99	1774	0.95	16582	9 0 .		
14	104.31	2013	0.81	16800	1 0 0		
50	28.58	557	3.43	19636	F 0 8 2 0 2 8 . _ M _ - _ _ 3 . 0 4 A _	146.8	112M
44	32.26	630	2.98	20255	3 2 .		
40	35.06	685	3.43	20761	3 6 .		
36	39.58	771	2.98	21356	4 0 .		
31	45.60	890	2.37	21582	4 5 .		
28	50.09	977	2.06	21492	5 0 .		
25	55.95	1088	2.37	21597	5 6 .		
23	61.48	1198	2.06	21492	6 3 .		
21	67.04	1304	1.79	21680	7 1 .		
18	77.20	1496	1.21	21581	8 0 .		
17	82.25	1600	1.74	21730	9 0 .		
15	94.71	1838	1.21	20789	1 0 0		
14	103.32	1994	1.39	19800	F 0 8 3 0 1 0 0 _ M _ - _ _ 3 . 0 4 A _	151.8	112M
12	116.63	2252	1.23	19800	1 1 2		
11	126.77	2441	1.14	19444	1 2 5		
10	143.09	2748	1.02	18166	1 4 0		
8.8	164.88	3177	0.87	17000	1 6 0		
25	57.58	1124	3.75	33076	F 0 9 2 0 5 6 . _ M _ - _ _ 3 . 0 4 A _	201.8	112M
22	63.56	1243	3.39	33053	6 3 .		
21	67.71	1320	2.73	33053	7 1 .		
19	76.14	1482	2.43	33029	8 0 .		
16	87.44	1703	2.46	33064	9 0 .		
14	98.32	1909	2.21	33029	1 0 0		
14	102.48	1979	2.16	33100	F 0 9 3 0 1 0 0 _ M _ - _ _ 3 . 0 4 A _	211.8	112M
12	113.85	2200	1.96	33100	1 1 2		
11	132.34	2544	1.66	33028	1 2 5		
10	147.03	2828	1.49	33028	1 4 0		
8.8	160.82	3099	1.39	33028	1 6 0		
8.0	177.54	3429	1.26	32957	1 8 0		
6.8	207.69	3999	1.06	32886	2 0 0		
6.2	229.28	4422	0.96	32900	2 2 5		
5.8	244.23	4698	0.92	32900	2 5 0		
5.2	274.63	5281	0.82	32800	2 8 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

3.0 kW

	N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	19	74.39	1456	3.85	43481	F 1 0 2 0 8 0 . _ M _ - _ _ 3 . 0 4 A _	285.8	112M
	15	93.70	1827	3.85	43475	1 0 0		
	14	102.80	1989	3.20	43429	F 1 0 3 0 1 0 0 _ M _ - _ _ 3 . 0 4 A _	305.8	112M
	12	114.24	2210	2.90	43406	1 1 2		
	11	129.50	2495	2.91	43406	1 2 5		
	10	143.90	2772	2.61	43394	1 4 0		
	8.7	162.91	3152	2.03	43394	1 6 0		
	7.6	187.70	3630	1.76	43401	1 8 0		
	6.9	205.21	3951	1.83	43351	2 0 0		
	6.0	236.45	4551	1.59	43302	2 2 5		
	5.6	253.86	4901	1.31	43357	2 5 0		
	5.2	272.75	5256	1.22	43286	2 8 0		
	4.4	319.79	6152	1.18	43215	3 1 5		
	4.1	343.57	6590	1.10	43215	3 5 5		
	3.9	360.95	6886	1.05	43248	F 1 0 4 0 3 6 0 _ M _ - _ _ 3 . 0 4 A _	365.8	112M
	3.4	420.16	8013	0.91	43248	4 0 0		
	3.2	447.92	8522	0.85	43248	4 5 0		
6 POLE	189	5.03	147	2.78	8729	F 0 6 2 0 5 . 0 _ M _ - _ _ 3 . 0 6 A _	91.0	132S
	151	6.27	184	2.78	9225	6 . 3		
	134	7.07	208	2.59	9425	7 . 1		
	120	7.93	233	2.49	9677	8 . 0		
	107	8.90	262	2.22	9923	9 . 0		
	96	9.89	290	2.45	10267	1 0 .		
	84	11.30	333	2.15	10428	1 1 .		
	74	12.81	377	2.06	10677	1 2 .		
	67	14.09	414	1.91	11016	1 4 .		
	59	15.97	469	1.71	11264	1 6 .		
	54	17.59	517	1.16	11234	1 8 .		
	46	20.46	601	1.10	11411	2 0 .		
	43	21.94	644	1.16	11634	2 2 .		
	37	25.51	748	1.08	11634	2 5 .		
	33	28.92	848	0.94	11700	2 8 .		
	31	30.88	907	0.89	11700	3 2 .		
	184	5.15	150	2.81	11806	F 0 7 2 0 5 . 0 _ M _ - _ _ 3 . 0 6 A _	120.0	132S
	148	6.42	187	2.81	12424	6 . 3		
	133	7.14	208	2.81	12744	7 . 1		
	119	8.02	234	2.81	13088	8 . 0		
	106	8.81	258	2.81	13427	9 . 0		
	95	9.99	292	2.81	13973	1 0 .		
	83	11.51	337	2.81	14415	1 1 .		
	73	13.09	383	2.81	14892	1 2 .		
	66	14.35	419	2.81	15345	1 4 .		
	58	16.31	479	2.75	15604	1 6 .		
	54	17.48	513	2.36	15939	1 8 .		
	47	20.09	589	2.22	16407	2 0 .		
	44	21.79	638	2.34	16896	2 2 .		
	38	25.04	731	2.15	16785	2 5 .		
	33	28.77	841	1.89	16453	2 8 .		
	29	32.53	951	1.74	16675	3 2 .		
	26	35.86	1047	1.64	16777	3 6 .		
	23	40.55	1185	1.45	16675	4 0 .		
	21	44.99	1313	1.26	16600	4 5 .		
	19	49.27	1433	1.10	16600	5 0 .		
	17	56.07	1634	1.05	19100	5 6 .		
	15	61.40	1785	0.96	18300	6 3 .		
	15	63.46	1838	0.82	17600	F 0 7 3 0 6 3 . _ M _ - _ _ 3 . 0 6 A _	129.0	132S
	53	17.88	526	3.89	19384	F 0 8 2 0 1 8 . _ M _ - _ _ 3 . 0 6 A _	161.0	132S
	46	20.81	611	3.53	20094	2 0 .		
	43	21.93	644	3.89	20478	2 2 .		
	37	25.53	746	3.50	21257	2 5 .		
	33	28.58	837	2.29	21417	2 8 .		
	29	32.26	943	1.99	21343	3 2 .		
	27	35.06	1025	2.29	21490	3 6 .		
	24	39.58	1154	1.99	21380	4 0 .		
	21	45.60	1329	1.59	20900	4 5 .		
	19	50.09	1461	1.38	21470	5 0 .		
	17	55.95	1626	1.59	21418	5 6 .		
	15	61.48	1788	1.38	20752	6 3 .		
	14	67.04	1953	1.23	20932	7 1 .		
	12	77.20	2244	0.85	21100	8 0 .		
	12	82.25	2396	1.16	20900	9 0 .		
	10	94.71	2749	0.85	19400	1 0 0		
	9.2	103.32	2988	0.93	17700	F 0 8 3 0 1 0 0 _ M _ - _ _ 3 . 0 6 A _	166.0	132S
	8.1	116.63	3371	0.82	16000	1 1 2		
	26	36.69	1075	3.93	33075	F 0 9 2 0 3 6 . _ M _ - _ _ 3 . 0 6 A _	216.0	132S
	23	40.78	1195	3.53	33050	4 0 .		
	21	44.58	1306	3.30	33063	4 5 .		
	19	49.22	1440	2.99	33063	5 0 .		
	16	57.58	1681	2.51	33048	5 6 .		
	15	63.56	1856	2.27	33048	6 3 .		
	14	67.71	1976	2.00	33048	7 1 .		
	12	76.14	2214	1.65	33048	8 0 .		
	11	87.44	2543	1.66	32997	9 0 .		
	10	98.32	2855	1.48	32946	1 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

3.0 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
15	84.49	1878	3.86	43452	F 1 0 2 0 8 3 . _ M _ - _ _ 3 . 0 6 A _	300.0	132S
14	89.24	2022	3.05	43452	7 1 .		
13	74.39	2169	2.59	43475	8 0 .		
11	87.21	2537	2.86	43450	9 0 .		
10	93.70	2726	2.59	43425	1 0 0		
9.2	102.80	2980	2.15	43389	F 1 0 3 0 1 0 0 _ M _ - _ _ 3 . 0 6 A _	320.0	132S
8.3	114.24	3310	1.93	43352	1 1 2		
7.3	129.50	3737	1.94	43346	1 2 5		
6.8	143.90	4154	1.74	43346	1 4 0		
5.8	162.91	4720	1.36	43355	1 6 0		
5.1	187.70	5434	1.16	43282	1 8 0		
4.6	205.21	5924	1.22	43210	2 0 0		
4.0	236.45	6804	1.07	43210	2 2 5		
3.7	253.86	7321	0.87	43200	2 5 0		
3.5	272.75	7855	0.81	43200	2 8 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

3.7 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
279	5.11	122	1.47	3410	F 0 4 2 0 5 . 0 _ M _ - _ _ 3 . 7 4 A _	55.0	112M
225	6.32	151	1.35	3400	6 . 3		
199	7.17	172	1.28	3350	7 . 1		
180	7.90	190	1.22	3350	8 . 0		
159	8.97	216	1.14	3340	9 . 0		
146	9.77	235	1.10	3380	1 0 .		
125	11.40	274	1.01	3250	1 1 .		
110	12.95	311	0.94	3160	1 2 .		
101	14.09	339	0.91	3170	1 4 .		
283	5.03	121	3.39	8040	F 0 6 2 0 5 . 0 _ M _ - _ _ 3 . 7 4 A _	83.0	112M
227	6.27	151	3.24	8321	6 . 3		
201	7.07	171	3.03	8362	7 . 1		
180	7.93	192	2.86	8448	8 . 0		
160	8.90	215	2.71	8649	9 . 0		
144	9.89	238	2.64	8949	1 0 .		
126	11.30	273	2.41	9071	1 1 .		
111	12.81	310	2.28	9318	1 2 .		
101	14.09	339	2.19	9588	1 4 .		
89	15.97	385	2.00	9815	1 8 .		
81	17.59	426	1.41	9758	1 8 .		
70	20.46	495	1.33	9953	2 0 .		
65	21.94	529	1.41	10239	2 2 .		
56	25.51	615	1.31	10391	2 5 .		
49	28.92	697	1.15	10176	2 8 .		
46	30.88	746	1.08	10200	3 2 .		
40	36.06	868	0.93	10500	3 6 .		
37	38.50	926	0.86	10500	4 0 .		
277	5.15	123	3.43	10883	F 0 7 2 0 5 . 0 _ M _ - _ _ 3 . 7 4 A _	112.0	112M
222	6.42	153	3.43	11321	6 . 3		
200	7.14	171	3.43	11457	7 . 1		
178	8.02	192	3.43	11609	8 . 0		
162	8.81	212	3.43	11760	9 . 0		
143	9.99	240	3.43	12213	1 0 .		
124	11.51	277	3.43	12591	1 1 .		
109	13.09	315	3.26	12994	1 2 .		
99	14.35	345	3.19	13361	1 4 .		
87	16.31	389	2.97	13759	1 6 .		
82	17.48	419	2.79	13853	1 8 .		
71	20.09	483	2.56	14255	2 0 .		
65	21.79	524	2.51	14663	2 2 .		
57	25.04	602	2.31	15093	2 5 .		
50	28.77	692	2.06	15274	2 8 .		
44	32.53	785	1.91	15577	3 2 .		
40	35.86	862	1.85	15828	3 6 .		
35	40.55	974	1.71	15728	4 0 .		
29	49.27	1184	1.32	15587	5 0 .		
25	56.07	1343	1.28	15727	5 6 .		
23	61.40	1468	1.17	15587	6 3 .		
22	63.46	1508	0.91	16400	F 0 7 3 0 6 3 . _ M _ - _ _ 3 . 7 4 A _	121.0	112M
18	79.09	1877	0.90	16700	8 0 .		
80	17.88	429	4.30	16843	F 0 8 2 0 1 8 . _ M _ - _ _ 3 . 7 4 A _	153.0	112M
68	20.81	502	3.88	17489	2 0 .		
65	21.93	525	4.28	17875	2 2 .		
56	25.53	616	3.88	18492	2 5 .		
50	28.58	685	2.79	18794	2 8 .		
44	32.26	776	2.42	19298	3 2 .		
41	35.06	842	2.79	19766	3 8 .		
36	39.58	948	2.42	20237	4 0 .		
28	50.09	1201	1.68	20182	5 0 .		
25	55.95	1338	1.92	20331	5 6 .		
23	61.46	1470	1.68	20182	6 3 .		
21	67.04	1603	1.45	20448	7 1 .		
18	77.20	1842	0.98	20309	8 0 .		
17	82.25	1967	1.42	20518	9 0 .		
15	94.71	2259	0.98	19193	1 0 0		
14	103.32	2450	1.14	17800	F 0 8 3 0 1 0 0 _ M _ - _ _ 3 . 7 4 A _	158.0	112M
12	116.63	2769	1.01	17800	1 1 2		
11	126.77	3001	0.93	17300	1 2 5		
35	40.76	981	4.30	33061	F 0 9 2 0 4 0 . _ M _ - _ _ 3 . 7 4 A _	208.0	112M
32	44.58	1074	4.01	33042	4 5 .		
29	49.22	1184	3.64	33052	5 0 .		
25	57.58	1381	3.06	33066	5 6 .		
22	63.56	1527	2.77	33033	6 3 .		
21	67.71	1622	2.22	33033	7 1 .		
19	76.14	1821	1.98	33000	8 0 .		
16	87.44	2092	2.01	33050	9 0 .		
14	98.32	2347	1.79	33000	1 0 0		
14	102.48	2433	1.77	33100	F 0 9 3 0 1 0 0 _ M _ - _ _ 3 . 7 4 A _	218.0	112M
13	113.85	2704	1.59	33100	1 1 2		
11	132.34	3127	1.35	33000	1 2 5		
10	147.03	3476	1.21	33000	1 4 0		
8.9	160.82	3808	1.14	33000	1 6 0		
8.0	177.54	4214	1.03	32900	1 8 0		
21	69.24	1659	3.72	43455	F 1 0 2 0 7 1 . _ M _ - _ _ 3 . 7 4 A _	292.0	112M
19	74.39	1790	3.14	43457	8 0 .		
16	87.21	2083	3.48	43443	9 0 .		
15	93.70	2248	3.14	43443	1 0 0		
14	102.80	2444	2.61	43400	F 1 0 3 0 1 0 0 _ M _ - _ _ 3 . 7 4 A _	312.0	112M
12	114.24	2716	2.36	43367	1 1 2		
11	129.50	3066	2.37	43367	1 2 5		
10	143.90	3407	2.13	43351	1 4 0		
8.7	162.91	3873	1.65	43351	1 6 0		
7.6	187.70	4461	1.44	43360	1 8 0		
6.9	205.21	4856	1.49	43290	2 0 0		
6.0	236.45	5593	1.30	43221	2 2 5		
5.6	253.86	6024	1.06	43300	2 5 0		
5.2	272.75	6459	0.99	43200	2 8 0		
4.5	319.79	7561	0.98	43100	3 1 5		
4.1	343.57	8099	0.90	43100	3 5 5		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

3.7 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
190	5.03	181	2.27	8409	F 0 6 2 0 5 . 0 _ M _ - _ _ 3 . 7 6 A _	100.0	132S
152	6.27	226	2.27	8855	6 . 3		
135	7.07	255	2.11	8979	7 . 1		
120	7.93	286	2.03	9174	8 . 0		
107	8.90	321	1.82	9362	9 . 0		
97	9.88	356	2	9684	1 0 .		
84	11.30	409	1.75	9717	1 1 .		
75	12.81	463	1.68	9870	1 2 .		
68	14.09	509	1.56	10165	1 4 .		
60	15.97	575	1.39	10300	1 6 .		
54	17.59	635	0.95	10100	1 8 .		
47	20.46	738	0.9	10200	2 0 .		
44	21.94	790	0.95	10500	2 2 .		
37	25.51	918	0.86	10500	2 5 .		
185	5.15	184	2.29	11544	F 0 7 2 0 5 . 0 _ M _ - _ _ 3 . 7 6 A _	129.0	132S
149	6.42	229	2.29	12107	6 . 3		
134	7.14	256	2.29	12373	7 . 1		
119	8.02	288	2.29	12681	8 . 0		
108	8.81	316	2.29	12978	9 . 0		
96	9.99	358	2.29	13489	1 0 .		
83	11.51	413	2.29	13826	1 1 .		
73	13.09	471	2.29	14221	1 2 .		
67	14.35	514	2.28	14842	1 4 .		
59	16.31	587	2.25	15007	1 6 .		
55	17.48	630	1.92	15041	1 8 .		
48	20.09	722	1.82	15383	2 0 .		
44	21.79	783	1.9	15830	2 2 .		
38	25.04	896	1.75	15677	2 5 .		
33	28.77	1031	1.55	15219	2 8 .		
29	32.53	1166	1.43	15525	3 2 .		
27	35.86	1284	1.34	15666	3 6 .		
24	40.55	1453	1.18	15525	4 0 .		
83	11.52	416	4.27	16710	F 0 8 2 0 1 1 . _ M _ - _ _ 3 . 7 6 A _	170.0	132S
74	12.94	467	3.98	17226	1 2 .		
68	14.14	506	4.16	17700	1 4 .		
60	15.87	572	3.9	18189	1 6 .		
53	17.88	646	3.17	18573	1 8 .		
48	20.81	750	2.88	19157	2 0 .		
44	21.93	791	3.17	19531	2 2 .		
37	25.53	916	2.85	20163	2 5 .		
33	28.58	1027	1.87	20168	2 8 .		
30	32.26	1157	1.62	20067	3 2 .		
27	35.06	1257	1.87	20270	3 6 .		
24	39.58	1416	1.62	20117	4 0 .		
19	50.09	1793	1.12	20242	5 0 .		
17	55.95	1994	1.3	20171	5 6 .		
16	61.46	2194	1.12	19251	6 3 .		
14	67.04	2397	1.01	19500	7 1 .		
34	28.41	1020	4.22	33075	F 0 9 2 0 2 8 . _ M _ - _ _ 3 . 7 6 A _	225.0	132S
30	31.56	1137	3.79	33065	3 2 .		
26	36.69	1318	3.2	33065	3 6 .		
23	40.76	1466	2.88	33031	4 0 .		
21	44.58	1603	2.69	33049	4 5 .		
19	49.22	1767	2.44	33049	5 0 .		
17	57.58	2062	2.04	33029	5 6 .		
15	63.56	2277	1.85	33029	6 3 .		
14	67.71	2424	1.63	33029	7 1 .		
13	76.14	2717	1.35	33029	8 0 .		
11	87.44	3120	1.35	32958	9 0 .		
10	98.32	3503	1.2	32887	1 0 0		
21	44.43	1597	4.01	43441	F 1 0 2 0 4 5 . _ M _ - _ _ 3 . 7 6 A _	309.0	132S
19	51.19	1844	3.47	43444	5 0 .		
17	55.97	2012	3.6	43425	5 6 .		
15	64.49	2304	3.15	43421	6 3 .		
14	69.24	2481	2.49	43421	7 1 .		
13	74.39	2661	2.11	43458	8 0 .		
11	87.21	3114	2.32	43416	9 0 .		
10	93.70	3344	2.11	43375	1 0 0		
9.3	102.80	3657	1.75	43347	F 1 0 3 0 1 0 0 _ M _ - _ _ 3 . 7 6 A _	329.0	132S
8.4	114.24	4062	1.58	43296	1 1 2		
7.4	129.50	4585	1.58	43287	1 2 5		
6.6	143.90	5097	1.43	43287	1 4 0		
5.9	162.91	5791	1.1	43300	1 6 0		
5.1	187.70	6687	0.96	43200	1 8 0		
4.7	205.21	7268	0.99	43100	2 0 0		
4.0	236.45	8348	0.86	43100	2 2 5		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

5.5 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
288	5.03	177	2.33	7723	F 0 6 2 0 5 . 0 _ M _ - _ _ 5 . 5 4 A _	94.0	132S
231	6.27	220	2.22	7947	6 . 3		
205	7.07	250	2.07	7915	7 . 1		
183	7.93	281	1.96	7947	8 . 0		
163	8.90	313	1.85	8088	9 . 0		
147	9.89	348	1.81	8362	1 0 .		
128	11.30	399	1.65	8363	1 1 .		
113	12.81	452	1.55	8500	1 2 .		
103	14.09	496	1.50	8757	1 4 .		
91	15.97	563	1.37	8866	1 6 .		
82	17.59	622	0.97	8660	1 8 .		
71	20.46	723	0.91	8660	2 0 .		
66	21.94	773	0.97	8940	2 2 .		
57	25.51	898	0.89	8880	2 5 .		
281	5.15	179	2.35	10619	F 0 7 2 0 5 . 0 _ M _ - _ _ 5 . 5 4 A _	123.0	132S
226	6.42	224	2.35	11006	6 . 3		
203	7.14	250	2.35	11087	7 . 1		
181	8.02	281	2.35	11200	8 . 0		
165	8.81	309	2.35	11310	9 . 0		
145	9.99	350	2.35	11724	1 0 .		
126	11.51	404	2.35	12000	1 1 .		
111	13.09	460	2.24	12322	1 2 .		
101	14.35	504	2.18	12863	1 4 .		
89	16.31	569	2.04	12975	1 6 .		
83	17.48	612	1.91	12963	1 8 .		
72	20.09	706	1.76	13236	2 0 .		
67	21.79	767	1.72	13604	2 2 .		
58	25.04	879	1.58	13873	2 5 .		
50	28.77	1010	1.41	13828	2 8 .		
45	32.53	1147	1.31	13915	3 2 .		
40	35.86	1260	1.27	14144	3 6 .		
36	40.55	1424	1.17	14002	4 0 .		
32	44.99	1576	1.05	13900	4 5 .		
29	49.27	1729	0.90	13800	5 0 .		
26	56.07	1962	0.88	14000	5 6 .		
24	61.40	2145	0.80	13800	6 3 .		
126	11.52	408	3.96	14491	F 0 8 2 0 1 1 . _ M _ - _ _ 5 . 5 4 A _	164.0	132S
112	12.94	455	3.69	14936	1 2 .		
103	14.14	496	3.76	15359	1 4 .		
91	15.87	558	3.53	15804	1 6 .		
81	17.88	628	2.95	16046	1 8 .		
70	20.81	734	2.65	16563	2 0 .		
66	21.93	768	2.93	16937	2 2 .		
57	25.53	900	2.65	17402	2 5 .		
51	28.58	1000	1.91	17531	2 8 .		
45	32.26	1132	1.66	17863	3 2 .		
41	35.06	1230	1.91	18273	3 6 .		
37	39.58	1385	1.66	18557	4 0 .		
32	45.60	1598	1.32	18361	4 5 .		
29	50.09	1754	1.15	18218	5 0 .		
26	55.95	1954	1.32	18432	5 6 .		
24	61.46	2147	1.15	18218	6 3 .		
22	67.04	2342	0.99	18600	7 1 .		
18	82.25	2873	0.97	18700	9 0 .		
46	31.56	1112	3.87	33053	F 0 9 2 0 3 2 . _ M _ - _ _ 5 . 5 4 A _	219.0	132S
40	36.69	1289	3.27	33030	3 6 .		
36	40.76	1432	2.95	33044	4 0 .		
33	44.58	1569	2.75	33017	4 5 .		
29	49.22	1730	2.49	33031	5 0 .		
25	57.58	2018	2.09	33052	5 6 .		
23	63.56	2231	1.89	33005	6 3 .		
21	67.71	2371	1.52	33005	7 1 .		
19	76.14	2661	1.35	32957	8 0 .		
17	87.44	3057	1.36	33028	9 0 .		
15	98.32	3428	1.23	32957	1 0 0		
28	51.19	1805	3.55	43450	F 1 0 2 0 5 0 . _ M _ - _ _ 5 . 5 4 A _	303.0	132S
26	55.97	1964	3.69	43433	5 6 .		
22	64.49	2265	3.20	43433	6 3 .		
21	69.24	2423	2.55	43419	7 1 .		
19	74.39	2614	2.15	43422	8 0 .		
17	87.21	3043	2.38	43396	9 0 .		
15	93.70	3281	2.15	43396	1 0 0		
14	102.80	3571	1.78	43357	F 1 0 3 0 1 0 0 _ M _ - _ _ 5 . 5 4 A _	323.0	132S
13	114.24	3968	1.61	43310	1 1 2		
11	129.50	4480	1.82	43310	1 2 5		
10	143.90	4978	1.46	43286	1 4 0		
8.9	162.91	5659	1.13	43286	1 6 0		
7.7	187.70	6518	0.98	43300	1 8 0		
7.1	205.21	7095	1.02	43200	2 0 0		
6.1	238.45	8171	0.89	43100	2 2 5		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

5.5 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
191	5.03	268	1.53	7930	F 0 8 2 0 5 . 0 _ M _ - _ _ 5 . 5 6 A _	110.0	132M
153	6.27	334	1.53	8300	6 . 3		
138	7.07	378	1.43	8310	7 . 1		
121	7.93	423	1.37	8420	8 . 0		
106	8.90	475	1.23	8520	9 . 0		
97	9.89	527	1.35	8810	1 0 .		
85	11.30	604	1.19	8650	1 1 .		
75	12.81	685	1.13	8660	1 2 .		
68	14.09	752	1.05	8940	1 4 .		
186	5.15	273	1.55	11151	F 0 7 2 0 5 . 0 _ M _ - _ _ 5 . 5 6 A _	139.0	132M
150	6.42	339	1.55	11632	6 . 3		
135	7.14	379	1.55	11817	7 . 1		
120	8.02	426	1.55	12070	8 . 0		
109	8.81	468	1.55	12306	9 . 0		
96	9.99	530	1.55	12763	1 0 .		
83	11.51	612	1.55	12942	1 1 .		
73	13.09	696	1.55	13213	1 2 .		
67	14.35	760	1.55	13587	1 4 .		
59	16.31	869	1.52	13812	1 6 .		
55	17.48	932	1.30	13695	1 8 .		
48	20.09	1068	1.23	13847	2 0 .		
44	21.79	1157	1.29	14231	2 2 .		
38	25.04	1326	1.18	14015	2 5 .		
33	28.77	1526	1.04	13368	2 8 .		
30	32.53	1725	0.96	13800	3 2 .		
27	35.86	1899	0.91	14000	3 6 .		
24	40.55	2150	0.80	13800	4 0 .		
189	5.09	269	3.16	13415	F 0 8 2 0 5 . 0 _ M _ - _ _ 5 . 5 6 A _	180.0	132M
154	6.24	331	3.16	13847	6 . 3		
133	7.21	382	3.16	14294	7 . 1		
120	8.01	426	3.16	14668	8 . 0		
108	8.91	474	3.16	15100	9 . 0		
98	9.83	521	3.16	15515	1 0 .		
83	11.52	615	2.89	15936	1 1 .		
74	12.94	691	2.69	16342	1 2 .		
68	14.14	748	2.82	16800	1 4 .		
60	15.87	845	2.64	17163	1 6 .		
54	17.88	955	2.15	17357	1 8 .		
48	20.81	1110	1.95	17752	2 0 .		
44	21.93	1169	2.15	18110	2 2 .		
38	25.53	1354	1.93	18521	2 5 .		
34	28.58	1519	1.26	18296	2 8 .		
30	32.26	1711	1.10	18152	3 2 .		
27	35.06	1859	1.26	18440	3 6 .		
24	39.58	2094	1.10	18224	4 0 .		
21	45.60	2412	0.87	17289	4 5 .		
17	55.95	2950	0.87	18300	5 6 .		
34	28.41	1509	2.85	33064	F 0 9 2 0 2 8 . _ M _ - _ _ 5 . 5 6 A _	235.0	132M
30	31.56	1681	2.56	33051	3 2 .		
26	36.69	1950	2.16	33051	3 6 .		
24	40.76	2169	1.95	33003	4 0 .		
22	44.58	2370	1.82	33026	4 5 .		
20	49.22	2613	1.65	33026	5 0 .		
17	57.58	3049	1.38	33000	5 6 .		
15	63.56	3368	1.25	33000	6 3 .		
14	67.71	3584	1.10	33000	7 1 .		
13	76.14	4017	0.91	33000	8 0 .		
11	87.44	4614	0.91	32900	9 0 .		
10	98.32	5180	0.81	32800	1 0 0		
31	31.16	1660	3.85	43460	F 1 0 2 0 3 2 . _ M _ - _ _ 5 . 5 6 A _	319.0	132M
27	35.32	1872	3.87	43441	3 6 .		
24	39.25	2087	3.47	43421	4 0 .		
22	44.43	2362	2.71	43405	4 5 .		
19	51.19	2728	2.35	43411	5 0 .		
17	55.97	2975	2.44	43381	5 6 .		
15	64.49	3408	2.13	43373	6 3 .		
14	69.24	3668	1.68	43373	7 1 .		
13	74.39	3935	1.43	43433	8 0 .		
11	87.21	4604	1.57	43366	9 0 .		
10	93.70	4945	1.43	43300	1 0 0		
9.3	102.80	5407	1.18	43264	F 1 0 3 0 1 0 0 _ M _ - _ _ 5 . 5 6 A _	339.0	132M
8.4	114.24	6006	1.07	43212	1 1 2		
7.4	129.50	6781	1.07	43200	1 2 5		
6.7	143.90	7537	0.96	43200	1 4 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

7.5 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
288	5.03	241	1.71	7300	F 0 6 2 0 5 . 0 _ M _ - _ _ 7 . 5 4 A _	104.0	132M
231	6.27	300	1.63	7450	6 . 3		
205	7.07	341	1.52	7320	7 . 1		
183	7.93	384	1.44	7260	8 . 0		
163	8.90	427	1.36	7340	9 . 0		
147	9.89	475	1.32	7580	1 0 .		
128	11.30	545	1.21	7420	1 1 .		
113	12.81	617	1.13	7410	1 2 .		
103	14.09	677	1.10	7650	1 4 .		
91	15.97	767	1.00	7600	1 6 .		
281	5.15	245	1.72	10268	F 0 7 2 0 5 . 0 _ M _ - _ _ 7 . 5 4 A _	133.0	132M
226	6.42	305	1.72	10586	6 . 3		
203	7.14	341	1.72	10595	7 . 1		
181	8.02	383	1.72	10654	8 . 0		
165	8.81	422	1.72	10710	9 . 0		
145	9.99	477	1.72	11073	1 0 .		
126	11.51	551	1.72	11213	1 1 .		
111	13.09	628	1.64	11427	1 2 .		
101	14.35	687	1.60	11732	1 4 .		
89	16.31	776	1.49	11929	1 6 .		
83	17.46	835	1.40	11776	1 8 .		
72	20.09	962	1.29	11877	2 0 .		
67	21.79	1046	1.26	12191	2 2 .		
58	25.04	1199	1.16	12246	2 5 .		
50	28.77	1378	1.04	11900	2 8 .		
45	32.53	1584	0.96	11700	3 2 .		
40	35.86	1719	0.93	11900	3 6 .		
36	40.55	1941	0.86	11700	4 0 .		
285	5.09	242	3.51	12313	F 0 8 2 0 5 . 0 _ M _ - _ _ 7 . 5 4 A _	174.0	132M
232	6.24	296	3.51	12747	6 . 3		
201	7.21	345	3.51	12882	7 . 1		
181	8.01	384	3.51	13016	8 . 0		
163	8.91	426	3.37	13192	9 . 0		
148	9.83	471	3.33	13450	1 0 .		
126	11.52	553	2.91	13819	1 1 .		
112	12.94	620	2.71	14171	1 2 .		
103	14.14	677	2.76	14546	1 4 .		
91	15.87	761	2.59	14898	1 6 .		
81	17.88	856	2.18	14984	1 8 .		
70	20.81	1001	1.95	15328	2 0 .		
66	21.93	1048	2.15	15687	2 2 .		
57	25.53	1227	1.95	15949	2 5 .		
51	28.58	1364	1.40	15847	2 8 .		
45	32.26	1544	1.22	15949	3 2 .		
41	35.06	1678	1.40	16283	3 6 .		
37	39.58	1889	1.22	16318	4 0 .		
32	45.60	2179	0.97	15800	4 5 .		
29	50.09	2392	0.84	15800	5 0 .		
26	55.95	2665	0.97	15900	5 6 .		
24	61.46	2928	0.84	15800	6 3 .		
51	28.41	1363	3.16	33067	F 0 9 2 0 2 8 . _ M _ - _ _ 7 . 5 4 A _	229.0	132M
46	31.56	1517	2.84	33035	3 2 .		
40	36.69	1758	2.40	33002	3 6 .		
36	40.76	1953	2.16	33022	4 0 .		
33	44.58	2140	2.01	32983	4 5 .		
29	49.22	2359	1.83	33003	5 0 .		
25	57.58	2752	1.53	33033	5 6 .		
23	63.56	3043	1.39	32966	6 3 .		
21	67.71	3233	1.11	32966	7 1 .		
19	76.14	3629	0.99	32900	8 0 .		
17	87.44	4169	1.01	33000	9 0 .		
15	98.32	4675	0.90	32900	1 0 0		
41	35.32	1694	3.81	43439	F 1 0 2 0 3 6 . _ M _ - _ _ 7 . 5 4 A _	313.0	132M
37	39.25	1879	3.56	43439	4 0 .		
33	44.43	2133	3.00	43423	4 5 .		
28	51.19	2461	2.60	43419	5 0 .		
26	55.97	2678	2.71	43392	5 6 .		
22	64.49	3089	2.35	43392	6 3 .		
21	69.24	3305	1.87	43369	7 1 .		
19	74.39	3565	1.57	43375	8 0 .		
17	87.21	4150	1.75	43334	9 0 .		
15	93.70	4474	1.57	43334	1 0 0		
14	102.80	4870	1.31	43300	F 1 0 3 0 1 0 0 _ M _ - _ _ 7 . 5 4 A _	333.0	132M
13	114.24	5411	1.18	43233	1 1 2		
11	129.50	6109	1.19	43233	1 2 5		
10	143.90	6788	1.07	43200	1 4 0		
8.9	162.91	7717	0.83	43200	1 6 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

7.5 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
187	5.15	370	1.14	10627	F 0 7 2 0 5 . 0 _ M _ - _ _ 7 . 5 6 A _	150.0	160 M
150	6.42	460	1.14	10998	6 . 3		
135	7.14	514	1.14	11076	7 . 1		
120	8.02	578	1.14	11255	8 . 0		
109	8.81	635	1.14	11409	9 . 0		
97	9.99	719	1.14	11794	1 0 .		
84	11.51	830	1.14	11763	1 1 .		
74	13.09	944	1.14	11870	1 2 .		
67	14.35	1032	1.14	12181	1 4 .		
59	16.31	1179	1.12	12218	1 6 .		
55	17.48	1264	0.96	11900	1 8 .		
48	20.09	1450	0.90	11800	2 0 .		
44	21.79	1570	0.95	12100	2 2 .		
39	25.04	1799	0.87	11800	2 5 .		
190	5.09	365	2.33	12973	F 0 8 2 0 5 . 0 _ M _ - _ _ 7 . 5 6 A _	189.0	160 M
155	6.24	450	2.33	13321	6 . 3		
134	7.21	518	2.33	13642	7 . 1		
120	8.01	578	2.33	13952	8 . 0		
108	8.91	643	2.33	14300	9 . 0		
98	9.83	707	2.33	14673	1 0 .		
84	11.52	835	2.13	14905	1 1 .		
75	12.94	937	1.98	15163	1 2 .		
68	14.14	1015	2.08	15600	1 4 .		
61	15.87	1147	1.94	15794	1 6 .		
54	17.88	1296	1.58	15736	1 8 .		
46	20.81	1506	1.43	15878	2 0 .		
44	21.93	1587	1.58	16215	2 2 .		
38	25.53	1837	1.42	16331	2 5 .		
34	28.58	2061	0.93	15800	2 8 .		
30	32.26	2322	0.81	15800	3 2 .		
28	35.06	2522	0.93	16000	3 6 .		
24	39.58	2841	0.81	15700	4 0 .		
76	12.68	916	3.87	33100	F 0 9 2 0 1 2 . _ M _ - _ _ 7 . 5 6 A _	251.0	160 M
66	14.66	1057	3.63	33100	1 4 .		
59	16.37	1182	3.39	33100	1 6 .		
55	17.58	1271	3.22	33100	1 8 .		
48	20.04	1448	2.98	33100	2 0 .		
43	22.70	1639	2.57	33100	2 2 .		
37	25.88	1863	2.27	33100	2 5 .		
34	28.41	2048	2.10	33051	2 8 .		
31	31.56	2280	1.89	33032	3 2 .		
26	36.69	2645	1.59	33032	3 6 .		
24	40.76	2942	1.43	32965	4 0 .		
22	44.58	3215	1.34	33000	4 5 .		
20	49.22	3545	1.22	33000	5 0 .		
47	20.46	1479	3.94	43500	F 1 0 2 0 2 0 . _ M _ - _ _ 7 . 5 6 A _	337.0	160 M
42	22.78	1643	3.77	43500	2 2 .		
37	25.77	1859	3.48	43500	2 5 .		
34	28.04	2031	3.15	43415	2 8 .		
31	31.16	2252	2.84	43441	3 2 .		
27	35.32	2539	2.85	43412	3 6 .		
25	39.25	2832	2.56	43382	4 0 .		
22	44.43	3204	2.00	43358	4 5 .		
19	51.19	3701	1.73	43366	5 0 .		
17	55.97	4036	1.80	43322	5 6 .		
15	64.49	4623	1.57	43310	6 3 .		
14	69.24	4976	1.24	43310	7 1 .		
13	74.39	5338	1.05	43400	8 0 .		
11	87.21	6246	1.16	43300	9 0 .		
10	93.70	6709	1.05	43200	1 0 0		
9.4	102.80	7335	0.87	43200	F 1 0 3 0 1 0 0 _ M _ - _ _ 7 . 5 6 A _	337.0	160 M

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

11.0 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
282	5.15	358	1.18	9653	F 0 7 2 0 5 . 0 _ M _ - _ _ 1 1 . 4 A _	155.0	160M
227	6.42	446	1.18	9850	6 . 3		
204	7.14	498	1.18	9734	7 . 1		
182	8.02	560	1.18	9700	8 . 0		
165	8.81	616	1.18	9660	9 . 0		
148	9.99	686	1.18	9833	1 0 .		
126	11.51	806	1.18	9835	1 1 .		
111	13.09	917	1.12	9860	1 2 .		
101	14.35	1004	1.09	10102	1 4 .		
89	16.31	1135	1.02	10100	1 6 .		
83	17.48	1221	0.96	9700	1 8 .		
72	20.09	1407	0.88	9500	2 0 .		
67	21.79	1529	0.86	9720	2 2 .		
286	5.09	354	2.40	11793	F 0 8 2 0 5 . 0 _ M _ - _ _ 1 1 . 4 A _	194.0	160M
233	6.24	433	2.40	12118	6 . 3		
202	7.21	504	2.40	12143	7 . 1		
182	8.01	562	2.40	12168	8 . 0		
163	8.91	623	2.31	12262	9 . 0		
148	9.83	688	2.28	12493	1 0 .		
126	11.52	809	1.99	12643	1 1 .		
112	12.94	907	1.85	12831	1 2 .		
103	14.14	990	1.89	13126	1 4 .		
92	15.87	1113	1.77	13312	1 6 .		
81	17.88	1251	1.48	13126	1 8 .		
70	20.81	1464	1.33	13188	2 0 .		
66	21.93	1531	1.47	13500	2 2 .		
57	25.53	1794	1.33	13406	2 5 .		
51	28.58	1994	0.96	12900	2 8 .		
45	32.26	2257	0.83	12800	3 2 .		
41	35.06	2453	0.96	12800	3 6 .		
37	39.58	2761	0.83	12400	4 0 .		
128	11.35	797	3.75	33100	F 0 9 2 0 1 1 . _ M _ - _ _ 1 1 . 4 A _	256.0	160M
115	12.68	888	3.52	33100	1 2 .		
99	14.66	1026	3.30	33100	1 4 .		
89	16.37	1147	3.09	33100	1 6 .		
83	17.58	1236	2.92	33100	1 8 .		
73	20.04	1411	2.70	33100	2 0 .		
64	22.70	1589	2.55	33100	2 2 .		
56	25.88	1814	2.33	33100	2 5 .		
51	28.41	1993	2.16	33051	2 8 .		
46	31.56	2218	1.94	33002	3 2 .		
40	36.69	2570	1.84	32953	3 6 .		
36	40.76	2855	1.48	32983	4 0 .		
33	44.58	3128	1.36	32925	4 5 .		
30	49.22	3448	1.25	32955	5 0 .		
25	57.58	4022	1.05	33000	5 6 .		
23	63.58	4448	0.95	32900	6 3 .		
81	18.07	1269	3.87	43500	F 1 0 2 0 1 8 . _ M _ - _ _ 1 1 . 4 A _	342.0	160M
71	20.46	1436	3.59	43500	2 0 .		
64	22.76	1594	3.43	43500	2 2 .		
56	25.77	1804	3.17	43500	2 5 .		
52	28.04	1969	2.96	43417	2 8 .		
47	31.16	2185	2.76	43424	3 2 .		
41	35.32	2476	2.61	43398	3 6 .		
37	39.25	2746	2.44	43398	4 0 .		
33	44.43	3118	2.05	43373	4 5 .		
28	51.19	3597	1.78	43366	5 0 .		
26	55.97	3915	1.85	43322	5 6 .		
23	64.49	4515	1.61	43322	6 3 .		
21	69.24	4831	1.28	43284	7 1 .		
20	74.39	5211	1.08	43293	8 0 .		
17	87.21	6066	1.20	43225	9 0 .		
16	93.70	6540	1.08	43225	1 0 0		
14	102.80	7118	0.89	43200	F 1 0 3 0 1 0 0 _ M _ - _ _ 1 1 . 4 A _	342.0	160M
13	114.24	7909	0.81	43100	1 1 2		
11	129.50	8929	0.81	43100	1 2 5		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

11.0 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
190	5.09	536	1.59	12200	F 0 8 2 0 5 . 0 _ M _ - _ _ 1 1 . 6 A _	208.0	160L
155	6.24	660	1.59	12400	6 . 3		
134	7.21	760	1.59	12500	7 . 1		
120	8.01	849	1.59	12700	8 . 0		
106	8.91	943	1.59	12900	9 . 0		
98	9.83	1037	1.59	13200	1 0 .		
84	11.52	1225	1.45	13100	1 1 .		
75	12.94	1375	1.35	13100	1 2 .		
68	14.14	1489	1.42	13500	1 4 .		
61	15.87	1682	1.33	13400	1 6 .		
54	17.88	1901	1.08	12900	1 8 .		
46	20.81	2209	0.98	12600	2 0 .		
44	21.93	2327	1.08	12900	2 2 .		
38	25.53	2694	0.97	12500	2 5 .		
147	6.57	694	3.70	33100	F 0 9 2 0 6 . 3 _ M _ - _ _ 1 1 . 6 A _	270.0	160L
138	7.00	741	3.57	33100	7 . 1		
123	7.85	831	3.39	33100	8 . 0		
110	8.81	934	3.20	33100	9 . 0		
95	10.13	1071	3.01	33100	1 0 .		
85	11.35	1200	2.81	33084	1 1 .		
76	12.68	1344	2.64	33100	1 2 .		
66	14.66	1550	2.48	33075	1 4 .		
59	16.37	1734	2.31	33075	1 6 .		
55	17.58	1864	2.19	33075	1 8 .		
48	20.04	2124	2.03	33068	2 0 .		
43	22.70	2405	1.75	33068	2 2 .		
37	25.88	2732	1.54	33053	2 5 .		
34	28.41	3004	1.43	33027	2 8 .		
31	31.56	3344	1.29	33000	3 2 .		
26	36.69	3880	1.09	33000	3 6 .		
24	40.76	4315	0.98	32900	4 0 .		
84	11.48	1219	3.76	43500	F 1 0 2 0 1 1 . _ M _ - _ _ 1 1 . 6 A _	356.0	160L
78	12.39	1314	3.59	43500	1 2 .		
67	14.46	1529	3.35	43500	1 4 .		
62	15.61	1653	3.20	43484	1 6 .		
53	18.07	1919	2.90	43484	1 8 .		
47	20.46	2169	2.69	43468	2 0 .		
42	22.76	2410	2.57	43468	2 2 .		
37	25.77	2727	2.38	43453	2 5 .		
34	28.04	2960	2.15	43386	2 8 .		
31	31.16	3303	1.94	43407	3 2 .		
27	35.32	3724	1.95	43360	3 6 .		
25	39.25	4153	1.75	43314	4 0 .		
22	44.43	4700	1.36	43276	4 5 .		
19	51.19	5429	1.18	43288	5 0 .		
17	55.97	5920	1.22	43218	5 6 .		
15	64.49	6760	1.07	43200	6 3 .		
14	69.24	7299	0.85	43200	7 1 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

15.0 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
283	5.15	487	0.87	8950	F 0 7 2 0 5 . 0 _ M _ - _ _ 1 5 . 4 A _	168.0	160L
227	6.42	607	0.87	9010	6 . 3		
205	7.14	677	0.87	8750	7 . 1		
182	8.02	762	0.87	8610	8 . 0		
166	8.81	838	0.87	8460	9 . 0		
146	9.99	949	0.87	8630	1 0 .		
127	11.51	1095	0.87	8260	1 1 .		
112	13.09	1247	0.83	8070	1 2 .		
102	14.35	1365	0.81	8240	1 4 .		
287	5.09	482	1.77	11200	F 0 8 2 0 5 . 0 _ M _ - _ _ 1 5 . 4 A _	207.0	160L
234	6.24	589	1.77	11400	6 . 3		
202	7.21	685	1.77	11300	7 . 1		
182	8.01	764	1.77	11200	8 . 0		
164	8.91	847	1.70	11200	9 . 0		
149	9.83	935	1.68	11400	1 0 .		
127	11.52	1100	1.46	11300	1 1 .		
113	12.94	1232	1.36	11300	1 2 .		
103	14.14	1345	1.39	11500	1 4 .		
92	15.87	1512	1.30	11500	1 6 .		
82	17.88	1701	1.09	11000	1 8 .		
70	20.81	1989	0.98	10700	2 0 .		
67	21.93	2081	1.08	11000	2 2 .		
57	25.53	2438	0.98	10500	2 5 .		
222	6.57	625	3.63	33100	F 0 9 2 0 6 . 3 _ M _ - _ _ 1 5 . 4 A _	269.0	160L
209	7.00	666	3.51	33100	7 . 1		
186	7.85	749	3.32	33100	8 . 0		
166	8.81	840	3.14	33100	9 . 0		
144	10.13	963	2.95	33100	1 0 .		
129	11.35	1083	2.76	33088	1 1 .		
115	12.68	1207	2.59	33088	1 2 .		
100	14.66	1395	2.43	33076	1 4 .		
89	16.37	1560	2.28	33084	1 6 .		
83	17.58	1680	2.15	33084	1 8 .		
73	20.04	1917	1.99	33069	2 0 .		
64	22.70	2160	1.86	33057	2 2 .		
56	25.88	2465	1.71	33057	2 5 .		
51	28.41	2709	1.59	33032	2 8 .		
46	31.56	3014	1.43	32965	3 2 .		
40	36.69	3492	1.21	32897	3 6 .		
36	40.76	3880	1.09	32936	4 0 .		
33	44.58	4252	1.01	32858	4 5 .		
30	49.22	4686	0.92	32900	5 0 .		
127	11.48	1094	3.69	43500	F 1 0 2 0 1 1 . _ M _ - _ _ 1 5 . 4 A _	355.0	160L
118	12.39	1183	3.52	43500	1 2 .		
101	14.48	1377	3.29	43500	1 4 .		
94	15.61	1486	3.14	43488	1 6 .		
81	18.07	1725	2.85	43488	1 8 .		
71	20.46	1952	2.64	43476	2 0 .		
64	22.76	2167	2.52	43476	2 2 .		
57	25.77	2452	2.34	43464	2 5 .		
52	28.04	2675	2.17	43380	2 8 .		
47	31.16	2969	2.03	43389	3 2 .		
41	35.32	3364	1.92	43352	3 6 .		
37	39.25	3732	1.79	43352	4 0 .		
33	44.43	4237	1.51	43315	4 5 .		
29	51.19	4889	1.31	43306	5 0 .		
26	55.97	5320	1.36	43241	5 6 .		
23	64.49	6136	1.18	43241	6 3 .		
21	69.24	6585	0.94	43185	7 1 .		
17	87.21	8244	0.88	43100	9 0 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

15.0 kW

6 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
191	5.08	730	3.04	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 1 5 . 6 A _	294.0	160L
148	6.57	942	2.73	33100	6 . 3		
139	7.00	1006	2.63	33100	7 . 1		
124	7.85	1128	2.50	33100	8 . 0		
110	8.81	1268	2.36	33100	9 . 0		
96	10.13	1452	2.22	33100	1 0 .		
85	11.35	1629	2.07	33066	1 1 .		
77	12.68	1823	1.95	33100	1 2 .		
66	14.66	2103	1.83	33048	1 4 .		
59	16.37	2352	1.70	33048	1 6 .		
55	17.58	2529	1.62	33048	1 8 .		
48	20.04	2882	1.50	33031	2 0 .		
43	22.70	3262	1.29	33031	2 2 .		
37	25.88	3706	1.14	33000	2 5 .		
34	28.41	4075	1.06	33000	2 8 .		
190	5.11	733	3.49	43500	F 1 0 2 0 5 . 0 _ M _ - _ _ 1 5 . 6 A _	380.0	180L
151	6.43	922	3.49	43500	6 . 3		
136	7.13	1025	3.49	43500	7 . 1		
125	7.76	1115	3.39	43500	8 . 0		
110	8.81	1270	3.18	43500	9 . 0		
99	9.77	1402	3.04	43500	1 0 .		
85	11.48	1654	2.77	43500	1 1 .		
76	12.39	1782	2.65	43500	1 2 .		
67	14.46	2075	2.47	43500	1 4 .		
62	15.61	2243	2.36	43466	1 6 .		
54	18.07	2603	2.14	43466	1 8 .		
47	20.46	2943	1.98	43433	2 0 .		
43	22.76	3270	1.89	43433	2 2 .		
38	25.77	3699	1.75	43400	2 5 .		
35	28.04	4042	1.58	43310	2 8 .		
31	31.16	4481	1.43	43368	3 2 .		
27	35.32	5052	1.43	43302	3 6 .		
25	39.25	5635	1.29	43236	4 0 .		
22	44.43	6376	1.00	43182	4 5 .		
19	51.19	7365	0.87	43200	5 0 .		
17	55.97	8032	0.90	43100	5 6 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

18.0 kW

	N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	287	5.08	597	3.28	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 1 8 . 4 A _	292.0	180M
	222	6.57	770	2.94	33100	6 . 3		
	209	7.00	822	2.85	33100	7 . 1		
	186	7.85	924	2.69	33100	8 . 0		
	166	8.81	1036	2.55	33100	9 . 0		
	144	10.13	1188	2.39	33100	1 0 .		
	129	11.35	1336	2.24	33077	1 1 .		
	115	12.68	1489	2.10	33077	1 2 .		
	100	14.66	1720	1.97	33055	1 4 .		
	89	16.37	1924	1.85	33071	1 6 .		
	83	17.58	2072	1.74	33071	1 8 .		
	73	20.04	2364	1.61	33042	2 0 .		
	64	22.70	2664	1.52	33021	2 2 .		
	56	25.88	3040	1.39	33021	2 5 .		
	51	28.41	3341	1.29	33016	2 8 .		
	46	31.56	3717	1.16	32932	3 2 .		
	40	36.69	4307	0.96	32848	3 6 .		
	36	40.76	4786	0.88	32900	4 0 .		
	33	44.58	5244	0.82	32800	4 5 .		
	205	7.13	839	3.81	43500	F 1 0 2 0 7 . 1 _ M _ - _ _ 1 8 . 4 A _	378.0	180M
	188	7.76	913	3.86	43500	8 . 0		
	166	8.81	1036	3.43	43500	9 . 0		
	149	9.77	1146	3.29	43500	1 0 .		
	127	11.48	1349	2.99	43500	1 1 .		
	118	12.39	1459	2.86	43500	1 2 .		
	101	14.46	1698	2.67	43500	1 4 .		
	94	15.61	1833	2.55	43477	1 6 .		
	81	18.07	2127	2.31	43477	1 8 .		
	71	20.46	2407	2.14	43455	2 0 .		
	64	22.76	2672	2.05	43455	2 2 .		
	57	25.77	3025	1.89	43433	2 5 .		
	52	28.04	3300	1.76	43347	2 8 .		
	47	31.16	3662	1.65	43359	3 2 .		
	41	35.32	4150	1.56	43312	3 6 .		
	37	39.25	4603	1.45	43312	4 0 .		
	33	44.43	5226	1.22	43265	4 5 .		
	29	51.19	6030	1.06	43253	5 0 .		
	26	55.97	6561	1.10	43170	5 6 .		
	23	64.49	7568	0.96	43170	6 3 .		
6 POLE	191	5.08	901	2.46	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 1 8 . 6 A _	309.0	200L
	148	6.57	1161	2.21	33100	6 . 3		
	139	7.00	1240	2.14	33100	7 . 1		
	124	7.85	1391	2.03	33100	8 . 0		
	110	8.81	1564	1.91	33100	9 . 0		
	96	10.13	1791	1.80	33100	1 0 .		
	85	11.35	2009	1.66	33051	1 1 .		
	77	12.68	2248	1.58	33100	1 2 .		
	66	14.66	2594	1.48	33024	1 4 .		
	59	16.37	2901	1.38	33024	1 6 .		
	55	17.58	3120	1.31	33024	1 8 .		
	48	20.04	3554	1.21	33000	2 0 .		
	43	22.70	4024	1.05	33000	2 2 .		
	190	5.11	904	2.83	43500	F 1 0 2 0 5 . 0 _ M _ - _ _ 1 8 . 6 A _	395.0	200L
	151	6.43	1138	2.83	43500	6 . 3		
	136	7.13	1265	2.83	43500	7 . 1		
	125	7.76	1375	2.75	43500	8 . 0		
	110	8.81	1567	2.58	43500	9 . 0		
	99	9.77	1729	2.47	43500	1 0 .		
	85	11.48	2040	2.24	43500	1 1 .		
	78	12.39	2198	2.15	43500	1 2 .		
	67	14.46	2559	2.00	43500	1 4 .		
	62	15.61	2767	1.91	43451	1 6 .		
	54	18.07	3211	1.73	43451	1 8 .		
	47	20.46	3630	1.61	43402	2 0 .		
	43	22.76	4033	1.53	43402	2 2 .		
	38	25.77	4563	1.42	43353	2 5 .		
	35	28.04	4986	1.28	43261	2 8 .		
	31	31.16	5527	1.16	43334	3 2 .		
	27	35.32	6232	1.16	43251	3 6 .		
	25	39.25	6949	1.04	43168	4 0 .		
	22	44.43	7864	0.81	43100	4 5 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

22.0 kW

	N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	288	5.08	707	2.77	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 2 2 . 4 A _	328.0	180L
	223	6.57	913	2.46	33100	6 . 3		
	209	7.00	974	2.40	33100	7 . 1		
	187	7.85	1095	2.27	33100	8 . 0		
	166	8.81	1228	2.15	33100	9 . 0		
	145	10.13	1408	2.02	33100	1 0 .		
	129	11.35	1584	1.89	33067	1 1 .		
	116	12.68	1765	1.77	33067	1 2 .		
	100	14.66	2039	1.66	33035	1 4 .		
	89	16.37	2280	1.56	33057	1 6 .		
	83	17.58	2456	1.47	33057	1 8 .		
	73	20.04	2802	1.36	33015	2 0 .		
	65	22.70	3157	1.29	32984	2 2 .		
	57	25.88	3603	1.17	32984	2 5 .		
	52	28.41	3959	1.09	33000	2 8 .		
	46	31.56	4406	0.98	32900	3 2 .		
	40	36.69	5104	0.83	32800	3 6 .		
	287	5.11	712	3.59	43500	F 1 0 2 0 5 . 0 _ M _ - _ _ 2 2 . 4 A _	414.0	180L
	228	6.43	893	3.38	43500	6 . 3		
	205	7.13	995	3.21	43500	7 . 1		
	189	7.76	1082	3.09	43500	8 . 0		
	166	8.81	1228	2.90	43500	9 . 0		
	150	9.77	1359	2.77	43500	1 0 .		
	128	11.48	1599	2.53	43500	1 1 .		
	118	12.39	1729	2.41	43500	1 2 .		
	101	14.46	2013	2.25	43500	1 4 .		
	94	15.61	2172	2.15	43467	1 6 .		
	81	18.07	2521	1.95	43467	1 8 .		
	72	20.46	2853	1.80	43435	2 0 .		
	64	22.76	3167	1.73	43435	2 2 .		
	57	25.77	3585	1.60	43402	2 5 .		
	52	28.04	3911	1.49	43314	2 8 .		
	47	31.16	4340	1.39	43329	3 2 .		
	41	35.32	4918	1.31	43272	3 6 .		
	37	39.25	5455	1.23	43272	4 0 .		
	33	44.43	6193	1.03	43215	4 5 .		
	29	51.19	7146	0.90	43200	5 0 .		
	26	55.97	7776	0.93	43100	5 6 .		
	23	64.49	8969	0.81	43100	6 3 .		
6 POLE	191	5.08	1071	2.07	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 2 2 . 6 A _	329.0	200L
	148	6.57	1381	1.86	33100	6 . 3		
	139	7.00	1475	1.80	33100	7 . 1		
	124	7.85	1654	1.70	33100	8 . 0		
	110	8.81	1860	1.61	33100	9 . 0		
	96	10.13	2130	1.51	33100	1 0 .		
	85	11.35	2389	1.41	33035	1 1 .		
	77	12.68	2674	1.33	33100	1 2 .		
	66	14.66	3085	1.24	33000	1 4 .		
	59	16.37	3451	1.16	33000	1 8 .		
	55	17.58	3710	1.10	33000	1 8 .		
	190	5.11	1076	2.38	43500	F 1 0 2 0 5 . 0 _ M _ - _ _ 2 2 . 6 A _	415.0	200L
	151	6.43	1353	2.38	43500	6 . 3		
	136	7.13	1504	2.38	43500	7 . 1		
	125	7.76	1636	2.31	43500	8 . 0		
	110	8.81	1863	2.17	43500	8 . 0		
	99	9.77	2056	2.08	43500	1 0 .		
	85	11.48	2426	1.89	43500	1 1 .		
	78	12.39	2614	1.80	43500	1 2 .		
	67	14.46	3043	1.69	43500	1 4 .		
	62	15.61	3290	1.61	43435	1 6 .		
	54	18.07	3818	1.46	43435	1 8 .		
	47	20.46	4317	1.35	43371	2 0 .		
	43	22.76	4796	1.29	43371	2 2 .		
	38	25.77	5426	1.19	43306	2 5 .		
	35	28.04	5929	1.08	43212	2 8 .		
	31	31.16	6573	0.97	43300	3 2 .		
	27	35.32	7411	0.96	43200	3 6 .		
	25	39.25	8264	0.88	43100	4 0 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

30.0 kW

	N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
4 POLE	289	5.08	961	2.04	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 3 0 . 4 A _	352.0	200L
	224	6.57	1241	1.83	33100	6 . 3		
	210	7.00	1323	1.77	33100	7 . 1		
	187	7.85	1488	1.67	33100	8 . 0		
	167	8.81	1669	1.56	33100	9 . 0		
	145	10.13	1914	1.48	33100	1 0 .		
	130	11.35	2152	1.39	33044	1 1 .		
	116	12.68	2399	1.30	33044	1 2 .		
	100	14.66	2771	1.22	32988	1 4 .		
	90	16.37	3098	1.15	33026	1 6 .		
	84	17.58	3338	1.08	33026	1 8 .		
	73	20.04	3806	1.00	32953	2 0 .		
	65	22.70	4290	0.95	32900	2 2 .		
	57	25.88	4897	0.86	32900	2 5 .		
	288	5.11	968	2.64	43500	F 1 0 2 0 5 . 0 _ M _ - _ _ 3 0 . 4 A _	438.0	200L
	229	6.43	1214	2.49	43500	6 . 3		
	206	7.13	1352	2.37	43500	7 . 1		
	189	7.76	1470	2.27	43500	8 . 0		
	167	8.81	1669	2.13	43500	9 . 0		
	150	9.77	1847	2.04	43500	1 0 .		
	128	11.48	2173	1.86	43500	1 1 .		
	119	12.39	2350	1.77	43500	1 2 .		
	102	14.46	2735	1.66	43500	1 4 .		
	94	15.61	2952	1.58	43444	1 6 .		
	81	18.07	3426	1.43	43444	1 8 .		
	72	20.46	3877	1.33	43388	2 0 .		
	65	22.76	4304	1.27	43388	2 2 .		
	57	25.77	4872	1.18	43332	2 5 .		
	52	28.04	5315	1.09	43240	2 8 .		
	47	31.16	5896	1.02	43260	3 2 .		
	42	35.32	6684	0.97	43180	3 6 .		
	37	39.25	7414	0.90	43180	4 0 .		
6 POLE	192	5.08	1453	1.53	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 3 0 . 6 A _	414.0	225M
	148	6.57	1874	1.37	33100	6 . 3		
	139	7.00	2001	1.32	33100	7 . 1		
	124	7.85	2245	1.26	33100	8 . 0		
	111	8.81	2523	1.18	33100	9 . 0		
	96	10.13	2890	1.11	33100	1 0 .		
	86	11.35	3241	1.04	33000	1 1 .		
	191	5.11	1459	1.75	43500	F 1 0 2 0 5 . 0 _ M _ - _ _ 3 0 . 6 A _	500.0	225M
	152	6.43	1836	1.75	43500	6 . 3		
	137	7.13	2041	1.75	43500	7 . 1		
	126	7.76	2219	1.70	43500	8 . 0		
	111	8.81	2528	1.60	43500	9 . 0		
	100	9.77	2790	1.53	43500	1 0 .		
	85	11.48	3291	1.39	43500	1 1 .		
	79	12.39	3547	1.33	43500	1 2 .		
	67	14.46	4128	1.24	43500	1 4 .		
	62	15.61	4464	1.18	43400	1 6 .		
	54	18.07	5180	1.07	43400	1 8 .		
	48	20.46	5857	1.00	43300	2 0 .		
	43	22.76	6506	0.95	43300	2 2 .		
	38	25.77	7361	0.88	43200	2 5 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

37.0 kW

4 POLE

N2 R/MIN	I	M2 Nm	Fm	N	UNIT DESIGNATION	Kg	
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry [1] Through [20] Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
290	5.08	1182	1.66	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 3 7 . 4 A _	405.0	225S
225	6.57	1526	1.49	33100	6 . 3		
211	7.00	1627	1.44	33100	7 . 1		
188	7.85	1829	1.36	33100	8 . 0		
167	8.81	2051	1.29	33100	9 . 0		
146	10.13	2353	1.21	33100	1 0 .		
130	11.35	2646	1.13	33023	1 1 .		
116	12.68	2949	1.06	33023	1 2 .		
101	14.66	3406	1.00	32947	1 4 .		
90	16.37	3808	0.93	33000	1 6 .		
84	17.58	4103	0.88	33000	1 8 .		
74	20.04	4661	0.81	32900	2 0 .		
289	5.11	1190	2.15	43500	F 1 0 2 0 5 . 0 _ M _ - _ _ 3 7 . 4 A _	491.0	225S
229	6.43	1492	2.02	43500	6 . 3		
207	7.13	1662	1.92	43500	7 . 1		
190	7.76	1807	1.85	43500	8 . 0		
167	8.81	2052	1.73	43500	9 . 0		
151	9.77	2270	1.66	43500	1 0 .		
129	11.48	2671	1.51	43500	1 1 .		
119	12.39	2889	1.44	43500	1 2 .		
102	14.46	3362	1.35	43500	1 4 .		
94	15.61	3629	1.29	43423	1 6 .		
82	18.07	4212	1.17	43423	1 8 .		
72	20.46	4766	1.08	43347	2 0 .		
65	22.76	5291	1.03	43347	2 2 .		
57	25.77	5988	0.96	43270	2 5 .		
53	28.04	6533	0.89	43174	2 8 .		
47	31.16	7250	0.83	43200	3 2 .		

45.0 kW

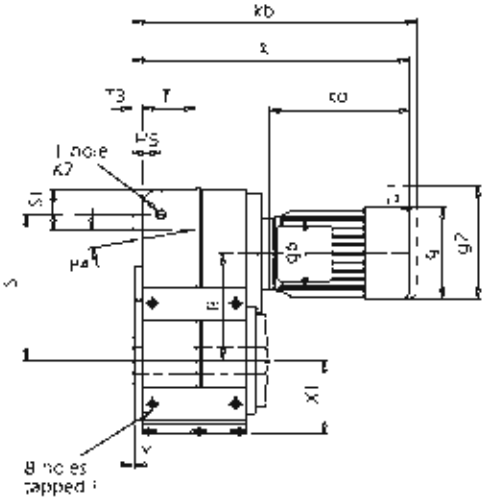
4 POLE

290	5.08	1437	1.36	33100	F 0 9 2 0 5 . 0 _ M _ - _ _ 4 5 . 4 A _	423.0	225M
225	6.57	1856	1.22	33100	6 . 3		
211	7.00	1979	1.18	33100	7 . 1		
188	7.85	2225	1.12	33100	8 . 0		
167	8.81	2495	1.06	33100	9 . 0		
146	10.13	2861	0.99	33100	1 0 .		
130	11.35	3218	0.93	33000	1 1 .		
116	12.68	3587	0.87	33000	1 2 .		
101	14.66	4142	0.82	32900	1 4 .		
289	5.11	1448	1.77	43500	F 1 0 2 0 5 . 0 _ M _ - _ _ 4 5 . 4 A _	509.0	225M
229	6.43	1815	1.66	43500	6 . 3		
207	7.13	2022	1.58	43500	7 . 1		
190	7.76	2198	1.52	43500	8 . 0		
167	8.81	2495	1.43	43500	9 . 0		
151	9.77	2761	1.37	43500	1 0 .		
129	11.48	3249	1.24	43500	1 1 .		
119	12.39	3513	1.19	43500	1 2 .		
102	14.46	4089	1.11	43500	1 4 .		
94	15.61	4414	1.06	43400	1 6 .		
82	18.07	5122	0.96	43400	1 8 .		
72	20.46	5796	0.89	43300	2 0 .		
65	22.76	6435	0.85	43300	2 2 .		

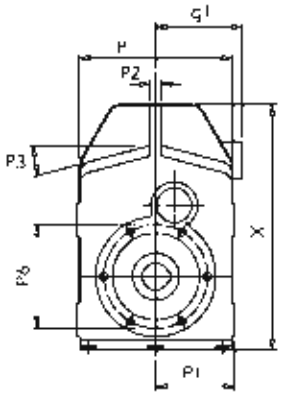
NOTE

Other output speeds are available using 2 and 8 pole motors - Consult Power Build Limited

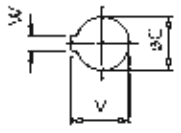
F			2	0				W	M	STANDARD UNIT



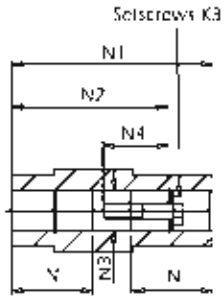
Inputshaft centreline on same axis as outputshaft centreline

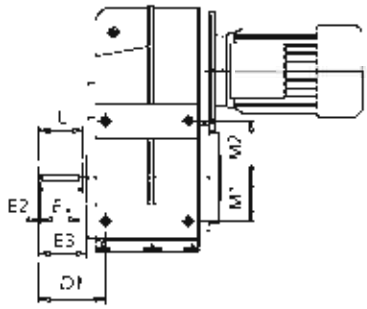


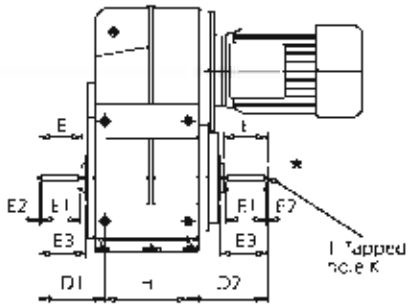
kb - for brake motors
g2 - hold release if required



View on output shaft bore

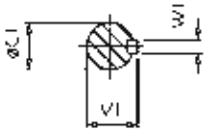






* Ensure sufficient clearance beneath the motor is available when fitting ancillary equipment to this shaft

Double extended outputshaft is not available on F1020



Output Shaft

● For shaft/sleeve tolerance refer to output shaft options table pages 13 and 14

SIZE	B	øC●	øC1●	D1	D2	E	E1	E2	E3	F	H	H5	K	øK2	K3	M1	M2	N
F0420	120	30	30	85	97	57	50	3	81	M10x1.5x17	90	32	M10x1.5x22	14	M10x50L	50	60	67.5
F0620	160	40	35	99	118	86	59	3	71	M12x1.75x20	125	41	M16x2x36	14	M16x70L	65	85	90
F0720	200	50	50	121	146	86	80	3	91	M16x2x25	150	50	M16x2x36	22	M16x70L	85	115	105
F0820	226	60	60	155	180	114	100	3	120	M16x2x24	170	62	M20x2.5x42	22	M20x80L	100	100	117.5
F0920	274	70	70	179	218	135	110	3	141	M16 x 2Px24	215	70	M20 x 2.5x42	27	M20x80L	125	225	147.5
F1020	332	80	90	213.5	-	172	140	5	172	M20 x 2Px27	250	88	M20 x 2.5x42	27	M20x80L	158	272	165

SIZE	N1	N2	øN3	N4	P	P1	P2	P3	P4	P6	S	S1	T	T3	V	V1	W	W1	X	X1	Y
F0420	150	122	30.2	42	166	88	12	11°	10°	4 holes, M8x1.25 x14, 130 pcd	170	50	55	13	33.5	33	8	8	282	85	3
F0620	200	156	40.2	60	226	118	16	15°	10°	6 holes, M12x1.75 x20, 150 pcd	216	59	80	13	43.5	38	12	10	367	110	2
F0720	235	183	50.2	60	266	140	20	20°	11°	6 holes, M12x1.75 x20, 150 pcd	278	68	95	13	54	53.5	14	14	449	134	2
F0820	285	210	60.2	66	320	170	26	20°	11°	8 holes, M12x1.75 x20, 195 pcd	346	79	105	15	64.5	64	18	18	526	148	3
F0920	330	270	70.2	66	384	200	30	20°	11°	6 holes, M16x2P x27, 230 pcd	395	100	131	19	75	74.5	20	20	612	175	5
F1020	370	313	80.2	66	454	235	36	17°	10°	10 holes, M16x2P x27, 280 pcd	485	136	152	19.5	85	95	22	25	748	216	5.5

MOTORS		ALL SIZES					F0420		F0620		F0720		F0820		F0920		F1020	
		ko	g	g1	g2	g6	k	kb	k	kb	k	kb	k	kb	k	kb	k	kb
MOTOR FRAME SIZE	63	185	122	101	160	140	322	364	382	424	-	-	-	-	-	-	-	-
	71	210	137	107	167	105	351	392	413	454	-	-	-	-	-	-	-	-
	80	230	158	118	190	120	386	436	433	483	474	524	525	575	584	634	-	-
	90S/L	270	177	148	218	140	436	495	482	541	524	583	565	624	624	683	-	-
	100/112	340	197	159	238	160	514	582	596	664	617	685	641	709	700	768	729.5	797.5
	132	402	253	184	269	200	-	-	660	731	681	752	703	774	762	833	791.5	862.5
	160M/L	538	314	230	*	350	-	-	-	-	647	*	669	*	933	*	982.5	*
	180L	613	354	257	*	350	-	-	-	-	-	-	-	-	1006	*	1037.5	*
	200L	613	354	257	*	400	-	-	-	-	-	-	-	-	1006	*	1037.5	*
	225S/M	690	411	280	*	450	-	-	-	-	-	-	-	-	1112	*	1141.5	*

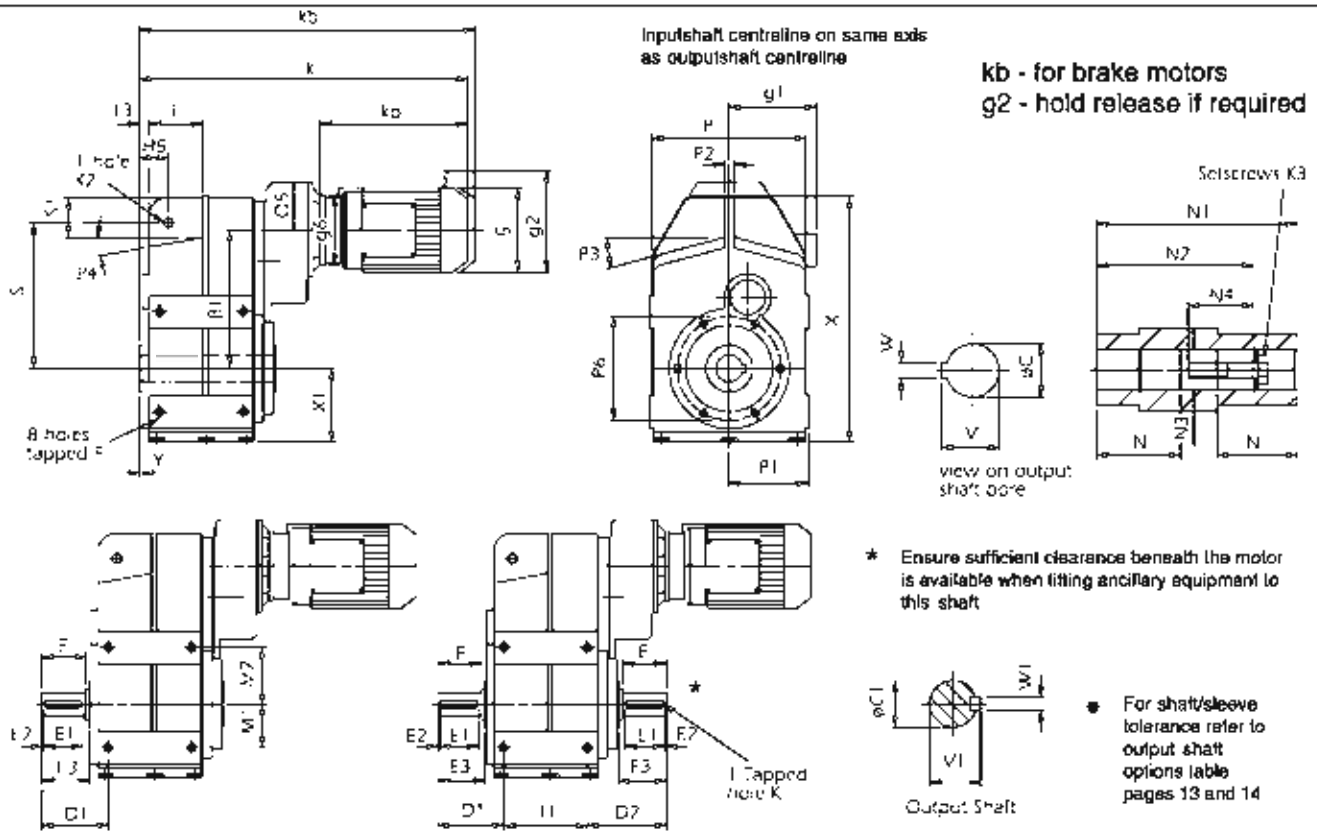
* Consult Power Build Ltd.

Dimension kb, k, ko,g,g1 and g2 may vary as per make of motor.

DIMENSIONS
TRIPLE REDUCTION SIZES F04, F06 & F07

F	0		3	0			W	M

STANDARD UNIT TRIPLE REDUCTION



SIZE	B1	øC *	øC1 *	D1	D2	E	E1	E2	E3	F	H	H5	K	øK2	K3	M1	M2	N
F0430	166	30	30	85	97	57	50	3	61	M10x1.5x17	90	32	M10x1.5x22	14	M10x50L	50	80	87.5
F0630	207	40	36	99	118	66	56	3	71	M12x1.75x20	125	41	M16x2x36	14	M16x70L	65	85	90
F0730	260	50	50	121	148	86	80	3	91	M16x2x25	150	50	M16x2x36	22	M16x70L	85	115	105

SIZE	N1	N2	øN3	N4	P	P1	P2	P3	P4	P6	O5	S	S1	T	T3	V	V1	W	W1	X	X1	Y
F0430	150	122	30.2	42	166	88	12	11°	10°	4 holes, M8x1.25x14, 130 pcd	70	170	50	55	13	33.5	33	8	8	282	85	3
F0630	200	156	40.2	60	226	118	16	15°	10°	6 holes, M12x1.75x20, 150 pcd	70	218	59	80	13	43.5	38	12	10	367	110	2
F0730	235	183	50.2	60	266	140	20	20°	11°	6 holes, M12x1.75x20, 150 pcd	90	278	68	95	13	54	53.5	14	14	449	134	2

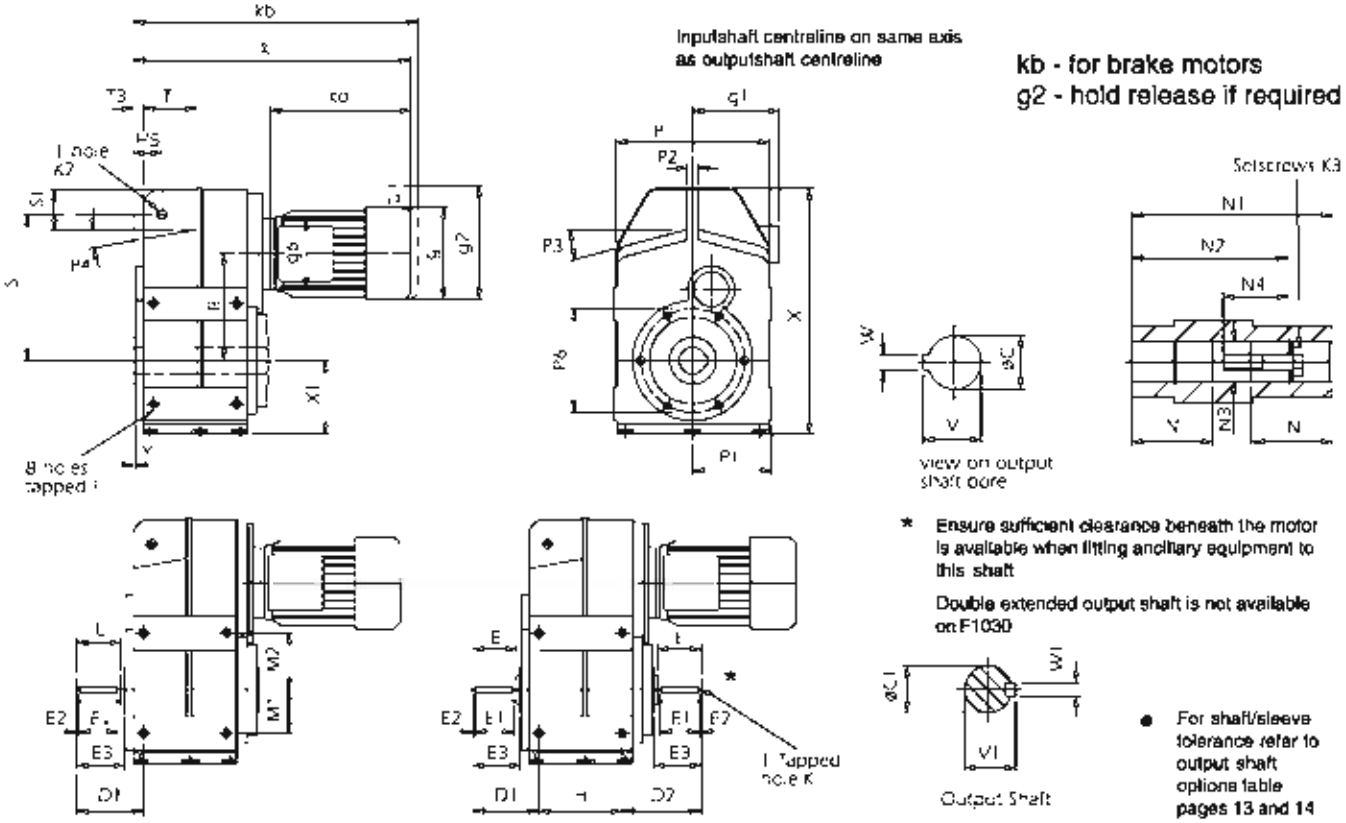
MOTORS		ALL SIZES					F0430		F0630		F0730	
		ko	g	g1	g2	g6	k	kb	k	kb	k	kb
MOTOR FRAME SIZE	63	185	122	101	160	140	378	420	449	491	503	545
	71	210	137	107	167	105	407	448	478	519	534	575
	80	230	158	118	190	120	442	492	513	563	554	604
	90S/L	270	177	149	218	140	-	-	563	622	603	662
	100/112	340	197	159	238	160	-	-	641	709	717	785
	132	402	253	184	288	200	-	-	-	-	781	852

Dimension kb, k, ko,g,g1 and g2 may vary as per make of motor.

DIMENSIONS
TRIPLE REDUCTION SIZES F08, F09 & F10

F			3	0			W	M

STANDARD UNIT



kb - for brake motors
g2 - hold release if required

* Ensure sufficient clearance beneath the motor is available when fitting ancillary equipment to this shaft

Double extended output shaft is not available on F1030

● For shaft/sleeve tolerance refer to output shaft options table pages 13 and 14

SIZE	B	øC*	øC1*	D1	D2	E	E1	E2	E3	F	H	H5	K	øK2	K3	M1	M2
F0830	226	60	60	155	180	114	100	3	120	M16 x 2 24 Deep	170	62	M20 x 2.5 42 Deep	22	M20 x 80L	100	100
F0930	274	70	70	179	218	135	110	3	141	M16 x 2P 24 Deep	215	70	M20 x 2.5P 42 Deep	27	M20 x 80L	125	225
F1030	332	80	90	213.5	-	172	140	5	172	M20 x 2P 27 Deep	250	88	M20 x 2.5P 42 Deep	27	M20 x 80L	158	272

SIZE	N	N1	N2	øN3	N4	P	P1	P2	P3	P4	P6	S	S1	T	T3	V	V1	W	W1	X	X1	Y
F0830	117.5	265	210	60.2	66	320	170	26	20°	11°	8 holes, M12x1.75x20, 195 pcd	346	79	105	15	64.5	64	18	18	526	148	3
F0930	147.5	330	270	70.2	66	384	200	30	20°	11°	6 holes, M16x2Px27, 230 pcd	395	100	131	19	75	74	20	20	612	175	5
F1030	165	370	313	80.2	66	454	235	36	17°	10°	10 holes, M16x2Px27, 280 pcd	485	136	152	19.5	85	95	22	25	748	216	5.5

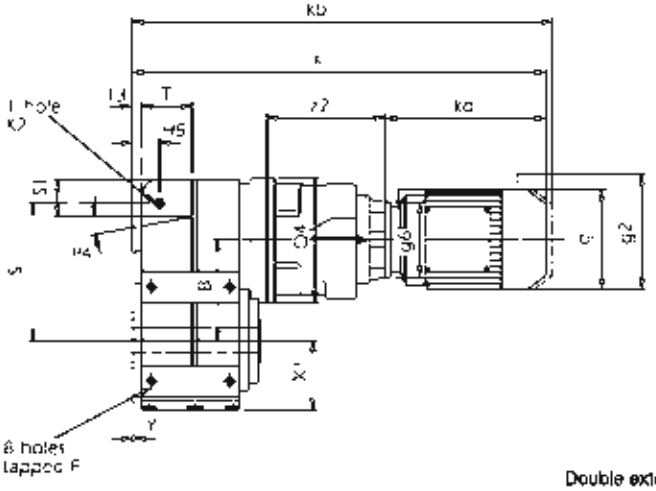
MOTORS		ALL SIZES					F0830		F0930		F1030	
		ko	g	g1	g2	g6	k	kb	k	kb	k	kb
MOTOR FRAME SIZE	80	230	156	116	190	200	532	582	610	660	670.5	720.5
	90S/L	270	177	149	218	200	582	641	650	709	710.5	769.5
	100/112	340	197	159	238	250	675	743	726	794	786.5	854.5
	132S/M	402	253	184	268	300	739	810	-	-	846.5	919.5
	160M/L/180M	538	314	230	*	350	905	*	-	-	1019.5	*
	180L	613	354	257	*	350	-	*	-	-	1094.5	*

* Consult Power Build Ltd.

Dimension kb, k, ko,g,g1 and g2 may vary as per make of motor.

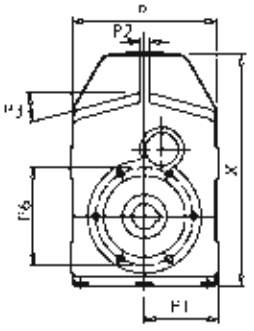
DIMENSIONS
QUADRUPLE REDUCTION

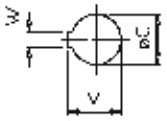
F			4	0			W	M	STANDARD UNIT



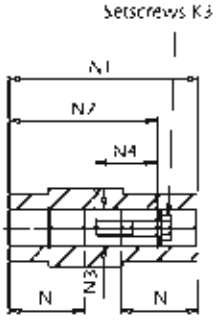
Inputshaft centreline on same axis as outputshaft centreline

kb - for brake motors
g2 - hold release if required

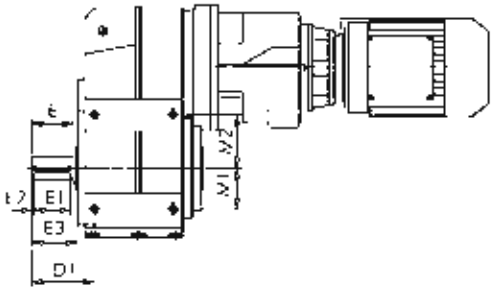


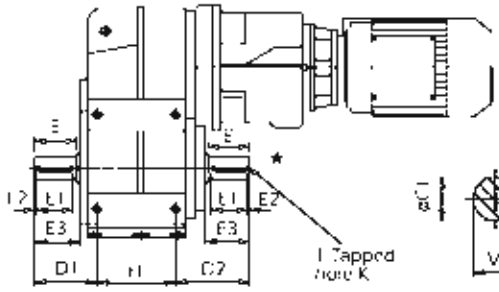


view on output shaft bore

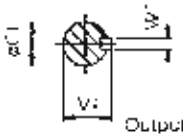


Double extended outputshaft is not available on F1040





* Ensure sufficient clearance beneath the motor is available when fitting ancillary equipment to this shaft



● For shaft/sleeve tolerance refer to output shaft options table pages 13 and 14

SIZE	B	øC●	øC1●	D1	D2	E	E1	E2	E3	F	H	H5	K	øK2	K3	M1	M2	N
F0640	160	40	35	99	118	66	58	3	71	M12x1.75x20	125	41	M16x2x36	14	M16x70L	65	85	90
F0740	200	50	50	121	146	86	80	3	91	M16x2x25	150	50	M16x2x36	22	M16x70L	85	115	105
F0840	226	60	60	155	180	114	100	3	120	M16x2x24	170	62	M20x2.5x42	22	M20x80L	100	100	117.5
F0940	274	70	70	179	218	135	110	3	141	M16 x 2Px42	215	70	M20 x 2.5Px42	27	M20x80L	125	225	147.5
F1040	332	80	90	213.5	-	172	140	5	172	M20 x 2Px27	250	88	M20 x 2.5Px42	27	M20x80L	156	272	165

SIZE	N1	N2	øN3	N4	P	P1	P2	P3	P4	P6	Q4	S	S1	T	T3	V	V1	W	W1	X	X1	Y
F0640	200	158	40.2	60	226	118	18	15°	10°	6 holes, M12x1.75 x20,150 pcd	200	218	59	80	13	43.5	40	12	10	367	110	2
F0740	235	183	50.2	60	266	140	20	20°	11°	6 holes, M12x1.75 x20, 150 pcd	200	278	68	95	13	54	58.5	14	14	449	134	2
F0840	265	210	60.2	66	320	170	26	20°	11°	8 holes, M12x1.75 x20, 195 pcd	250	346	78	105	15	64.5	71	18	18	526	148	3
F0940	330	270	70.2	66	384	200	30	20°	11°	6 holes, M16x2P x27, 230 pcd	300	395	100	131	19	75	74	20	20	612	175	5
F1040	370	313	60.2	66	454	235	36	17°	10°	10 holes, M16x2P x27, 280 pcd	350	485	136	152	19.5	85	95	22	25	748	216	5.5

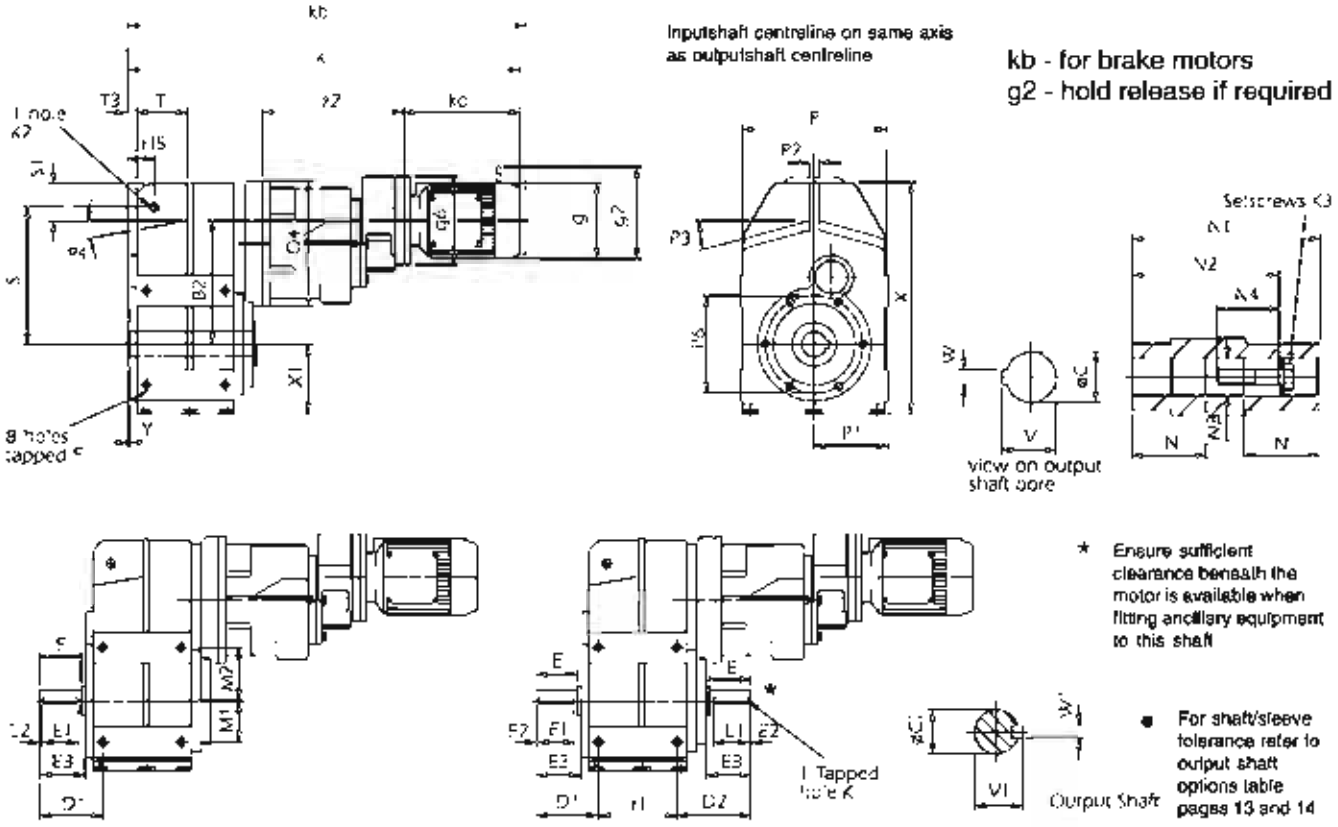
MOTORS		ALL SIZES					F0640			F0740			F0840			F0940			F1040		
		ko	g	g1	g2	g6	k	kb	z2	k	kb	z2	k	kb	z2	k	kb	z2	k	kb	z2
MOTOR FRAME SIZE	63	185	122	101	160	140	556	606	169	606	650	169	696	738	210	-	-	-	-	-	-
	71	210	137	107	167	105	595	636	173	637	678	173	727	769	216	-	-	-	-	-	-
	80	230	158	118	190	120	630	680	186	672	722	186	747	797	216	869	909	269	996.5	1046.5	342
	90S/L	270	177	149	218	140	680	739	198	722	781	196	796	855	225	909	968	279	1039.5	1095.5	342
	100/112	340	197	159	238	160	-	-	-	800	868	206	910	979	269	1002	1070	302	1112.5	1180.5	348
	132	402	253	184	288	200	-	-	-	-	-	-	-	-	-	1068	1137	304	1174.5	1245.5	348
	160	538	314	230	*	350	-	-	-	-	-	-	-	-	-	1232	*	334	1340.5	*	378

Dimension kb, k, ko,g,g1 and g2 may vary as per make of motor.

* Consult Power Build Ltd.

DIMENSIONS
QUINTUPLE REDUCTION SIZES F06 & F07

F	0		5	0				W	M	STANDARD UNIT QUINTUPLE REDUCTION



* Ensure sufficient clearance beneath the motor is available when fitting ancillary equipment to this shaft

● For shaft/sleeve tolerance refer to output shaft options table pages 13 and 14

SIZE	B2	øC●	øC1●	D1	D2	E	E1	E2	E3	F	H	H5	K	øK2	K3	M1	M2	N
F0650	196	40	35	99	118	88	58	3	71	M12x1.75x20	125	41	M16x2x36	14	M16x70L	85	85	90
F0750	236	50	50	121	148	88	80	3	91	M16x2x25	150	50	M16x2x36	22	M16x70L	85	115	105

SIZE	N1	N2	øN3	N4	P	P1	P2	P3	P4	P8	Q4	S	S1	T	T3	V	V1	W	W1	X	X1	Y
F0650	200	156	40.2	66	226	118	16	15°	10°	6 holes, M12x1.75x20, 150 pcd	200	218	59	80	13	43.5	38	12	10	367	110	2
F0750	235	183	50.2	78	266	140	20	20°	11°	6 holes, M12x1.75x20, 150 pcd	200	278	68	95	13	54	58.5	14	14	449	134	2

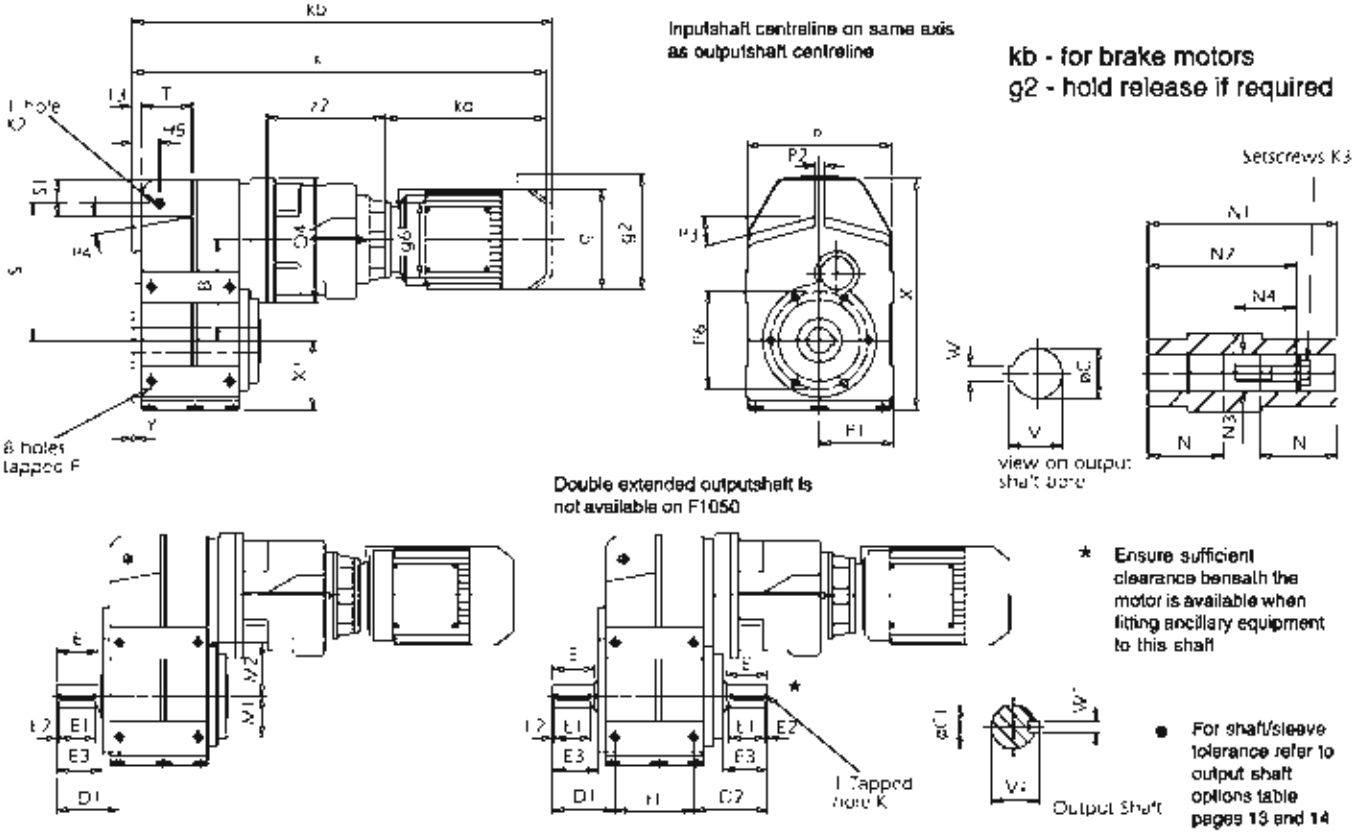
MOTORS		ALL SIZES					F0650			F0750		
		ko	g	g1	g2	g6	k	kb	z2	k	kb	z2
MOTOR FRAME SIZE	63	185	122	101	160	140	622	564	225	564	706	225
	71	210	137	107	167	105	651	692	229	693	734	229

Dimension kb, k, ko,g,g1 and g2 may vary as per make of motor.

DIMENSIONS

QUINTUPLE REDUCTION SIZES F08, F09 & F10

F			5	0			W	M	STANDARD UNIT



SIZE	B	øC*	øC1*	D1	D2	E	E1	E2	E3	F	H	H5	K	øK2	K3	M1	M2	N
F0850	226	60	60	155	180	114	100	3	120	M16x2x24	170	62	M20x2.5x42	22	M20x60L	100	100	117.5
F0950	274	70	70	179	218	135	110	3	141	M16 x 2P x 24	215	70	M20x2.5Px42	27	M20	126	225	147.5
F1050	332	80	90	213.5	-	172	140	5	172	M20 x 2P x 27	250	88	M20x2.5Px42	27	M24	158	272	165

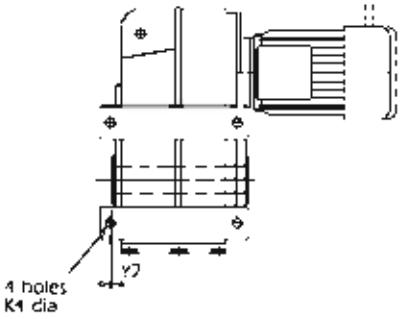
SIZE	N1	N2	øN3	N4	P	P1	P2	P3	P4	P6	Q4	S	S1	T	T3	V	V1	W	W1	X	X1	Y
F0850	285	210	80.2	66	320	170	26	20°	11°	6 holes, M12x1.75x20, 195 pcd	250	346	79	105	15	64.5	64	18	18	526	148	3
F0950	330	270	70.2	66	384	200	30	20°	11°	6 holes, M16x2Px27, 230 pcd	200	395	100	131	19	75	74.5	20	20	612	175	5
F1050	370	313	80.2	66	454	235	36	17°	10°	10 holes, M16x2Px27, 200 pcd	200	485	136	152	19.5	85	95	22	25	748	216	5.5

MOTORS		ALL SIZES					F0850			F0950			F1050		
		ko	g	g1	g2	g6	k	kb	z2	k	kb	z2	k	kb	z2
MOTOR FRAME SIZE	63	185	122	101	160	140	666	708	169	734	776	169	794.5	836.5	169
	71	210	137	107	167	105	695	736	173	763	804	173	823.5	864.5	173
	80	230	156	116	190	120	730	780	188	798	848	188	858.5	908.5	188
	90S/L	270	177	149	218	140	780	839	198	848	907	198	908.5	967.5	198
	100/112	340	197	159	238	160	858	926	206	926	994	206	986.5	1054.5	206

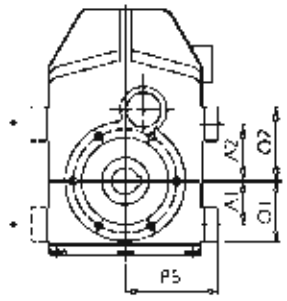
Dimension kb, k, ko,g,g1 and g2 may vary as per make of motor.

F				0				B	M

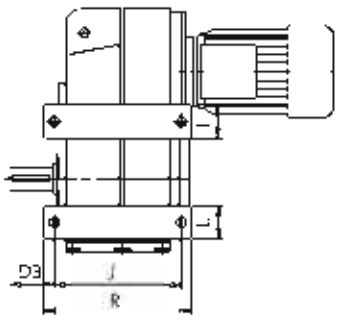
STANDARD UNIT WITH FEET



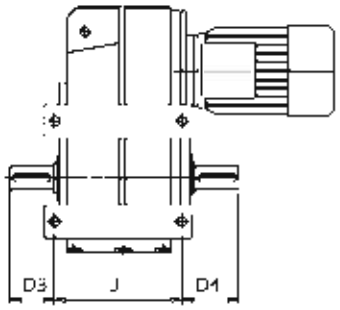
Inputshaft centreline on same axis as outputshaft centreline



* Alternative feet position



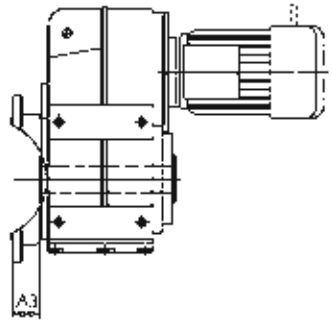
Double extended outputshaft is not available on size F10



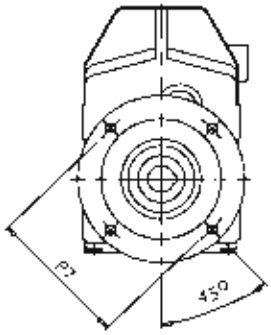
SIZE	A1	A2	D3	D4	J	K4	L	P5	Q1	Q2	R	Y2
F04	50	60	80	72	140	11	35	108	67.5	77.5	165	1
F06	65	85	66.5	85.5	190	14	50	140	90	110	220	4.5
F07	85	115	81	106	230	17.5	60	170	115	145	265	10
F08	100	110	112.5	137.5	255	17.5	60	200	130	130	290	7.5
F09	125	225	136.5	175.5	300	17.5	60	230	155	255	335	4.5
F10	158	272	163.5	-	350	22	75	270	195.5	309.5	400	8.5

F				0				F	M

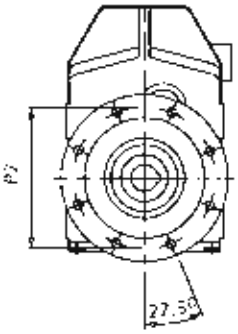
STANDARD UNIT WITH FLANGE



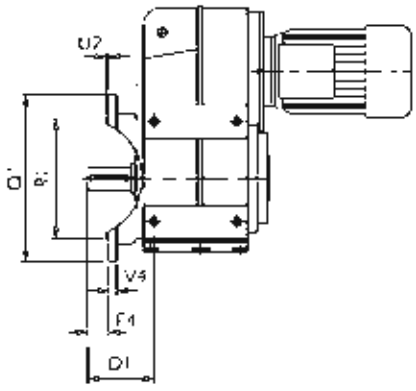
Inputshaft centreline on same axes as outputshaft centreline



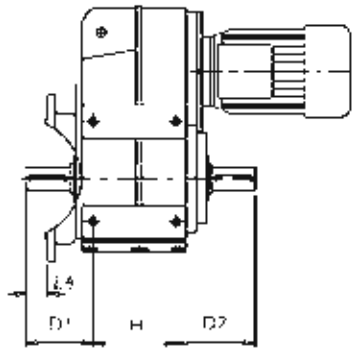
Sizes
F04, F06, F07 & F08



Sizes
F09 & F10



Double extended outputshaft is not available on size F10

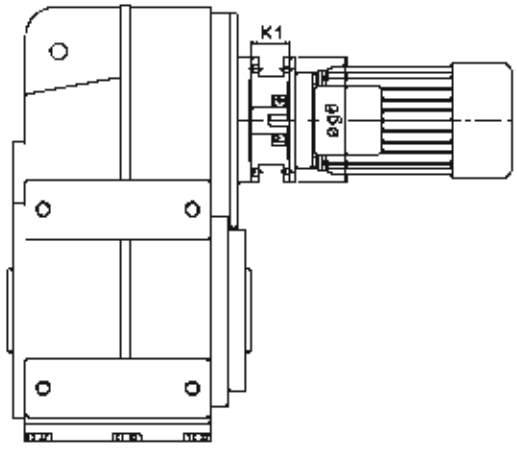


SIZE	A3	D1	D2	E4	H	P7	øQ1	øR1	U2	V4
F04	42	85	97	19	90	4 holes, 11 dia on a 165 pcd	200	130 j6	3.5	12
F06	39.5	99	116	31.5	125	4 holes, 14 dia on a 215 pcd	250	180 j6	4	12
F07	39.5	121	146	51.5	150	4 holes, 14 dia on 215 pcd	250	180 j6	4	12
F08	47	155	180	73	170	4 holes, 18 dia on a 300 pcd	350	250 h6	5	18
F09	51	179	216	90	215	8 holes, 18 dia on a 400 pcd	450	350 h6	5	20
F10	60	213.5	-	112	250	8 holes, 18 dia on a 400 pcd	450	350 h6	5	22

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



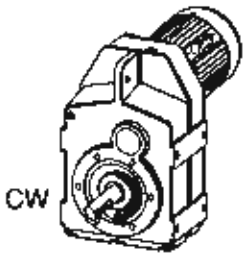
IEC B5 FLANGE

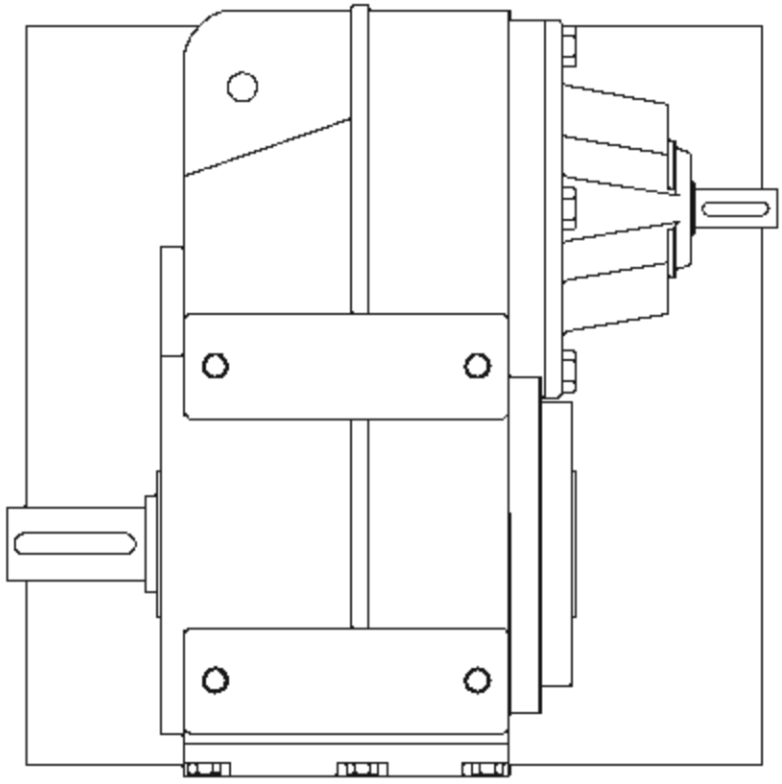
Motor Frame Size	Lift off Speed ('n' min) (rev/min)	Rated Locking Torque ('T max') (at motor) (Nm)	øg6	K1
100	670	170	250	70
112	670	170	250	70
132	620	940	300	95
160	620	940	350	130
180	620	940	350	130
200	550	1260	400	130

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 F

POWER BUILD LIMITED

OVERHUNG LOADS (NEWTONS) ON OUTPUT 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 to 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 Power Build Limited 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.

Overhung load (Newtons)

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

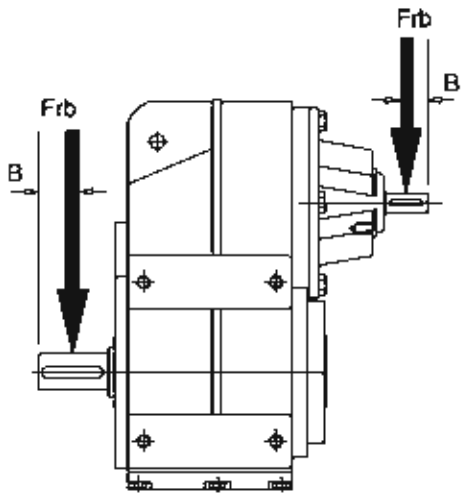
where

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

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

* If multistrand chain drives are equally loaded and the outer stand is further than dimension A output or B input refer to Power Build Limited

Note: 1 Newton = 0.10197 kg



Distance midway along the shaft extension

Size of unit	No. of Reductions	Dimension A (mm)	Dimension B (mm)
F04	2 - 3	28.5	20
F06	2 - 5	33	20
F07	2	43	25
	3 - 5	43	20
F08	2	57	30
	3	57	25
	4 - 5	57	20
F09	2	67.5	40
	3	67.5	30
	4	67.5	25
	5	67.5	20
F10	2	86	55
	3	86	40
	4	86	30
	5	86	20

Axial Thrust Capacities (Newtons)

Permissible axial thrust capacities vary according to the direction of rotation and the direction of thrust, towards or away from the unit. The values tabulated are for the most unfavourable direction and hence can sometimes be increased. Similarly they can sometimes be increased if the power transmitted is less than the rated capacity of the gear unit.

Thrust capacities tabulated refer to outputshafts, and are calculated without any overhung loads being applied. In cases where combined axial thrusts and overhung loads are to be applied, refer to Power Build Limited

OVERHUNG LOADS (NEWTONS) & AXIAL THRUSTS (NEWTONS)

REDUCER OVERHUNG LOADS (Fra) & AXIAL THRUST CAPACITIES ON OUTPUTSHAFT

		OUTPUT REV/MIN							
		280	200	160	100	63	40	25	2.5 & Under
F0420 F0430	OHL (Fra)	3090	3090	3250	3670	4380	5200	6410	6410
	THRUST	5160	5300	5340	5340	5340	5340	5340	5340
F0620 F0630	OHL (Fra)	6150	6150	6340	7220	9460	11400	13800	14200
	THRUST	9600	9820	10300	12600	12600	12600	12600	12600
F0720 F0730	OHL (Fra)	9100	9100	9100	9640	11300	12600	15200	18500
	THRUST	14200	14500	14500	16800	17000	17000	17000	17000
F0820 F0830	OHL (Fra)	8280	8280	8280	9240	10700	12500	16300	18500
	THRUST	14200	14200	14200	17300	18800	18800	18800	18800
F0920 F0930	OHL (Fra)	32900	32900	32900	32900	32900	32900	32900	32900
	THRUST	33400	33400	33400	33400	33400	33400	33400	33400
F1020 F1030	OHL (Fra)	43300	43300	43300	43300	43300	43300	43300	43300
	THRUST	42800	42800	42800	42800	42800	42800	42800	42800

REDUCER OVERHUNG LOADS (Frb) ON INPUTSHAFT

AT 1450 rev/min

	RATIO	SIZE					
		F04	F06	F07	F08	F09	F10
DOUBLE REDUCTION UNIT	5.0	1360	1090	2110	2000	3050	4870
	7.1	1360	1090	2110	2000	3050	4870
	9.0	1360	1090	2110	2000	3050	4870
	14.0	1360	1450	2110	2000	3890	5140
	22.0	1360	1450	2110	2850	3910	5140
	36.0	1430	1450	2110	2930	4080	5140
	56.0	1430	1690	2120	2930	4160	5140
	80.0	1540	1810	2440	3250	4160	5340
	100.0	1560	1920	2530	3670	4280	5340
TRIPLE REDUCTION UNIT	63.0	1630	1530	1800	-	-	-
	100.0	1650	1570	1800	2510	3850	4690
	160.0	1660	1580	1830	2550	3910	4760
	250.0	1680	1600	1850	2580	3940	4810
	355.0	1690	1650	1920	2660	4050	4860
QUADRUPLE REDUCTION UNIT ALL RATIOS		-	1720	1720	1800	2350	3500
QUINTUPLE REDUCTION UNIT ALL RATIOS		-	1840	1840	1840	1840	1840

MOMENTS OF INERTIA (Kg cm²) Referred to Input Shaft

DOUBLE REDUCTION

RATIO	F0420	F0620	F0720	F0820	F0920	F1020
5.01	4.23	18.89	44.20	103.24	278.37	611.92
6.31	3.55	16.02	35.83	86.29	233.10	501.00
7.11	2.55	11.03	25.99	62.01	174.92	366.28
8.01	2.23	9.31	21.79	53.69	150.41	324.08
9.01	1.87	7.86	19.17	46.63	129.83	270.56
10.00	1.94	8.15	18.33	47.66	131.40	276.02
11.00	1.39	5.71	13.15	33.81	97.62	189.83
12.00	1.22	4.87	11.16	29.50	84.75	169.03
14.00	1.25	5.14	11.46	30.89	88.54	167.88
16.00	1.11	4.43	9.88	27.19	77.47	150.19
18.00	0.93	3.40	8.11	20.37	61.20	109.20
20.00	0.84	2.92	6.95	17.76	54.13	93.90
22.00	0.87	3.16	7.31	19.16	57.41	100.34
25.00	0.80	2.75	6.26	16.87	51.22	86.99
28.00	0.67	2.18	4.87	13.36	40.73	69.98
32.00	0.65	2.07	4.37	12.06	37.23	62.63
36.00	0.65	2.09	4.60	12.89	39.28	66.30
40.00	0.63	2.00	4.16	11.69	36.06	59.65
45.00	0.56	1.65	3.56	9.32	30.29	47.51
50.00	0.55	1.58	3.40	8.91	28.70	43.31
56.00	0.55	1.61	3.46	9.14	29.70	46.04
63.00	0.54	1.55	3.31	8.75	28.22	42.20
71.00	0.52	1.42	3.01	7.73	25.24	36.47
80.00	0.51	1.37	2.89	7.54	24.63	36.65
90.00	0.52	1.41	2.96	7.64	24.98	37.86
100.00	0.51	1.36	2.86	7.48	24.43	36.12

TRIPLE REDUCTION

RATIO	F0430	F0630	F0730	F0830	F0930	F1030
63.00	0.59	0.93	2.69	-	-	-
71.00	0.57	0.85	2.36	-	-	-
80.00	0.59	0.92	2.63	-	-	-
90.00	0.57	0.83	2.32	-	-	-
100.00	0.53	0.68	1.66	8.55	23.39	53.01
112.00	0.52	0.65	1.79	7.52	20.43	47.48
125.00	0.53	0.67	1.84	8.51	23.28	52.73
140.00	0.52	0.65	1.77	7.50	20.34	47.26
160.00	0.50	0.56	1.50	5.30	14.61	36.30
180.00	0.50	0.55	1.45	4.96	13.23	33.03
200.00	0.50	0.56	1.49	5.28	14.57	36.19
225.00	0.50	0.55	1.44	4.95	13.19	32.95
250.00	0.49	0.52	1.35	3.97	10.21	29.50
280.00	0.49	0.51	1.31	3.84	9.70	27.89
315.00	0.49	0.52	1.34	3.97	10.19	29.45
355.00	0.48	0.51	1.31	3.84	9.69	27.85

MOMENTS OF INERTIA

QUADRUPLE REDUCTION

RATIO	F0640	F0740	F0840	F0940	F1040
360.00	0.66	1.06	2.70	7.06	18.11
400.00	0.66	0.91	2.38	6.07	16.09
450.00	0.64	0.83	2.50	6.46	17.46
500.00	0.64	0.84	2.23	5.61	15.62
560.00	0.62	0.77	1.86	4.51	12.48
630.00	0.56	0.67	1.79	4.09	11.37
710.00	0.54	0.64	1.79	4.29	12.23
800.00	0.66	0.64	1.73	3.92	11.17
900.00	0.63	0.62	2.65	6.91	17.83
1000.00	0.64	0.67	2.34	5.95	15.89
1100.00	0.62	0.64	2.47	6.37	17.29
1200.00	0.56	0.64	2.20	5.54	15.49
1400.00	0.54	0.62	1.84	4.46	12.37
1600.00	0.55	0.56	1.78	4.05	11.28
1800.00	0.53	0.54	1.78	4.26	12.16
2000.00	0.54	0.55	1.72	3.89	11.12
2200.00	0.53	0.54	1.49	3.39	8.93
2500.00	0.51	0.54	1.45	3.26	8.58
2800.00	0.51	0.53	1.47	3.31	8.85
3200.00	0.50	0.51	1.45	3.19	8.51
3600.00	0.51	0.51	1.41	3.27	8.77
4000.00	0.50	0.51	1.33	3.15	8.44
4500.00	0.51	0.51	1.30	2.90	7.37
5000.00	0.51	0.51	1.33	2.98	7.47
5600.00	0.50	0.51	1.30	2.79	7.35

QUINTUPLE REDUCTION

RATIO	F0650	F0750	F0850	F0950	F1050
4500.00	0.50	0.53	-	-	-
5000.00	0.50	0.52	-	-	-
5600.00	0.50	0.50	-	-	-
6300.00	0.50	0.50	0.62	0.66	0.70
7100.00	0.50	0.50	0.56	0.63	0.67
8000.00	0.50	0.50	0.54	0.57	0.60
9000.00	0.49	0.50	0.55	0.55	0.58
10000.00	0.48	0.50	0.54	0.56	0.58
11000.00	0.49	0.49	0.54	0.54	0.56
12000.00	0.48	0.48	0.53	0.55	0.56
14000.00	0.49	0.49	0.52	0.53	0.54
16000.00	0.48	0.48	0.51	0.51	0.52
18000.00	0.49	0.49	0.51	0.51	0.52
20000.00	0.48	0.48	0.51	0.51	0.51

GD^2 (Kg cm^2) = 4 x Moment of Inertia (Kg cm^2)

DOUBLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0420	F0620	F0720	F0820	F0920	F1020
5.0	578.84	Input kW	CONSULT POWER BUILD LIMITED					
		Output Torque Nm						
6.3	459.59	Input kW						
		Output Torque Nm						
7.1	407.88	Input kW						
		Output Torque Nm						
8.0	362.05	Input kW						
		Output Torque Nm						
9.0	321.86	Input kW						
		Output Torque Nm						
10.	290.00	Input kW						
		Output Torque Nm						
11.	263.64	Input kW						
		Output Torque Nm						
12.	241.67	Input kW						
		Output Torque Nm						
14.	207.14	Input kW						
		Output Torque Nm						
16.	181.25	Input kW						
		Output Torque Nm						
18.	161.11	Input kW						
		Output Torque Nm						
20.	145.00	Input kW						
		Output Torque Nm						
22.	131.82	Input kW	4.34	10.50	15.40	26.20	45.60	61.20
		Output Torque Nm	302.	735.	1070.	1820.	3300.	4440.
25.	116.00	Input kW	4.02	9.27	14.20	23.90	42.10	56.60
		Output Torque Nm	317.	756.	1130.	1940.	3470.	4650.
28.	103.57	Input kW	3.07	8.34	12.50	19.70	35.50	52.80
		Output Torque Nm	261.	772.	1150.	1790.	3220.	4730.
32.	90.63	Input kW	3.04	7.91	11.20	17.80	32.30	49.30
		Output Torque Nm	303.	782.	1160.	1630.	3250.	4810.
36.	80.56	Input kW	3.07	6.77	11.40	19.70	33.80	46.60
		Output Torque Nm	348.	780.	1300.	2190.	3960.	5240.
40.	72.50	Input kW	2.91	6.38	10.50	17.80	31.60	43.50
		Output Torque Nm	359.	784.	1350.	2240.	4100.	5440.
45.	64.44	Input kW	2.36	5.60	8.62	13.20	24.30	39.30
		Output Torque Nm	338.	809.	1230.	1910.	3460.	5570.
50.	58.00	Input kW	1.85	5.01	7.97	12.30	22.30	35.80
		Output Torque Nm	298.	792.	1250.	1950.	3500.	5850.
56.	51.79	Input kW	2.10	4.48	8.53	13.20	23.00	34.60
		Output Torque Nm	372.	804.	1520.	2340.	4220.	6160.
63.	46.03	Input kW	1.85	4.10	7.97	12.30	20.80	31.50
		Output Torque Nm	369.	805.	1550.	2390.	4220.	6460.
71.	40.85	Input kW	1.22	2.46	4.31	9.47	16.80	27.90
		Output Torque Nm	259.	534.	930.	2020.	3610.	6160.
80.	36.25	Input kW	1.04	1.58	3.19	7.61	14.90	23.70
		Output Torque Nm	251.	380.	762.	1860.	3610.	5800.
90.	32.22	Input kW	1.22	2.48	4.31	9.47	15.20	25.60
		Output Torque Nm	320.	664.	1160.	2470.	4220.	7080.
100	29.00	Input kW	1.04	1.59	3.19	7.61	13.50	23.70
		Output Torque Nm	310.	472.	949.	2280.	4220.	7040.

Input mechanical rating exceeds thermal capacity, check thermal power page 106

TRIPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0430	F0630	F0730	F0830	F0930	F1030
63.	46.03	Input kW	1.88	3.75	5.82	*	*	*
		Output Torque Nm	378.	752.	1160.	*	*	*
71.	40.85	Input kW	1.65	3.46	5.28	*	*	*
		Output Torque Nm	378.	789.	1230.	*	*	*
80.	36.25	Input kW	1.56	3.23	5.82	*	*	*
		Output Torque Nm	386.	805.	1450.	*	*	*
90.	32.22	Input kW	1.36	2.64	5.28	*	*	*
		Output Torque Nm	386.	805.	1530.	*	*	*
100	29.00	Input kW	1.22	2.47	4.19	7.99	13.00	16.70
		Output Torque Nm	378.	811.	1370.	2580.	4190.	5380.
112	25.89	Input kW	1.04	2.28	4.00	7.31	12.00	15.40
		Output Torque Nm	378.	811.	1400.	2670.	4310.	5530.
125	23.20	Input kW	1.01	1.98	4.19	6.92	10.20	16.70
		Output Torque Nm	386.	806.	1710.	2740.	4220.	6760.
140	20.71	Input kW	0.86	1.82	3.95	6.21	9.20	15.40
		Output Torque Nm	386.	806.	1720.	2770.	4220.	6950.
160	18.13	Input kW	0.75	1.59	3.07	5.38	8.55	11.90
		Output Torque Nm	378.	811.	1570.	2780.	4310.	6080.
180	16.11	Input kW	0.68	1.41	2.86	4.90	7.73	10.70
		Output Torque Nm	378.	811.	1600.	2780.	4310.	6290.
200	14.50	Input kW	0.62	1.27	2.70	4.42	6.51	11.30
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
225	12.89	Input kW	0.56	1.13	2.47	4.02	5.89	9.79
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
250	11.60	Input kW	0.46	1.07	2.18	3.66	5.63	8.03
		Output Torque Nm	352.	811.	1660.	2780.	4310.	6400.
280	10.36	Input kW	0.39	0.94	1.58	3.19	5.02	7.49
		Output Torque Nm	341.	811.	1350.	2780.	4310.	6400.
315	9.21	Input kW	0.40	0.85	1.81	3.00	4.29	7.25
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
355	8.17	Input kW	0.36	0.75	1.58	2.62	3.82	6.76
		Output Torque Nm	386.	806.	1680.	2790.	4220.	7250.

* These ratios are not available on sizes F0830, F0930 and F1030

DOUBLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0420	F0620	F0720	F0820	F0920	F1020
5.0	349.30	Input kW	6.22	15.00	15.50	31.80	68.90	92.50
		Output Torque Nm	168.	402.	422.	854.	1850.	2500.
6.3	277.34	Input kW	5.81	13.90	15.50	31.80	61.80	84.00
		Output Torque Nm	194.	462.	526.	1050.	2140.	2860.
7.1	246.13	Input kW	5.48	13.00	15.50	31.80	59.70	79.90
		Output Torque Nm	208.	491.	586.	1210.	2210.	3020.
8.0	218.48	Input kW	5.23	12.40	15.50	31.10	56.50	76.70
		Output Torque Nm	219.	522.	659.	1320.	2350.	3160.
9.0	194.23	Input kW	4.90	11.70	15.50	29.50	53.40	72.00
		Output Torque Nm	233.	555.	725.	1390.	2490.	3370.
10.	175.00	Input kW	4.75	11.30	15.50	28.50	50.20	69.00
		Output Torque Nm	245.	595.	821.	1480.	2690.	3570.
11.	159.09	Input kW	4.31	10.40	15.10	25.90	46.90	62.70
		Output Torque Nm	260.	624.	921.	1580.	2820.	3820.
12.	145.83	Input kW	4.04	9.70	14.10	24.30	44.00	60.00
		Output Torque Nm	277.	662.	977.	1670.	2960.	3940.
14.	125.00	Input kW	3.89	9.44	13.70	23.60	41.30	56.00
		Output Torque Nm	290.	706.	1040.	1760.	3200.	4280.
16.	109.38	Input kW	3.63	8.81	12.70	22.10	38.70	53.50
		Output Torque Nm	306.	748.	1100.	1860.	3350.	4410.
18.	97.22	Input kW	3.39	6.41	12.00	19.90	36.40	48.40
		Output Torque Nm	317.	600.	1110.	1880.	3400.	4640.
20.	87.50	Input kW	3.15	6.05	11.00	18.00	33.10	44.80
		Output Torque Nm	333.	658.	1170.	1980.	3530.	4870.
22.	79.55	Input kW	3.04	6.41	10.80	18.30	31.90	42.90
		Output Torque Nm	351.	747.	1250.	2120.	3840.	5170.
25.	70.00	Input kW	2.76	5.84	9.92	16.80	29.50	39.70
		Output Torque Nm	361.	791.	1310.	2260.	4040.	5410.
28.	62.50	Input kW	1.85	5.19	8.87	12.70	25.30	37.00
		Output Torque Nm	282.	797.	1350.	1910.	3810.	5500.
32.	54.69	Input kW	1.83	4.93	8.01	11.00	23.00	34.50
		Output Torque Nm	303.	809.	1380.	1880.	3850.	5710.
36.	48.61	Input kW	1.85	4.21	7.96	12.70	21.70	32.60
		Output Torque Nm	348.	805.	1510.	2340.	4220.	6100.
40.	43.75	Input kW	1.83	3.95	7.36	11.00	19.60	30.50
		Output Torque Nm	375.	805.	1580.	2300.	4220.	6330.
45.	38.89	Input kW	1.44	3.38	6.16	8.76	17.40	27.20
		Output Torque Nm	341.	810.	1460.	2110.	4100.	6400.
50.	35.00	Input kW	1.12	3.04	5.69	7.61	15.90	23.60
		Output Torque Nm	299.	797.	1480.	2010.	4150.	6400.
56.	31.25	Input kW	1.31	2.71	5.82	8.76	13.90	24.20
		Output Torque Nm	386.	805.	1720.	2580.	4220.	7170.
63.	27.78	Input kW	1.12	2.47	5.32	7.61	12.60	21.30
		Output Torque Nm	369.	805.	1720.	2460.	4220.	7250.
71.	24.65	Input kW	0.74	1.50	2.60	6.52	11.10	16.90
		Output Torque Nm	261.	534.	931.	2300.	3950.	6170.
80.	21.88	Input kW	0.63	0.95	1.92	4.41	9.13	14.30
		Output Torque Nm	251.	380.	763.	1790.	3660.	5610.
90.	19.44	Input kW	0.74	1.50	2.60	6.38	9.17	15.80
		Output Torque Nm	323.	665.	1160.	2760.	4220.	7250.
100	17.50	Input kW	0.63	0.95	1.92	4.41	8.17	14.30
		Output Torque Nm	310.	473.	950.	2190.	4220.	7040.

Input mechanical rating exceeds thermal capacity, check thermal power page 106

TRIPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0430	F0630	F0730	F0830	F0930	F1030
63.	27.78	Input kW	1.13	2.43	3.95	*	*	*
		Output Torque Nm	378.	811.	1310.	*	*	*
71.	24.65	Input kW	0.99	2.14	3.58	*	*	*
		Output Torque Nm	378.	811.	1380.	*	*	*
80.	21.88	Input kW	0.94	1.95	3.95	*	*	*
		Output Torque Nm	386.	806.	1630.	*	*	*
90.	19.44	Input kW	0.82	1.71	3.58	*	*	*
		Output Torque Nm	386.	806.	1720.	*	*	*
100	17.50	Input kW	0.74	1.49	2.85	5.16	8.06	11.40
		Output Torque Nm	378.	811.	1550.	2780.	4310.	6100.
112	15.63	Input kW	0.63	1.37	2.72	4.57	7.25	10.50
		Output Torque Nm	378.	811.	1580.	2780.	4310.	6250.
125	14.00	Input kW	0.61	1.19	2.54	4.23	6.14	10.80
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
140	12.50	Input kW	0.52	1.10	2.38	3.75	5.53	9.68
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
160	10.94	Input kW	0.45	0.96	1.96	3.24	5.14	7.52
		Output Torque Nm	378.	811.	1660.	2780.	4310.	6400.
180	9.72	Input kW	0.41	0.85	1.79	2.95	4.65	6.53
		Output Torque Nm	378.	811.	1660.	2780.	4310.	6400.
200	8.75	Input kW	0.37	0.78	1.63	2.66	3.92	6.79
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
225	7.78	Input kW	0.34	0.68	1.49	2.42	3.54	5.89
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
250	7.00	Input kW	0.28	0.64	1.31	2.20	3.39	4.84
		Output Torque Nm	353.	812.	1660.	2780.	4310.	6400.
280	6.25	Input kW	0.24	0.57	0.95	1.92	3.02	4.51
		Output Torque Nm	342.	816.	1350.	2780.	4310.	6400.
315	5.56	Input kW	0.25	0.52	1.09	1.81	2.58	4.37
		Output Torque Nm	368.	806.	1720.	2790.	4230.	7250.
355	4.93	Input kW	0.22	0.45	0.95	1.58	2.30	4.07
		Output Torque Nm	368.	806.	1680.	2790.	4230.	7250.

* These ratios are not available on sizes F0830, F0930 and F1030

DOUBLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0420	F0620	F0720	F0820	F0920	F1020
5.0	289.42	Input kW	5.15	12.80	12.90	26.40	60.30	78.20
		Output Torque Nm	168.	412.	422.	855.	1960.	2560.
6.3	229.79	Input kW	5.09	12.20	12.90	26.40	54.10	73.60
		Output Torque Nm	205.	489.	526.	1050.	2270.	3020.
7.1	203.94	Input kW	4.80	11.40	12.90	26.40	52.30	70.00
		Output Torque Nm	220.	519.	587.	1220.	2340.	3200.
8.0	181.02	Input kW	4.58	10.80	12.90	26.40	49.50	67.20
		Output Torque Nm	231.	553.	660.	1350.	2490.	3340.
9.0	160.93	Input kW	4.29	10.20	12.90	25.90	46.80	63.10
		Output Torque Nm	246.	582.	726.	1470.	2640.	3560.
10.	145.00	Input kW	4.16	9.93	12.90	25.00	43.90	60.40
		Output Torque Nm	260.	629.	822.	1570.	2840.	3770.
11.	131.82	Input kW	3.78	9.08	12.90	22.70	41.10	55.00
		Output Torque Nm	275.	660.	949.	1670.	2990.	4040.
12.	120.83	Input kW	3.54	8.50	12.30	21.30	38.60	52.50
		Output Torque Nm	293.	700.	1030.	1760.	3130.	4170.
14.	103.57	Input kW	3.41	8.27	12.00	20.70	36.20	49.00
		Output Torque Nm	307.	747.	1100.	1870.	3390.	4530.
16.	90.63	Input kW	3.18	7.53	11.20	19.40	33.90	46.80
		Output Torque Nm	326.	771.	1160.	1970.	3550.	4870.
18.	80.56	Input kW	2.97	5.31	10.50	17.50	32.00	42.40
		Output Torque Nm	335.	601.	1170.	2000.	3610.	4910.
20.	72.50	Input kW	2.76	5.01	9.66	15.80	29.20	39.30
		Output Torque Nm	353.	659.	1240.	2110.	3760.	5150.
22.	65.91	Input kW	2.61	5.31	9.46	16.10	28.00	37.60
		Output Torque Nm	363.	747.	1320.	2250.	4060.	5470.
25.	58.00	Input kW	2.33	4.92	8.69	14.70	25.50	34.80
		Output Torque Nm	368.	804.	1390.	2390.	4220.	5730.
28.	51.79	Input kW	1.53	4.30	7.78	10.50	22.30	32.40
		Output Torque Nm	282.	797.	1430.	1910.	4060.	5820.
32.	45.31	Input kW	1.52	4.09	7.05	9.13	20.30	30.30
		Output Torque Nm	303.	810.	1470.	1880.	4110.	6040.
36.	40.28	Input kW	1.53	3.49	6.98	10.50	18.00	28.60
		Output Torque Nm	348.	805.	1600.	2350.	4220.	6460.
40.	36.25	Input kW	1.52	3.27	6.45	9.13	16.20	26.70
		Output Torque Nm	375.	805.	1670.	2300.	4220.	6890.
45.	32.22	Input kW	1.22	2.80	5.42	7.26	15.10	22.50
		Output Torque Nm	350.	810.	1550.	2110.	4310.	6400.
50.	29.00	Input kW	0.93	2.56	4.96	6.30	13.70	19.50
		Output Torque Nm	299.	811.	1580.	2010.	4310.	6400.
56.	25.89	Input kW	1.09	2.24	4.82	7.26	11.50	20.30
		Output Torque Nm	386.	805.	1720.	2580.	4220.	7250.
63.	23.02	Input kW	0.93	2.05	4.41	6.30	10.40	17.60
		Output Torque Nm	369.	805.	1720.	2460.	4220.	7250.
71.	20.42	Input kW	0.62	1.24	2.16	5.47	9.16	14.00
		Output Torque Nm	265.	535.	931.	2330.	3950.	6170.
80.	18.13	Input kW	0.52	0.79	1.59	3.70	7.56	11.80
		Output Torque Nm	251.	380.	763.	1810.	3660.	5810.
90.	16.11	Input kW	0.62	1.24	2.16	5.34	7.59	13.10
		Output Torque Nm	328.	665.	1160.	2790.	4220.	7250.
100	14.50	Input kW	0.52	0.79	1.59	3.70	6.77	11.80
		Output Torque Nm	310.	473.	950.	2220.	4220.	7040.

Input mechanical rating exceeds thermal capacity, check thermal power page 106

TRIPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0430	F0630	F0730	F0830	F0930	F1030
63.	23.02	Input kW	0.94	2.02	3.42	*	*	*
		Output Torque Nm	378.	811.	1370.	*	*	*
71.	20.42	Input kW	0.82	1.77	3.10	*	*	*
		Output Torque Nm	378.	811.	1450.	*	*	*
80.	18.13	Input kW	0.78	1.61	3.42	*	*	*
		Output Torque Nm	386.	806.	1700.	*	*	*
90.	16.11	Input kW	0.68	1.42	2.97	*	*	*
		Output Torque Nm	386.	806.	1720.	*	*	*
100	14.50	Input kW	0.61	1.24	2.48	4.27	6.67	9.81
		Output Torque Nm	378.	811.	1630.	2780.	4310.	6370.
112	12.95	Input kW	0.52	1.14	2.36	3.78	6.00	8.87
		Output Torque Nm	378.	811.	1660.	2780.	4310.	6400.
125	11.60	Input kW	0.50	0.99	2.10	3.50	5.08	8.90
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
140	10.36	Input kW	0.43	0.91	1.97	3.11	4.57	8.01
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
160	9.06	Input kW	0.37	0.79	1.62	2.68	4.26	6.22
		Output Torque Nm	378.	811.	1660.	2780.	4310.	6400.
180	8.06	Input kW	0.34	0.70	1.48	2.44	3.85	5.40
		Output Torque Nm	378.	812.	1660.	2780.	4310.	6400.
200	7.25	Input kW	0.31	0.63	1.35	2.20	3.24	5.62
		Output Torque Nm	386.	806.	1720.	2790.	4230.	7250.
225	6.44	Input kW	0.28	0.56	1.23	2.00	2.93	4.88
		Output Torque Nm	387.	806.	1720.	2790.	4230.	7250.
250	5.80	Input kW	0.23	0.54	1.09	1.83	2.81	4.00
		Output Torque Nm	353.	822.	1660.	2780.	4310.	6400.
280	5.18	Input kW	0.19	0.48	0.79	1.59	2.50	3.73
		Output Torque Nm	342.	834.	1350.	2780.	4310.	6400.
315	4.60	Input kW	0.20	0.43	0.91	1.50	2.14	3.61
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
355	4.08	Input kW	0.18	0.38	0.79	1.30	1.90	3.37
		Output Torque Nm	388.	806.	1680.	2790.	4230.	7250.

* These ratios are not available on sizes F0830, F0930 and F1030

QUADRUPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT				
			F0640	F0740	F0840	F0940	F1040
360	4.03	Input kW	0.35	0.76	1.36	1.91	3.26
		Output Torque Nm	749.	1720.	2900.	4220.	7250.
400	3.63	Input kW	0.32	0.71	1.17	1.66	2.81
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
450	3.22	Input kW	0.30	0.62	1.07	1.50	2.64
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
500	2.90	Input kW	0.25	0.55	0.92	1.31	2.27
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
560	2.59	Input kW	0.23	0.49	0.83	1.16	2.04
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
630	2.30	Input kW	0.21	0.43	0.77	1.02	1.804
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
710	2.04	Input kW	0.18	0.40	0.65	0.91	1.64
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
800	1.81	Input kW	0.18	0.34	0.61	0.80	1.46
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
900	1.61	Input kW	0.16	0.31	0.59	0.82	1.35
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1000	1.45	Input kW	0.14	0.29	0.50	0.71	1.17
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1100	1.32	Input kW	0.13	0.26	0.46	0.64	1.10
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1200	1.21	Input kW	0.11	0.22	0.40	0.56	0.94
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1400	1.04	Input kW	0.10	0.21	0.36	0.49	0.84
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1600	0.91	Input kW	0.09	0.18	0.33	0.44	0.75
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1800	0.81	Input kW	0.08	0.16	0.28	0.39	0.68
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
2000	0.73	Input kW	0.07	0.14	0.26	0.34	0.60
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
2200	0.66	Input kW	0.06	0.13	0.23	0.31	0.52
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
2500	0.58	Input kW	0.05	0.12	0.21	0.29	0.48
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
2800	0.52	Input kW	0.05	0.10	0.18	0.25	0.42
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
3200	0.45	Input kW	0.04	0.08	0.15	0.23	0.39
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
3600	0.40	Input kW	0.04	0.08	0.14	0.20	0.34
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
4000	0.36	Input kW	0.03	0.07	0.12	0.19	0.31
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
4500	0.32	Input kW	0.02	0.04	0.11	0.16	0.25
		Output Torque Nm	665.	1160.	2900.	4220.	7250.
5000	0.29	Input kW	0.02	0.04	0.10	0.13	0.23
		Output Torque Nm	665.	1160.	2900.	4220.	7250.
5600	0.26	Input kW	0.02	0.03	0.09	0.12	0.20
		Output Torque Nm	665.	1160.	2900.	4220.	7250.

QUINTUPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT				
			F0650	F0750	F0850	F0950	F1050
4500	0.32	Input kW	0.03	0.07	*	*	*
		Output Torque Nm	850.	1720.	*	*	*
5000	0.29	Input kW	0.03	0.06	*	*	*
		Output Torque Nm	850.	1720.	*	*	*
5600	0.26	Input kW	0.03	0.05	*	*	*
		Output Torque Nm	850.	1720.	*	*	*
6300	0.23	Input kW	0.02	0.05	0.07	0.11	0.18
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
7100	0.20	Input kW	0.02	0.04	0.06	0.10	0.17
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
8000	0.18	Input kW	0.02	0.04	0.06	0.09	0.15
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
9000	0.16	Input kW	0.02	0.03	0.05	0.08	0.13
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
10000	0.15	Input kW	0.01	0.03	0.05	0.07	0.12
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
11000	0.13	Input kW	0.01	0.03	0.04	0.06	0.10
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
12000	0.12	Input kW	0.01	0.02	0.04	0.06	0.09
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
14000	0.10	Input kW	0.01	0.02	0.03	0.05	0.08
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
16000	0.09	Input kW	0.01	0.02	0.03	0.04	0.07
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
18000	0.08	Input kW	0.01	0.01	0.03	0.04	0.06
		Output Torque Nm	665.	1160.	2900.	4230.	7250.
20000	0.07	Input kW	0.01	0.01	0.02	0.03	0.06
		Output Torque Nm	665.	1160.	2900.	4230.	7250.

* These ratios are not available on sizes F0850, F0950 and F1050

SERIES F
RATINGS AT 1160 RPM INPUT

DOUBLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0420	F0620	F0720	F0820	F0920	F1020
5.0	231.54	Input kW	4.12	10.20	10.30	21.10	51.60	62.60
		Output Torque Nm	168.	412.	423.	856.	2100.	2560.
6.3	183.84	Input kW	4.12	10.20	10.30	21.10	46.30	62.60
		Output Torque Nm	208.	513.	527.	1050.	2430.	3210.
7.1	163.15	Input kW	4.10	9.48	10.30	21.10	44.70	59.80
		Output Torque Nm	235.	539.	588.	1220.	2510.	3420.
8.0	144.82	Input kW	3.92	9.11	10.30	21.10	42.30	57.50
		Output Torque Nm	248.	581.	660.	1350.	2660.	3570.
9.0	128.75	Input kW	3.67	8.14	10.30	21.10	40.00	54.00
		Output Torque Nm	263.	582.	727.	1500.	2820.	3810.
10.	116.00	Input kW	3.56	8.49	10.30	21.10	37.50	51.70
		Output Torque Nm	278.	673.	822.	1660.	3040.	4040.
11.	105.45	Input kW	3.23	7.77	10.30	19.40	35.10	47.00
		Output Torque Nm	295.	706.	950.	1790.	3200.	4320.
12.	96.67	Input kW	3.02	7.26	10.30	18.20	33.00	44.90
		Output Torque Nm	313.	749.	1080.	1880.	3350.	4460.
14.	82.86	Input kW	2.92	6.88	10.20	17.70	30.90	41.90
		Output Torque Nm	328.	778.	1180.	2000.	3620.	4840.
16.	72.50	Input kW	2.72	6.14	9.54	16.60	28.90	40.00
		Output Torque Nm	348.	787.	1240.	2100.	3790.	4990.
18.	64.44	Input kW	2.54	4.25	8.62	14.90	27.40	36.20
		Output Torque Nm	358.	601.	1210.	2130.	3860.	5250.
20.	58.00	Input kW	2.36	4.01	8.14	13.50	25.20	33.60
		Output Torque Nm	377.	659.	1310.	2240.	4050.	5510.
22.	52.73	Input kW	2.13	4.25	8.09	13.70	23.20	32.10
		Output Torque Nm	371.	747.	1410.	2400.	4220.	5850.
25.	46.40	Input kW	1.90	3.94	7.43	12.60	20.40	29.70
		Output Torque Nm	376.	805.	1490.	2560.	4220.	6130.
28.	41.43	Input kW	1.23	3.44	6.62	8.39	19.00	27.70
		Output Torque Nm	282.	798.	1520.	1920.	4310.	6230.
32.	36.25	Input kW	1.21	3.27	5.93	7.30	17.10	25.60
		Output Torque Nm	303.	810.	1540.	1880.	4310.	6400.
36.	32.22	Input kW	1.23	2.79	5.97	8.39	14.40	24.50
		Output Torque Nm	348.	805.	1710.	2350.	4220.	6900.
40.	29.00	Input kW	1.21	2.62	5.32	7.30	13.00	22.80
		Output Torque Nm	375.	805.	1720.	2300.	4220.	7160.
45.	25.78	Input kW	0.98	2.24	4.56	5.81	12.10	18.00
		Output Torque Nm	353.	811.	1630.	2110.	4310.	6400.
50.	23.20	Input kW	0.74	2.05	4.01	5.04	11.00	15.60
		Output Torque Nm	299.	811.	1570.	2010.	4310.	6400.
56.	20.71	Input kW	0.87	1.79	3.86	5.81	9.20	16.20
		Output Torque Nm	386.	806.	1720.	2580.	4220.	7250.
63.	18.41	Input kW	0.74	1.64	3.53	5.04	8.33	14.10
		Output Torque Nm	369.	806.	1720.	2460.	4220.	7250.
71.	16.34	Input kW	0.51	0.99	1.72	4.49	7.32	11.20
		Output Torque Nm	270.	535.	931.	2390.	3950.	6170.
80.	14.50	Input kW	0.42	0.63	1.28	3.04	6.05	9.48
		Output Torque Nm	251.	380.	764.	1860.	3660.	5610.
90.	12.89	Input kW	0.51	0.99	1.72	4.27	6.07	10.50
		Output Torque Nm	334.	665.	1160.	2790.	4220.	7250.
100	11.60	Input kW	0.42	0.63	1.28	3.04	5.42	9.48
		Output Torque Nm	310.	473.	950.	2280.	4220.	7050.

TRIPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0430	F0630	F0730	F0830	F0930	F1030
63.	18.41	Input kW	0.75	1.61	2.88	*	*	*
		Output Torque Nm	378.	811.	1450.	*	*	*
71.	16.34	Input kW	0.66	1.42	2.62	*	*	*
		Output Torque Nm	378.	811.	1530.	*	*	*
80.	14.50	Input kW	0.62	1.29	2.76	*	*	*
		Output Torque Nm	386.	806.	1720.	*	*	*
90.	12.89	Input kW	0.54	1.13	2.37	*	*	*
		Output Torque Nm	386.	806.	1720.	*	*	*
100	11.60	Input kW	0.49	0.99	2.02	3.41	5.33	7.87
		Output Torque Nm	378.	811.	1660.	2780.	4310.	6400.
112	10.36	Input kW	0.42	0.91	1.89	3.02	4.80	7.09
		Output Torque Nm	378.	811.	1660.	2780.	4310.	6400.
125	9.28	Input kW	0.40	0.79	1.68	2.80	4.06	7.11
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
140	8.29	Input kW	0.35	0.73	1.57	2.48	3.65	6.40
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
160	7.25	Input kW	0.30	0.63	1.29	2.14	3.40	4.97
		Output Torque Nm	378.	812.	1660.	2780.	4310.	6400.
180	6.44	Input kW	0.27	0.57	1.18	1.95	3.08	4.32
		Output Torque Nm	378.	817.	1660.	2780.	4310.	6400.
200	5.80	Input kW	0.25	0.51	1.08	1.76	2.59	4.49
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
225	5.16	Input kW	0.22	0.45	0.99	1.60	2.34	3.90
		Output Torque Nm	388.	808.	1720.	2790.	4230.	7250.
250	4.64	Input kW	0.18	0.44	0.87	1.46	2.24	3.20
		Output Torque Nm	353.	844.	1660.	2780.	4310.	6400.
280	4.14	Input kW	0.16	0.40	0.63	1.27	2.00	2.98
		Output Torque Nm	342.	856.	1350.	2780.	4310.	6400.
315	3.68	Input kW	0.16	0.34	0.72	1.20	1.71	2.89
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
355	3.27	Input kW	0.14	0.30	0.63	1.04	1.52	2.69
		Output Torque Nm	388.	806.	1680.	2790.	4230.	7250.

* These ratios are not available on sizes F0830, F0930 and F1030

SERIES F
RATINGS AT 960 RPM INPUT

DOUBLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0420	F0620	F0720	F0820	F0920	F1020
5.0	191.62	Input kW	3.41	8.44	8.53	17.50	45.10	51.80
		Output Torque Nm	168.	412.	424.	857.	2220.	2560.
6.3	152.14	Input kW	3.41	8.44	8.53	17.50	40.50	51.80
		Output Torque Nm	208.	513.	527.	1050.	2570.	3220.
7.1	135.02	Input kW	3.41	7.84	8.53	17.50	39.10	51.80
		Output Torque Nm	236.	539.	588.	1220.	2650.	3580.
8.0	119.85	Input kW	3.41	7.54	8.53	17.50	37.10	50.30
		Output Torque Nm	261.	581.	661.	1350.	2820.	3780.
9.0	106.55	Input kW	3.21	6.74	8.53	17.50	35.00	47.20
		Output Torque Nm	279.	583.	727.	1510.	2990.	4040.
10.	96.00	Input kW	3.11	7.43	8.53	17.50	32.90	45.20
		Output Torque Nm	294.	712.	823.	1660.	3220.	4270.
11.	87.27	Input kW	2.83	6.53	8.53	17.00	30.80	41.10
		Output Torque Nm	312.	718.	950.	1890.	3380.	4580.
12.	80.00	Input kW	2.65	6.23	8.53	15.90	28.90	39.30
		Output Torque Nm	331.	776.	1080.	1990.	3550.	4720.
14.	68.57	Input kW	2.55	5.79	8.53	15.50	27.10	36.70
		Output Torque Nm	348.	792.	1180.	2110.	3840.	5130.
16.	60.00	Input kW	2.37	5.17	8.35	14.50	25.30	35.00
		Output Torque Nm	367.	801.	1320.	2230.	4010.	5290.
18.	53.33	Input kW	2.22	3.52	7.14	12.80	24.00	31.70
		Output Torque Nm	378.	601.	1210.	2220.	4090.	5560.
20.	48.00	Input kW	1.95	3.32	6.74	11.60	22.00	29.40
		Output Torque Nm	378.	659.	1310.	2330.	4280.	5830.
22.	43.64	Input kW	1.80	3.52	7.08	12.00	19.20	28.10
		Output Torque Nm	379.	748.	1490.	2540.	4220.	6190.
25.	38.40	Input kW	1.61	3.26	6.51	10.60	16.90	26.00
		Output Torque Nm	384.	805.	1570.	2610.	4220.	6480.
28.	34.29	Input kW	1.02	2.85	5.70	6.95	15.70	23.50
		Output Torque Nm	282.	798.	1580.	1920.	4310.	6400.
32.	30.00	Input kW	1.01	2.71	5.10	6.04	14.10	21.20
		Output Torque Nm	303.	811.	1600.	1880.	4310.	6400.
36.	26.67	Input kW	1.02	2.31	4.98	6.95	11.90	21.30
		Output Torque Nm	348.	805.	1720.	2350.	4220.	7250.
40.	24.00	Input kW	1.01	2.16	4.40	6.04	10.70	19.10
		Output Torque Nm	375.	805.	1720.	2300.	4220.	7250.
45.	21.33	Input kW	0.81	1.86	3.83	4.81	10.00	14.90
		Output Torque Nm	353.	811.	1660.	2110.	4310.	6400.
50.	19.20	Input kW	0.61	1.70	3.32	4.17	9.07	12.90
		Output Torque Nm	299.	811.	1570.	2010.	4310.	6400.
56.	17.14	Input kW	0.72	1.48	3.19	4.81	7.61	13.40
		Output Torque Nm	386.	806.	1720.	2580.	4220.	7250.
63.	15.24	Input kW	0.61	1.36	2.92	4.17	6.89	11.70
		Output Torque Nm	369.	806.	1720.	2460.	4220.	7250.
71.	13.52	Input kW	0.43	0.82	1.43	3.74	6.06	9.25
		Output Torque Nm	275.	535.	931.	2410.	3950.	6170.
80.	12.00	Input kW	0.34	0.52	1.06	2.58	5.01	7.84
		Output Torque Nm	251.	381.	764.	1910.	3660.	5610.
90.	10.67	Input kW	0.43	0.82	1.43	3.53	5.03	8.66
		Output Torque Nm	340.	665.	1160.	2790.	4220.	7250.
100	9.60	Input kW	0.34	0.52	1.06	2.58	4.48	7.84
		Output Torque Nm	310.	473.	950.	2340.	4220.	7050.

TRIPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0430	F0630	F0730	F0830	F0930	F1030
63.	15.24	Input kW	0.62	1.33	2.49	*	*	*
		Output Torque Nm	378.	811.	1510.	*	*	*
71.	13.52	Input kW	0.54	1.17	2.30	*	*	*
		Output Torque Nm	378.	811.	1620.	*	*	*
80.	12.00	Input kW	0.51	1.07	2.28	*	*	*
		Output Torque Nm	386.	806.	1720.	*	*	*
90.	10.67	Input kW	0.45	0.94	1.96	*	*	*
		Output Torque Nm	386.	806.	1720.	*	*	*
100	9.60	Input kW	0.40	0.82	1.67	2.82	4.41	6.51
		Output Torque Nm	378.	811.	1660.	2780.	4310.	6400.
112	8.57	Input kW	0.35	0.75	1.56	2.50	3.97	5.86
		Output Torque Nm	378.	811.	1660.	2780.	4310.	6400.
125	7.68	Input kW	0.33	0.65	1.39	2.32	3.35	5.88
		Output Torque Nm	386.	806.	1720.	2790.	4220.	7250.
140	6.86	Input kW	0.29	0.60	1.30	2.05	3.02	5.29
		Output Torque Nm	386.	806.	1720.	2790.	4230.	7250.
160	6.00	Input kW	0.25	0.53	1.07	1.77	2.81	4.11
		Output Torque Nm	378.	823.	1660.	2780.	4310.	6400.
180	5.33	Input kW	0.22	0.48	0.98	1.61	2.55	3.57
		Output Torque Nm	378.	835.	1660.	2780.	4310.	6400.
200	4.80	Input kW	0.21	0.42	0.89	1.45	2.14	3.71
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
225	4.27	Input kW	0.19	0.37	0.82	1.32	1.94	3.23
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
250	3.84	Input kW	0.15	0.38	0.72	1.21	1.86	2.65
		Output Torque Nm	353.	862.	1660.	2780.	4310.	6400.
280	3.43	Input kW	0.13	0.34	0.52	1.05	1.85	2.47
		Output Torque Nm	342.	875.	1350.	2780.	4310.	6400.
315	3.05	Input kW	0.13	0.28	0.60	0.99	1.41	2.39
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
355	2.70	Input kW	0.12	0.25	0.52	0.86	1.26	2.23
		Output Torque Nm	388.	806.	1680.	2790.	4230.	7250.

* These ratios are not available on sizes F0830, F0930 and F1030

SERIES F
RATINGS AT 960 RPM INPUT

QUADRUPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT				
			F0640	F0740	F0840	F0940	F1040
360	2.67	Input kW	0.23	0.50	0.90	1.26	2.15
		Output Torque Nm	749.	1720.	2900.	4220.	7250.
400	2.40	Input kW	0.21	0.47	0.77	1.10	1.85
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
450	2.13	Input kW	0.20	0.41	0.71	0.99	1.74
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
500	1.92	Input kW	0.17	0.37	0.61	0.86	1.49
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
560	1.71	Input kW	0.15	0.32	0.55	0.78	1.34
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
630	1.52	Input kW	0.14	0.28	0.51	0.68	1.19
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
710	1.35	Input kW	0.12	0.26	0.43	0.60	1.08
		Output Torque Nm	806.	1720.	2900.	4220.	7250.
800	1.20	Input kW	0.12	0.22	0.40	0.53	0.96
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
900	1.07	Input kW	0.11	0.21	0.39	0.54	0.69
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1000	0.96	Input kW	0.09	0.19	0.33	0.47	0.76
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1100	0.87	Input kW	0.08	0.17	0.31	0.42	0.72
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1200	0.80	Input kW	0.07	0.15	0.26	0.37	0.62
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1400	0.69	Input kW	0.07	0.14	0.23	0.33	0.55
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1600	0.60	Input kW	0.06	0.12	0.22	0.29	0.49
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
1800	0.53	Input kW	0.05	0.11	0.19	0.26	0.45
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
2000	0.48	Input kW	0.05	0.09	0.17	0.26	0.40
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
2200	0.44	Input kW	0.04	0.08	0.15	0.21	0.34
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
2500	0.38	Input kW	0.03	0.08	0.14	0.19	0.31
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
2800	0.34	Input kW	0.03	0.07	0.12	0.16	0.28
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
3200	0.30	Input kW	0.03	0.06	0.10	0.15	0.25
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
3600	0.27	Input kW	0.03	0.05	0.09	0.13	0.22
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
4000	0.24	Input kW	0.02	0.05	0.08	0.12	0.20
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
4500	0.21	Input kW	0.02	0.03	0.07	0.11	0.16
		Output Torque Nm	665.	1160.	2900.	4220.	7250.
5000	0.19	Input kW	0.01	0.03	0.07	0.09	0.15
		Output Torque Nm	665.	1160.	2900.	4220.	7250.
5600	0.17	Input kW	0.01	0.02	0.06	0.08	0.13
		Output Torque Nm	665.	1160.	2900.	4220.	7250.

QUINTUPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT				
			F0650	F0750	F0850	F0950	F1050
4500	0.21	Input kW	0.02	0.04	*	*	*
		Output Torque Nm	850.	1720.	*	*	*
5000	0.19	Input kW	0.02	0.04	*	*	*
		Output Torque Nm	850.	1720.	*	*	*
5600	0.17	Input kW	0.02	0.03	*	*	*
		Output Torque Nm	850.	1720.	*	*	*
6300	0.15	Input kW	0.02	0.03	0.05	0.07	0.12
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
7100	0.14	Input kW	0.01	0.03	0.04	0.07	0.11
		Output Torque Nm	850.	1720.	2900.	4220.	7250.
8000	0.12	Input kW	0.01	0.02	0.04	0.06	0.10
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
9000	0.11	Input kW	0.01	0.02	0.03	0.05	0.09
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
10000	0.10	Input kW	0.01	0.02	0.03	0.05	0.08
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
11000	0.09	Input kW	0.01	0.02	0.03	0.04	0.07
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
12000	0.08	Input kW	0.01	0.02	0.02	0.04	0.06
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
14000	0.07	Input kW	0.01	0.01	0.02	0.03	0.06
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
16000	0.06	Input kW	0.01	0.01	0.02	0.03	0.05
		Output Torque Nm	850.	1720.	2900.	4230.	7250.
18000	0.05	Input kW	0.004	0.01	0.02	0.03	0.04
		Output Torque Nm	665.	1160.	2900.	4230.	7250.
20000	0.05	Input kW	0.004	0.01	0.02	0.02	0.04
		Output Torque Nm	665.	1160.	2900.	4230.	7250.

* These ratios are not available on sizes F0850, F0950 and F1050

DOUBLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0420	F0620	F0720	F0820	F0920	F1020
5.0	144.71	Input kW	2.58	6.38	6.44	13.20	37.00	39.10
		Output Torque Nm	168.	413.	424.	858.	2420.	2560.
6.3	114.90	Input kW	2.58	6.38	6.44	13.20	33.20	39.10
		Output Torque Nm	208.	513.	528.	1050.	2800.	3220.
7.1	101.97	Input kW	2.58	5.92	6.44	13.20	32.10	39.10
		Output Torque Nm	237.	539.	589.	1220.	2890.	3580.
8.0	90.51	Input kW	2.58	5.69	6.44	13.20	30.40	39.10
		Output Torque Nm	261.	581.	661.	1350.	3070.	3900.
9.0	80.47	Input kW	2.58	5.09	6.44	13.20	28.70	38.80
		Output Torque Nm	296.	583.	728.	1510.	3250.	4390.
10.	72.50	Input kW	2.56	5.69	6.44	13.20	27.00	37.10
		Output Torque Nm	320.	723.	823.	1680.	3500.	4850.
11.	65.91	Input kW	2.32	4.93	6.44	13.20	25.30	33.80
		Output Torque Nm	339.	718.	951.	1950.	3680.	4980.
12.	60.42	Input kW	2.17	4.70	6.44	12.70	23.60	32.30
		Output Torque Nm	361.	776.	1080.	2110.	3850.	5140.
14.	51.79	Input kW	2.07	4.44	6.44	12.70	22.20	30.10
		Output Torque Nm	373.	804.	1180.	2300.	4170.	5580.
16.	45.31	Input kW	1.84	3.92	6.44	11.90	20.10	28.80
		Output Torque Nm	378.	805.	1350.	2420.	4220.	5750.
18.	40.28	Input kW	1.68	2.66	5.39	10.10	19.10	26.10
		Output Torque Nm	378.	601.	1210.	2310.	4310.	6050.
20.	36.25	Input kW	1.48	2.51	5.09	9.14	16.80	24.10
		Output Torque Nm	378.	659.	1310.	2440.	4310.	6340.
22.	32.95	Input kW	1.38	2.66	5.39	9.43	14.50	23.10
		Output Torque Nm	386.	748.	1500.	2640.	4220.	6740.
25.	29.00	Input kW	1.22	2.46	5.09	8.22	12.70	21.40
		Output Torque Nm	386.	805.	1630.	2680.	4220.	7050.
28.	25.89	Input kW	0.77	2.15	4.33	5.25	11.80	17.80
		Output Torque Nm	282.	798.	1590.	1920.	4310.	6400.
32.	22.66	Input kW	0.76	2.05	3.99	4.56	10.70	16.00
		Output Torque Nm	303.	811.	1660.	1880.	4310.	6400.
36.	20.14	Input kW	0.77	1.74	3.76	5.25	9.00	16.00
		Output Torque Nm	349.	806.	1720.	2350.	4220.	7250.
40.	18.13	Input kW	0.76	1.69	3.33	4.56	8.10	14.50
		Output Torque Nm	375.	806.	1720.	2300.	4220.	7250.
45.	16.11	Input kW	0.62	1.40	2.90	3.63	7.57	11.20
		Output Torque Nm	353.	811.	1660.	2110.	4310.	6400.
50.	14.50	Input kW	0.46	1.28	2.51	3.15	6.85	9.77
		Output Torque Nm	299.	811.	1570.	2010.	4310.	6400.
56.	12.95	Input kW	0.54	1.12	2.41	3.63	5.75	10.10
		Output Torque Nm	386.	806.	1720.	2580.	4220.	7250.
63.	11.51	Input kW	0.46	1.02	2.20	3.15	5.21	8.82
		Output Torque Nm	369.	806.	1720.	2460.	4220.	7250.
71.	10.21	Input kW	0.33	0.62	1.08	2.82	4.58	6.98
		Output Torque Nm	282.	535.	931.	2410.	3950.	6170.
80.	9.06	Input kW	0.26	0.40	0.80	2.02	3.78	5.92
		Output Torque Nm	251.	381.	764.	1980.	3660.	5610.
90.	8.06	Input kW	0.33	0.62	1.08	2.67	3.80	6.54
		Output Torque Nm	349.	665.	1160.	2790.	4220.	7250.
100	7.25	Input kW	0.26	0.40	0.80	2.02	3.38	5.92
		Output Torque Nm	310.	473.	951.	2420.	4220.	7050.

TRIPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0430	F0630	F0730	F0830	F0930	F1030
63.	11.51	Input kW	0.47	1.01	2.07	*	*	*
		Output Torque Nm	378.	811.	1660.	*	*	*
71.	10.21	Input kW	0.41	0.89	1.78	*	*	*
		Output Torque Nm	378.	811.	1660.	*	*	*
80.	9.06	Input kW	0.39	0.81	1.72	*	*	*
		Output Torque Nm	386.	806.	1720.	*	*	*
90.	8.06	Input kW	0.34	0.71	1.48	*	*	*
		Output Torque Nm	386.	806.	1720.	*	*	*
100	7.25	Input kW	0.31	0.62	1.26	2.13	3.32	4.91
		Output Torque Nm	378.	812.	1660.	2780.	4310.	6400.
112	6.47	Input kW	0.26	0.57	1.18	1.89	2.99	4.42
		Output Torque Nm	378.	815.	1660.	2780.	4310.	6400.
125	5.80	Input kW	0.25	0.49	1.05	1.75	2.53	4.44
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
140	5.18	Input kW	0.22	0.45	0.98	1.55	2.28	3.99
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
160	4.53	Input kW	0.19	0.42	0.81	1.34	2.12	3.10
		Output Torque Nm	378.	851.	1660.	2780.	4310.	6400.
180	4.03	Input kW	0.17	0.37	0.74	1.22	1.92	2.70
		Output Torque Nm	378.	863.	1660.	2780.	4310.	6400.
200	3.63	Input kW	0.16	0.32	0.67	1.10	1.62	2.80
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
225	3.22	Input kW	0.14	0.28	0.62	1.00	1.46	2.43
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
250	2.90	Input kW	0.11	0.29	0.54	0.91	1.40	2.00
		Output Torque Nm	353.	891.	1660.	2780.	4310.	6400.
280	2.59	Input kW	0.10	0.26	0.40	0.79	1.25	1.86
		Output Torque Nm	342.	892.	1350.	2780.	4310.	6400.
315	2.30	Input kW	0.10	0.21	0.45	0.75	1.07	1.80
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
355	2.04	Input kW	0.09	0.19	0.40	0.65	0.95	1.68
		Output Torque Nm	388.	806.	1680.	2790.	4230.	7250.

* These ratios are not available on sizes F0830, F0930 and F1030

DOUBLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0420	F0620	F0720	F0820	F0920	F1020
5.0	95.81	Input kW	1.71	4.22	4.26	8.73	25.90	25.90
		Output Torque Nm	169.	413.	425.	859.	2550.	2560.
6.3	76.07	Input kW	1.71	4.22	4.26	8.73	24.90	25.90
		Output Torque Nm	208.	514.	529.	1050.	3160.	3220.
7.1	67.51	Input kW	1.71	3.92	4.26	8.73	23.60	25.90
		Output Torque Nm	237.	540.	589.	1220.	3210.	3590.
8.0	59.93	Input kW	1.71	3.77	4.26	8.73	22.30	25.90
		Output Torque Nm	261.	582.	662.	1350.	3400.	3900.
9.0	53.27	Input kW	1.71	3.37	4.26	8.73	21.00	25.90
		Output Torque Nm	296.	583.	728.	1510.	3580.	4430.
10.	48.00	Input kW	1.71	3.77	4.26	8.73	20.20	25.90
		Output Torque Nm	322.	724.	824.	1680.	3970.	4900.
11.	43.64	Input kW	1.71	3.27	4.26	8.73	18.30	25.30
		Output Torque Nm	376.	719.	951.	1950.	4030.	5630.
12.	40.00	Input kW	1.51	3.11	4.26	8.73	16.90	24.20
		Output Torque Nm	378.	776.	1080.	2190.	4150.	5820.
14.	34.29	Input kW	1.41	2.94	4.26	8.73	14.90	22.60
		Output Torque Nm	386.	805.	1180.	2390.	4220.	6310.
16.	30.00	Input kW	1.25	2.60	4.26	8.69	13.30	21.50
		Output Torque Nm	386.	805.	1350.	2670.	4220.	6510.
18.	26.67	Input kW	1.11	1.76	3.57	7.28	12.60	18.20
		Output Torque Nm	378.	602.	1210.	2520.	4310.	6400.
20.	24.00	Input kW	0.98	1.66	3.37	6.58	11.10	16.10
		Output Torque Nm	378.	660.	1310.	2650.	4310.	6400.
22.	21.82	Input kW	0.92	1.76	3.57	6.49	9.60	16.50
		Output Torque Nm	386.	748.	1500.	2750.	4220.	7250.
25.	19.20	Input kW	0.81	1.63	3.37	5.65	8.43	14.50
		Output Torque Nm	386.	806.	1630.	2790.	4220.	7250.
28.	17.14	Input kW	0.51	1.42	2.87	3.47	7.84	11.80
		Output Torque Nm	282.	796.	1590.	1920.	4310.	6400.
32.	15.00	Input kW	0.50	1.35	2.64	3.02	7.06	10.60
		Output Torque Nm	303.	811.	1660.	1880.	4310.	6400.
36.	13.33	Input kW	0.51	1.16	2.49	3.47	5.95	10.60
		Output Torque Nm	349.	806.	1720.	2350.	4220.	7250.
40.	12.00	Input kW	0.50	1.08	2.20	3.02	5.36	9.56
		Output Torque Nm	375.	806.	1720.	2300.	4220.	7250.
45.	10.67	Input kW	0.41	0.93	1.92	2.40	5.01	7.44
		Output Torque Nm	353.	811.	1660.	2110.	4310.	6400.
50.	9.60	Input kW	0.31	0.85	1.66	2.09	4.53	6.46
		Output Torque Nm	299.	811.	1570.	2010.	4310.	6400.
56.	8.57	Input kW	0.36	0.74	1.60	2.40	3.81	6.72
		Output Torque Nm	386.	806.	1720.	2560.	4220.	7250.
63.	7.62	Input kW	0.31	0.68	1.46	2.09	3.45	5.83
		Output Torque Nm	370.	806.	1720.	2460.	4220.	7250.
71.	6.76	Input kW	0.23	0.41	0.71	1.87	3.03	4.62
		Output Torque Nm	293.	535.	932.	2410.	3950.	6170.
80.	6.00	Input kW	0.17	0.26	0.53	1.42	2.50	3.92
		Output Torque Nm	251.	381.	764.	2100.	3660.	5610.
90.	5.33	Input kW	0.23	0.41	0.71	1.77	2.51	4.33
		Output Torque Nm	362.	665.	1160.	2790.	4230.	7250.
100	4.80	Input kW	0.17	0.26	0.53	1.42	2.24	3.92
		Output Torque Nm	310.	474.	951.	2570.	4230.	7050.

TRIPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0430	F0630	F0730	F0830	F0930	F1030
63.	7.62	Input kW	0.31	0.67	1.37	*	*	*
		Output Torque Nm	378.	812.	1660.	*	*	*
71.	6.76	Input kW	0.27	0.59	1.18	*	*	*
		Output Torque Nm	378.	812.	1660.	*	*	*
80.	6.00	Input kW	0.26	0.53	1.14	*	*	*
		Output Torque Nm	388.	806.	1720.	*	*	*
90.	5.33	Input kW	0.23	0.47	0.98	*	*	*
		Output Torque Nm	388.	806.	1720.	*	*	*
100	4.80	Input kW	0.20	0.43	0.83	1.41	2.20	3.25
		Output Torque Nm	378.	847.	1660.	2780.	4310.	6400.
112	4.29	Input kW	0.17	0.40	0.78	1.25	1.98	2.93
		Output Torque Nm	378.	858.	1660.	2780.	4310.	6400.
125	3.84	Input kW	0.17	0.33	0.69	1.15	1.67	2.93
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
140	3.43	Input kW	0.14	0.30	0.65	1.02	1.51	2.64
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
160	3.00	Input kW	0.12	0.29	0.54	0.89	1.40	2.05
		Output Torque Nm	378.	892.	1660.	2780.	4310.	6400.
180	2.67	Input kW	0.11	0.26	0.49	0.81	1.27	1.78
		Output Torque Nm	378.	892.	1660.	2780.	4310.	6400.
200	2.40	Input kW	0.10	0.21	0.45	0.73	1.07	1.85
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
225	2.13	Input kW	0.09	0.19	0.41	0.66	0.97	1.61
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
250	1.92	Input kW	0.08	0.19	0.36	0.60	0.93	1.32
		Output Torque Nm	353.	892.	1660.	2780.	4310.	6400.
280	1.71	Input kW	0.06	0.17	0.26	0.53	0.83	1.23
		Output Torque Nm	342.	892.	1350.	2780.	4310.	6400.
315	1.52	Input kW	0.07	0.14	0.30	0.49	0.71	1.19
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
355	1.35	Input kW	0.06	0.12	0.26	0.43	0.63	1.11
		Output Torque Nm	388.	806.	1680.	2790.	4230.	7250.

* These ratios are not available on sizes F0830, F0930 and F1030

DOUBLE REDUCTION

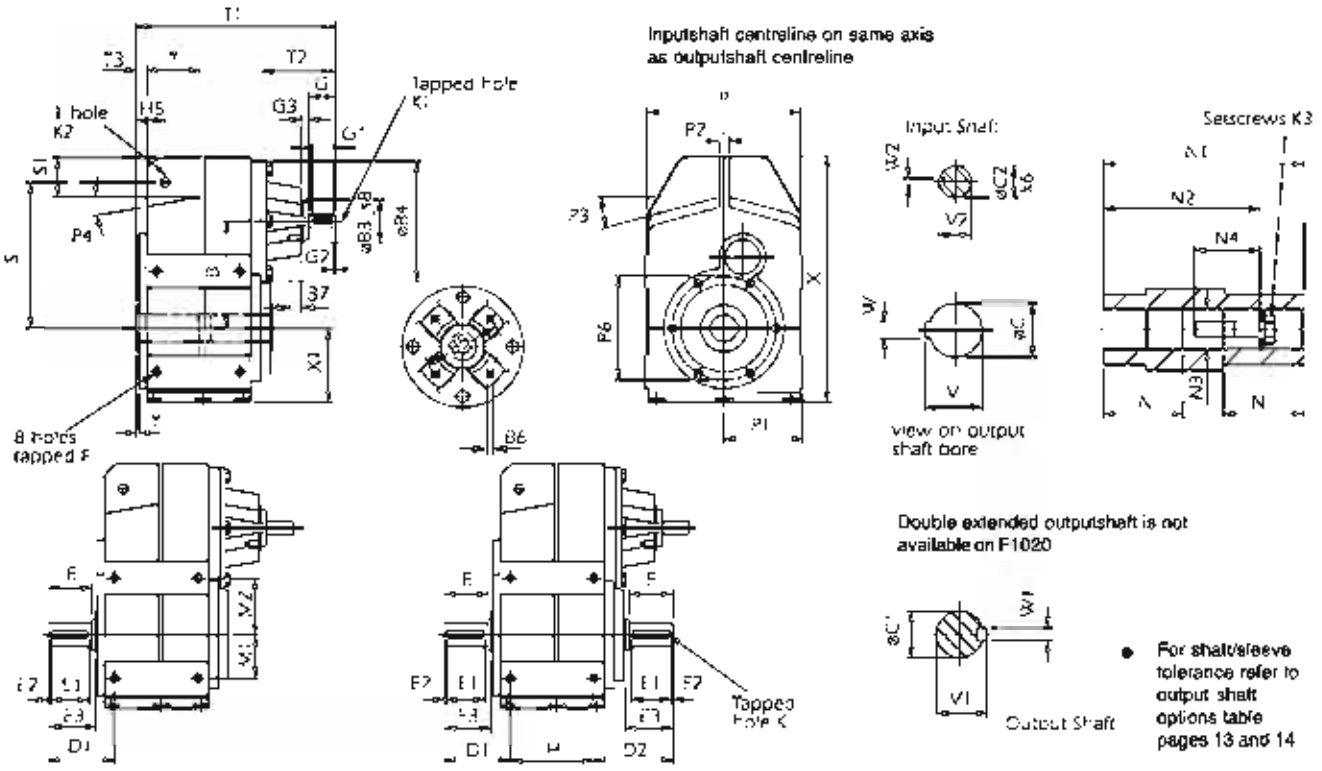
NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0420	F0620	F0720	F0820	F0920	F1020
5.0	49.90	Input kW	0.89	2.20	2.22	4.55	13.50	13.50
		Output Torque Nm	169.	414.	425.	860.	2560.	2570.
6.3	39.62	Input kW	0.89	2.20	2.22	4.55	13.50	13.50
		Output Torque Nm	209.	514.	530.	1050.	3300.	3230.
7.1	35.16	Input kW	0.89	2.04	2.22	4.55	13.50	13.50
		Output Torque Nm	237.	540.	590.	1220.	3520.	3590.
8.0	31.21	Input kW	0.89	1.96	2.22	4.55	13.30	13.50
		Output Torque Nm	261.	582.	663.	1360.	3900.	3900.
9.0	27.75	Input kW	0.89	1.75	2.22	4.55	12.50	13.50
		Output Torque Nm	296.	584.	729.	1510.	4110.	4430.
10.	25.00	Input kW	0.89	1.96	2.22	4.55	11.20	13.50
		Output Torque Nm	323.	724.	825.	1680.	4220.	4900.
11.	22.73	Input kW	0.89	1.70	2.22	4.55	10.20	13.50
		Output Torque Nm	376.	719.	952.	1950.	4310.	5770.
12.	20.83	Input kW	0.79	1.62	2.22	4.55	9.12	13.50
		Output Torque Nm	378.	776.	1080.	2190.	4310.	6230.
14.	17.86	Input kW	0.74	1.53	2.22	4.55	7.74	13.50
		Output Torque Nm	386.	806.	1180.	2390.	4220.	7250.
16.	15.63	Input kW	0.65	1.35	2.22	4.55	6.93	12.50
		Output Torque Nm	386.	806.	1350.	2680.	4220.	7250.
18.	13.89	Input kW	0.58	0.92	1.86	4.02	6.58	9.49
		Output Torque Nm	378.	602.	1210.	2670.	4310.	6400.
20.	12.50	Input kW	0.51	0.86	1.75	3.57	5.77	8.39
		Output Torque Nm	378.	660.	1310.	2760.	4310.	6400.
22.	11.36	Input kW	0.48	0.92	1.86	3.42	5.00	8.56
		Output Torque Nm	386.	749.	1500.	2790.	4220.	7250.
25.	10.00	Input kW	0.42	0.85	1.75	2.94	4.39	7.57
		Output Torque Nm	386.	806.	1630.	2790.	4220.	7250.
28.	8.93	Input kW	0.26	0.74	1.49	1.81	4.08	6.13
		Output Torque Nm	282.	798.	1590.	1920.	4310.	6400.
32.	7.81	Input kW	0.26	0.71	1.38	1.57	3.67	5.52
		Output Torque Nm	304.	812.	1660.	1880.	4310.	6400.
36.	6.94	Input kW	0.26	0.60	1.29	1.81	3.10	5.53
		Output Torque Nm	349.	806.	1720.	2350.	4230.	7250.
40.	6.25	Input kW	0.26	0.56	1.15	1.57	2.79	4.98
		Output Torque Nm	375.	806.	1720.	2310.	4230.	7250.
45.	5.56	Input kW	0.21	0.49	1.00	1.25	2.61	3.87
		Output Torque Nm	353.	830.	1660.	2110.	4310.	6400.
50.	5.00	Input kW	0.16	0.46	0.86	1.09	2.36	3.37
		Output Torque Nm	299.	838.	1570.	2010.	4310.	6400.
56.	4.46	Input kW	0.19	0.39	0.83	1.25	1.98	3.50
		Output Torque Nm	388.	806.	1720.	2590.	4230.	7250.
63.	3.97	Input kW	0.16	0.35	0.76	1.09	1.79	3.04
		Output Torque Nm	370.	806.	1720.	2460.	4230.	7250.
71.	3.52	Input kW	0.13	0.21	0.37	0.97	1.58	2.41
		Output Torque Nm	312.	535.	932.	2410.	3950.	6170.
80.	3.13	Input kW	0.09	0.14	0.28	0.76	1.30	2.04
		Output Torque Nm	251.	381.	764.	2150.	3660.	5610.
90.	2.78	Input kW	0.13	0.21	0.37	0.92	1.31	2.25
		Output Torque Nm	386.	666.	1160.	2790.	4230.	7250.
100	2.50	Input kW	0.09	0.14	0.28	0.76	1.17	2.04
		Output Torque Nm	310.	474.	951.	2630.	4230.	7050.

TRIPLE REDUCTION

NOMINAL RATIO	NOMINAL OUTPUT SPEED REV / MIN	CAPACITY	SIZES OF UNIT					
			F0430	F0630	F0730	F0830	F0930	F1030
63.	3.97	Input kW	0.16	0.37	0.71	*	*	*
		Output Torque Nm	378.	883.	1660.	*	*	*
71.	3.52	Input kW	0.14	0.33	0.61	*	*	*
		Output Torque Nm	378.	876.	1660.	*	*	*
80.	3.13	Input kW	0.13	0.28	0.59	*	*	*
		Output Torque Nm	388.	806.	1720.	*	*	*
90.	2.78	Input kW	0.12	0.24	0.51	*	*	*
		Output Torque Nm	388.	806.	1720.	*	*	*
100	2.50	Input kW	0.11	0.23	0.43	0.73	1.14	1.69
		Output Torque Nm	378.	892.	1660.	2780.	4310.	6400.
112	2.23	Input kW	0.09	0.22	0.41	0.65	1.03	1.52
		Output Torque Nm	378.	892.	1660.	2780.	4310.	6400.
125	2.00	Input kW	0.09	0.17	0.36	0.60	0.87	1.53
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
140	1.79	Input kW	0.07	0.16	0.34	0.53	0.78	1.37
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
160	1.56	Input kW	0.06	0.15	0.28	0.46	0.73	1.07
		Output Torque Nm	378.	892.	1660.	2780.	4310.	6400.
180	1.39	Input kW	0.06	0.13	0.26	0.42	0.66	0.99
		Output Torque Nm	378.	892.	1660.	2780.	4310.	6400.
200	1.25	Input kW	0.05	0.11	0.23	0.38	0.56	0.96
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
225	1.11	Input kW	0.05	0.10	0.21	0.34	0.50	0.84
		Output Torque Nm	388.	806.	1720.	2790.	4230.	7250.
250	1.00	Input kW	0.04	0.10	0.19	0.31	0.48	0.69
		Output Torque Nm	353.	894.	1660.	2780.	4310.	6400.
280	0.89	Input kW	0.03	0.09	0.14	0.27	0.43	0.64
		Output Torque Nm	342.	898.	1350.	2780.	4310.	6400.
315	0.79	Input kW	0.04	0.07	0.16	0.26	0.37	0.62
		Output Torque Nm	390.	808.	1720.	2790.	4230.	7250.
355	0.70	Input kW	0.03	0.07	0.14	0.22	0.33	0.58
		Output Torque Nm	396.	820.	1680.	2790.	4230.	7250.

* These ratios are not available on sizes F0830, F0930 and F1030

F			2	0				W	R	STANDARD UNIT



● For shaft/sleeve tolerance refer to output shaft options table pages 13 and 14

SIZE	B	øB3	øB4	øB5	B6	B7	øC●	øC1●	øC2	D1	D2	E	E1	E2	E3	F	G	G1	G2
F0420	120	65	140	90	4 x M8	16	30	30	16	85	97	57	50	3	61	M10x1.5x17	40	32	4
F0620	160	78	180	115	4 x M10	17	40	35	19	99	118	68	68	3	71	M12x1.75x20	40	32	4
F0720	200	98	212	145	4 x M12	20	50	50	24	121	146	86	80	3	91	M16x2x25	50	40	5
F0820	226	98	250	145	4 x M12	20	60	60	28	155	180	114	100	3	120	M16x2x24	80	50	5
F0920	274	125	300	175	4 x M16	30	70	70	38	179	218	135	110	3	141	M16x2Px24	80	70	5
F1020	332	155	360	210	4 x M20	36	80	90	42	213.5	-	172	140	5	172	M20x2Px27	110	70	10

SIZE	G3	H	H5	K	K1	øK2	K3	M1	M2	N	N1	N2	N3	N4	P
F0420	12	90	32	M10x1.5x22	M5x0.8x12.5	14	M10x50L	50	60	67.5	150	122	30.2	42	186
F0620	22	125	41	M16x2x36	M6x1x16	14	M16x70L	85	85	90	200	156	40.2	60	226
F0720	23	150	50	M16x2x36	M8x1.25x19	22	M16x70L	85	115	105	235	183	50.2	60	266
F0820	23	170	62	M20x2.5x42	M10x1.5x22	22	M20x80L	100	100	117.5	265	210	60.2	66	320
F0920	23	215	70	M20x2.5Px42	M12x1.75Px28	27	M20x80L	125	225	147.5	330	270	70.2	66	384
F1020	34	250	88	M20x2.5Px42	M16x2.0x36	27	M20x80L	158	272	165	370	313	80.2	66	454

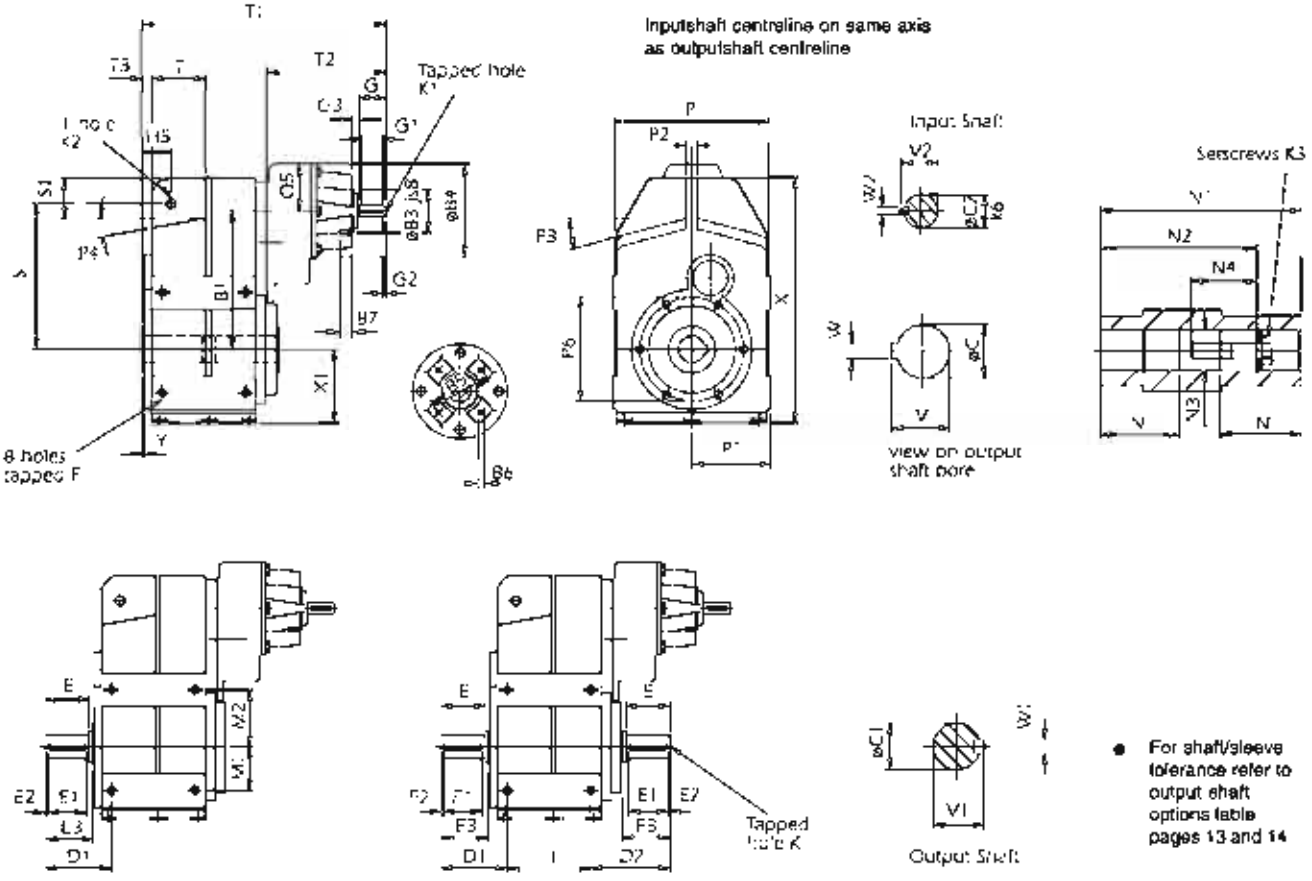
SIZE	P1	P2	P3	P4	P5	S	S1	T	T1	T2	T3	V	V1	V2	W	W1	W2	X	X1	Y
F0420	88	12	11°	10°	4 holes, M8x1.25x14, 130 pcd	170	50	55	248	111	13	33.5	38	18	8	6	5	282	85	3
F0620	116	16	15°	10°	6 holes, M12x1.75x20, 150 pcd	218	59	80	286	111	13	43.5	38	21.5	12	10	6	367	110	2
F0720	140	20	20°	11°	6 holes, M12x1.75x20, 150 pcd	278	68	95	335	115	13	54	53.5	27	14	14	8	449	134	2
F0820	170	26	20°	11°	8 holes, M12x1.75x20, 195 pcd	346	79	105	408	160	15	64.5	64	31	18	18	8	526	148	3
F0920	200	30	20°	11°	6 holes, M16x2Px27, 230 pcd	395	100	131	491	195	19	75	74.5	41	20	20	10	612	175	5
F1020	235	35	17°	10°	10 holes, M16x2Px27, 280 pcd	485	135	152	575.5	233	19.5	85	95	45	22	25	12	748	215	5.5

DIMENSIONS

TRIPLE REDUCTION SIZES F04, F06 & F07

F	0		3	0			W	R

STANDARD UNIT TRIPLE REDUCTION



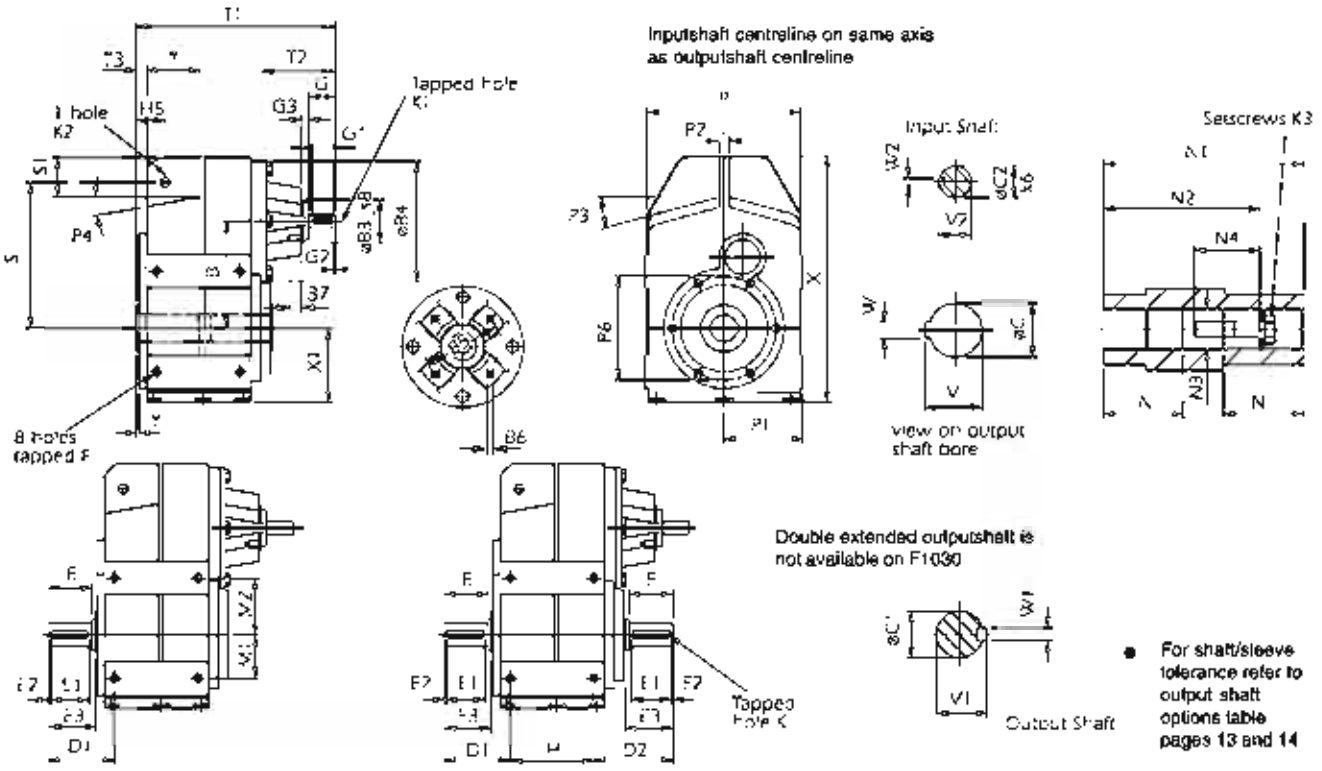
SIZE	B1	øB3	øB4	øB5	B6	B7	øC ●	øC1 ●	øC2	D1	D2	E	E1	E2	E3	F	G	G1	G2	G3
F0430	156	65 js8	140	90	4 x M8	16	30	30	16	85	97	57	50	3	61	M10x1.5x17	40	32	4	12
F0630	207	65 js8	140	90	4 x M8	16	40	35	16	99	118	66	58	3	71	M12x1.75x20	40	32	4	12
F0730	260	78 js8	180	115	4 x M10	17	50	50	19	121	146	86	80	3	91	M16x2x25	40	32	4	23

SIZE	H	H5	K	K1	øK2	K3	M1	M2	N	N1	N2	N3	N4	P	P1
F0430	90	32	M10x1.5x22	M5x0.8x12.5	14	M10x50L	50	60	67.5	150	122	30.2	42	166	88
F0630	125	41	M16x2x36	M6x1x16	14	M16x70L	65	85	90	200	156	40.2	60	226	118
F0730	150	50	M16x2x36	M8x1.25x19	22	M16x70L	85	115	105	235	183	50.2	60	266	140

SIZE	P2	P3	P4	P6	Q5	S	S1	T	T1	T2	T3	V	V1	V2	W	W1	W2	X	X1	Y
F0430	12	11°	10°	4 holes, M8x1.25x14, 130 pcd	70	170	50	55	304	167	13	33.5	33	16	8	8	5	282	85	3
F0630	16	15°	10°	6 holes, M12x1.75x20, 150 pcd	70	218	59	80	362	177	13	43.5	38	18	12	10	5	367	110	2
F0730	20	20°	11°	6 holes, M12x1.75x20, 150 pcd	90	278	68	95	417	197	13	54	53.5	21.5	14	14	6	449	134	2

DIMENSIONS
TRIPLE REDUCTION SIZES F08, F09 & F10

F			3	0			W	R	STANDARD UNIT



● For shaft/sleeve tolerance refer to output shaft options table pages 13 and 14

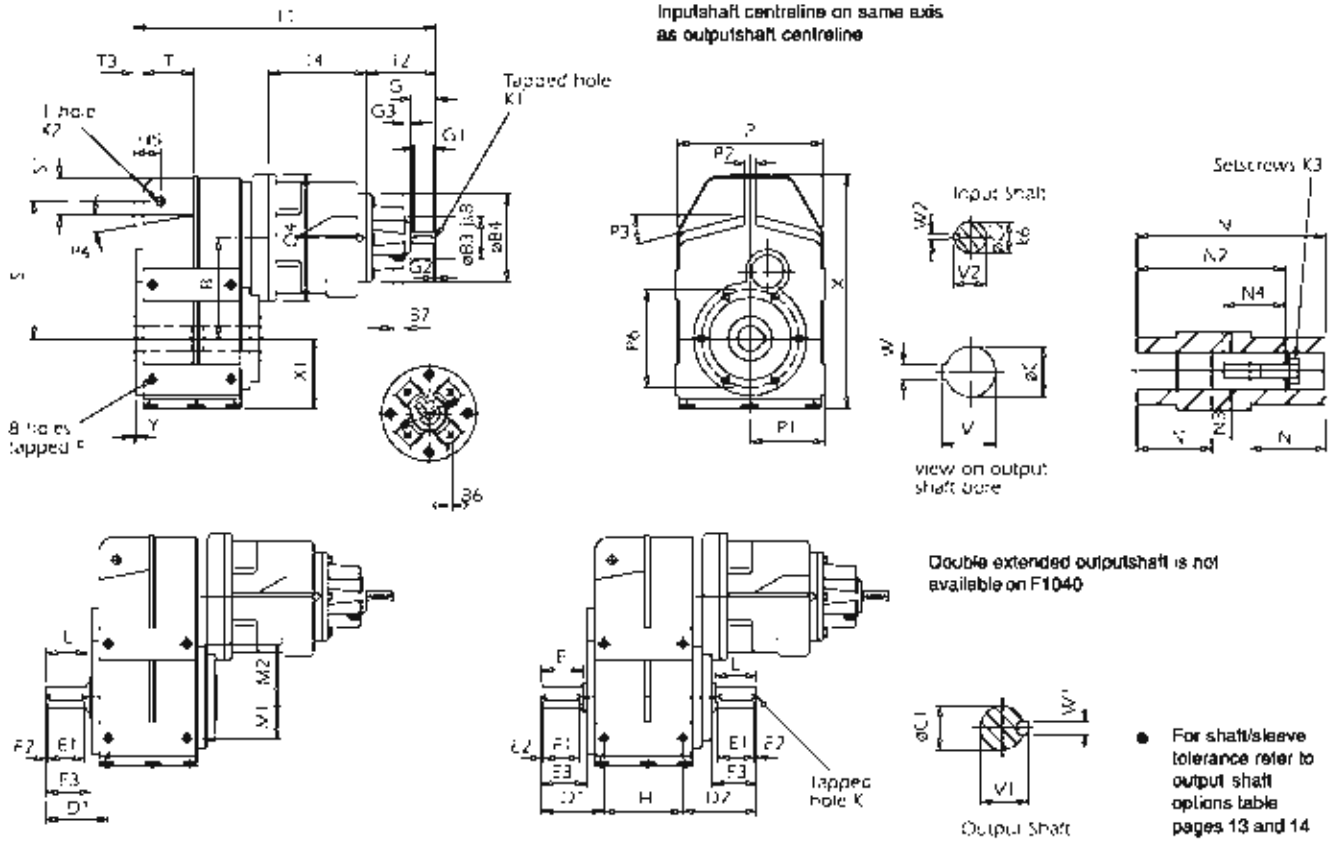
SIZE	B	øB3	øB4	øB5	B6	B7	øC ●	øC1 ●	øC2	D1	D2	E	E1	E2	E3	F	G	G1	G2
F0830	226	96	212	145	4 x M12	20	60	60	24	156	180	114	100	3	120	M16x2x24	50	40	5
F0930	274	96	250	145	4 x M12	20	70	70	28	179	216	136	110	3	141	M16x2Px24	60	50	5
F1030	332	125	300	175	4 x M16	30	80	90	38	213.5	-	172	140	5	172	M20x2Px27	80	70	5

SIZE	G3	H	H5	K	K1	øK2	K3	M1	M2	N	N1	N2	N3	N4	P
F0830	23	170	62	M20x2.5x42	M8x1.25x18	22	M20x80L	100	100	117.5	265	210	60.2	66	320
F0930	23	215	70	M20x2.5Px42	M10x1.5Px22	27	M20x80L	125	225	147.5	330	270	70.2	66	384
F1030	23	250	89	M20x2.5Px42	M12x1.75Px28	27	M20x80L	158	272	165	370	313	80.2	66	454

SIZE	P1	P2	P3	P4	P6	S	S1	T	T1	T2	T3	V	V1	V2	W	W1	W2	X	X1	Y
F0830	170	26	20°	11°	8 holes, M12x1.75x20, 195 pcd	346	79	105	393	145	15	64.5	64	31	18	18	8	526	148	3
F0930	200	30	20°	11°	6 holes, M16x2Px27, 230 pcd	395	100	131	493	197	19	75	74.5	31	20	20	8	612	175	5
F1030	235	36	17°	10°	10 holes, M16x2Px27, 280 pcd	485	136	152	577.5	235	19.5	85	95	41	22	25	10	748	216	5.5

DIMENSIONS
QUADRUPLE REDUCTION

F			4	0			W	R	STANDARD UNIT



● For shaft/sleeve tolerance refer to output shaft options table pages 13 and 14

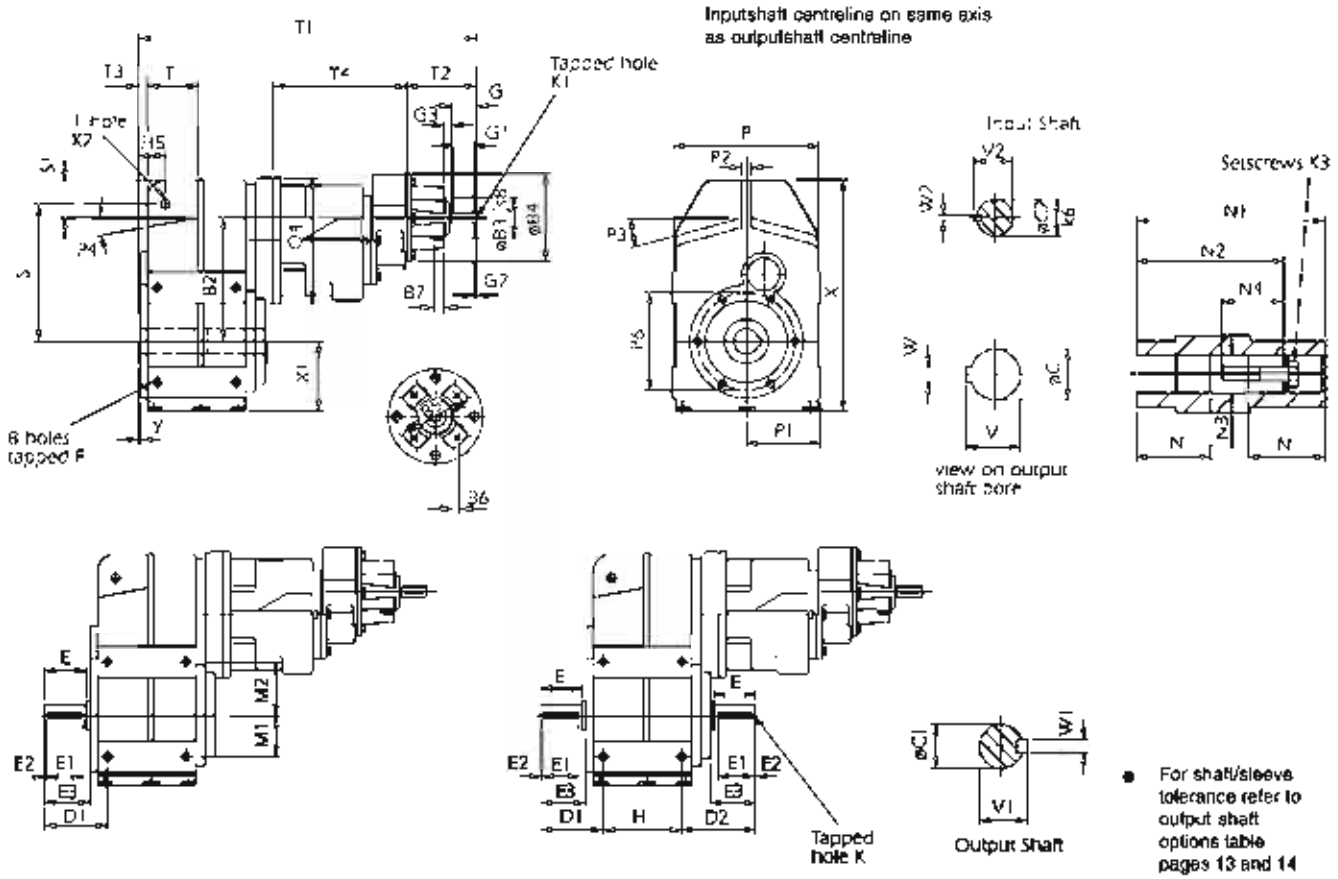
SIZE	B	ø63	ø64	ø65	B6	B7	øC ●	øC1 ●	øC2	D1	D2	E	E1	E2	E3	F	G	G1	G2	G3	H
F0640	160	65	140	90	4 x M8	16	40	35	16	99	118	66	58	3	71	M12x1.75x20	40	32	4	12	125
F0740	200	85	140	90	4 x M8	16	50	50	16	121	146	86	80	3	91	M16x2x25	40	32	4	12	150
F0840	226	78	180	115	4 x M10	17	60	60	19	155	180	114	100	3	120	M16x2x24	40	32	4	22	170
F0940	274	98	212	145	4 x M12	20	70	70	24	179	218	135	110	3	141	M16x2Px24	50	40	5	23	215
F1040	332	98	250	145	4 x M12	20	80	90	28	213.5	-	172	140	5	172	M20x2Px27	60	50	5	23	250

SIZE	H5	K	K1	øK2	K3	M1	M2	N	N1	N2	N3	N4	P	P1	P2
F0640	41	M16x2x36	M5x0.8x12.5	14	M16x70L	65	85	90	200	156	40.2	66	226	116	16
F0740	50	M16x2x36	M5x0.8x12.5	22	M16x70L	85	115	105	235	183	50.2	78	266	140	20
F0840	62	M20x2.5x42	M6x1x16	22	M20x80L	100	100	117.5	265	210	60.2	92.5	320	170	26
F0940	70	M20x2.5Px42	M8x1.25x19	27	M20x80L	125	225	147.5	330	270	70.2	66	394	200	30
F1040	88	M20x2.5Px42	M10x1.5x22	27	M20x80L	158	272	165	370	313	80.2	66	454	235	36

SIZE	P3	P4	P6	Q4	S	S1	T	T1	T2	T3	T4	V	V1	V2	W	W1	W2	X	X1	Y
F0640	15°	10°	6 holes, M12x1.75x20, 150 pcd	200	218	59	80	479	111	13	156	43.5	38	18	12	10	5	387	110	2
F0740	20°	11°	6 holes, M12x1.75x20, 150 pcd	200	278	68	95	521	111	13	156	54	53.5	18	14	14	5	449	134	2
F0840	20°	11°	8 holes, M12x1.75x20, 195 pcd	250	346	79	105	610	111	15	196	64.5	64	21.5	16	18	8	526	146	3
F0940	20°	11°	8 holes, M16x2Px27, 230 pcd	300	395	100	131	720	115	19	245	75	74.5	27	20	20	8	612	175	5
F1040	17°	10°	10 holes, M16x2Px27, 280 pcd	350	485	136	152	879.5	160	19.5	295	85	95	31	22	25	8	748	216	5.5

DIMENSIONS
QUINTUPLE REDUCTION SIZES F06 & F07

F	0		5	0				W	R	STANDARD UNIT QUINTUPLE REDUCTION



SIZE	B2	øB3	øB4	øB5	B6	B7	øC ●	øC1 ●	øC2	D1	D2	E	E1	E2	E3	F	G	G1	G2	G3	H
F0650	196	65	140	90	4 x M8	16	40	35	16	99	118	66	58	3	71	M12x1.75x20	40	32	4	12	125
F0750	236	65	140	90	4 x M8	16	50	50	16	121	146	86	80	3	91	M16x2x25	40	32	4	12	150

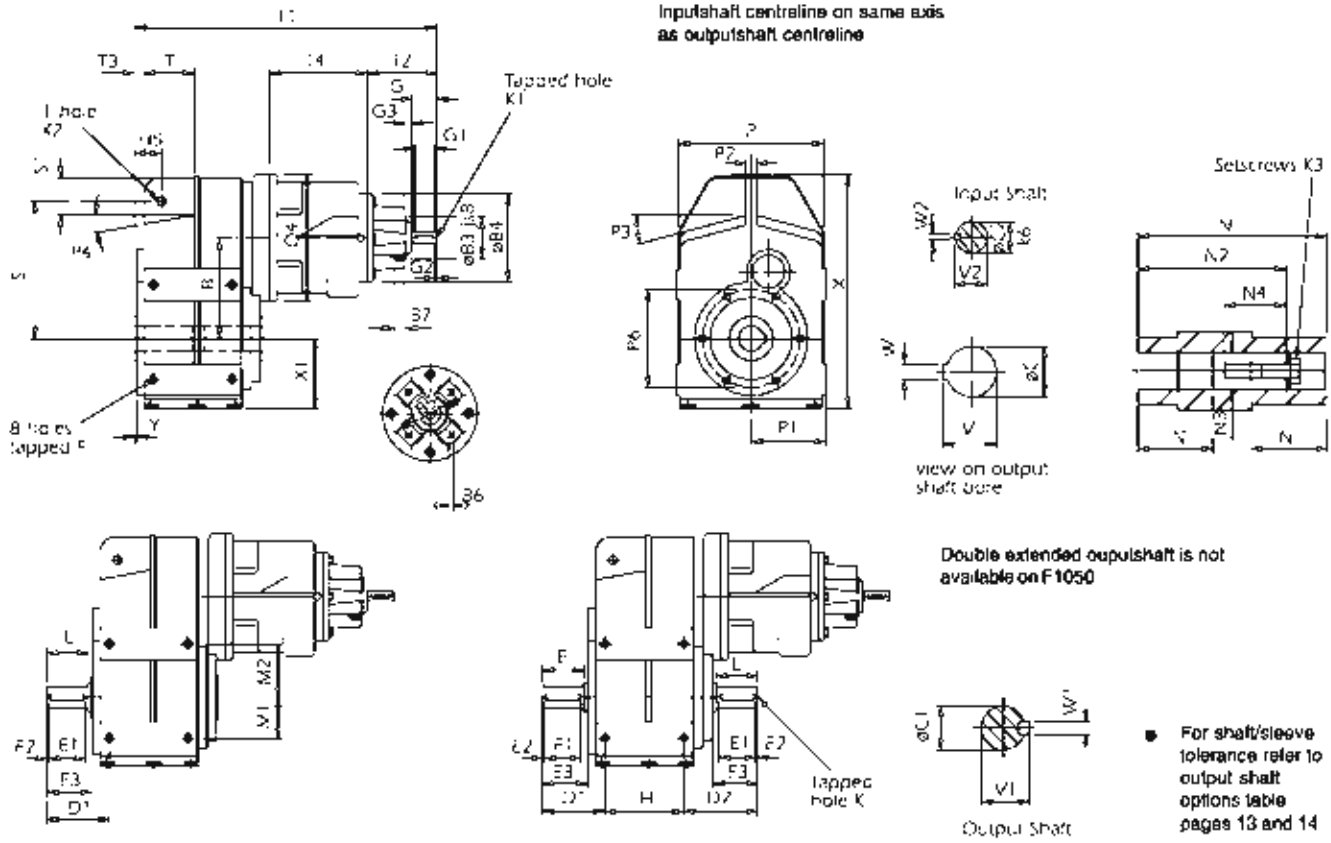
SIZE	H5	K	K1	øK2	K3	M1	M2	N	N1	N2	N3	N4	P	P1	P2
F0650	41	M16x2x36	M5x0.8x12.5	14	M16x70L	65	85	90	200	156	40.2	68	226	118	16
F0750	50	M16x2x36	M5x0.8x12.5	22	M16x70L	85	115	105	235	183	50.2	78	268	140	20

SIZE	P3	P4	P6	Q4	S	S1	T	T1	T2	T3	T4	V	V1	V2	W	W1	W2	X	X1	Y
F0650	15°	10°	6 holes, M12x1.75x20, 150 pcd	200	218	59	80	535	111	13	212	43.5	38	18	12	10	5	367	110	2
F0750	20°	11°	6 holes, M12x1.75x20, 150 pcd	200	278	68	95	577	111	13	212	54	53.5	18	14	14	5	449	134	2

DIMENSIONS

QUINTUPLE REDUCTION SIZES F08, F09 & F10

F			5	0			W	R	STANDARD UNIT



● For shaft/sleeve tolerance refer to output shaft options table pages 13 and 14

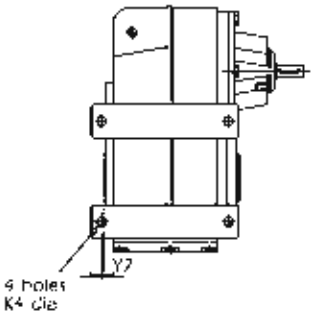
SIZE	B	ø83	ø84	ø85	B6	B7	øC ●	øC1 ●	øC2	D1	D2	E	E1	E2	E3	F	G	G1	G2	G3	H
F0850	226	65	140	90	4 x M8	17	60	60	19	155	180	114	100	3	120	M16 x 2 x 24	40	32	4	12	170
F0950	274	65	140	90	4 x M8	16	70	70	16	179	218	135	110	3	141	M16 x 2P x 24	40	32	4	12	215
F1050	332	65	140	90	4 x M8	16	80	90	16	213.5	-	172	140	5	172	M20 x 2P x 27	40	32	4	12	250

SIZE	H5	K	K1	øK2	K3	M1	M2	N	N1	N2	N3	N4	P	P1	P2
F0850	62	M20 x 2.5 x 42	M5 x 0.8 x 12.5	22	M20 x 80L	100	100	117.5	265	210	80.2	92.5	320	170	26
F0950	70	M20 x 2.5P x 42	M5 x 0.8 x 12.5	27	M20 x 80L	125	225	147.5	330	270	70.2	66	384	200	30
F1050	88	M20 x 2.5P x 42	M5 x 0.8 x 12.5	27	M20 x 80L	158	272	165	370	313	80.2	66	454	235	36

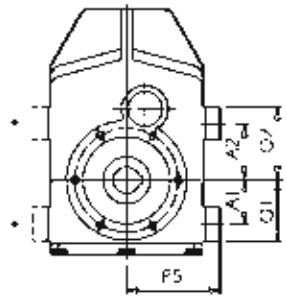
SIZE	P3	P4	P6	Q4	S	S1	T	T1	T2	T3	T4	V	V1	V2	W	W1	W2	X	X1	Y
F0850	20°	11°	8 holes, M16x1.75x20, 195 pcd	250	346	79	105	579	111	15	156	64.5	64	18	18	18	5	528	148	5
F0950	20°	11°	8 holes, M16x2Px27, 230 pcd	200	395	100	131	647	111	19	156	75	74.5	18	20	20	5	612	175	5
F1050	17°	10°	10 holes, M16x2Px27, 280 pcd	200	465	136	152	707.5	111	19.5	156	85	95	18	22	25	5	748	216	5.5

F				0				B	R

STANDARD UNIT WITH FEET

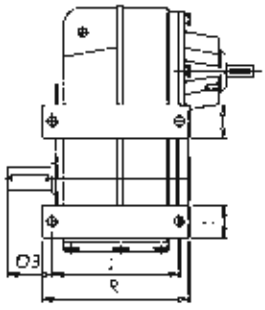


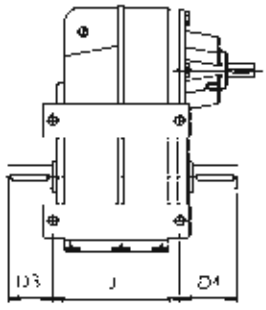
Inputshaft centreline on same axes as outputshaft centreline



* Alternative feet position

Double extended outputshaft is not available on size F10

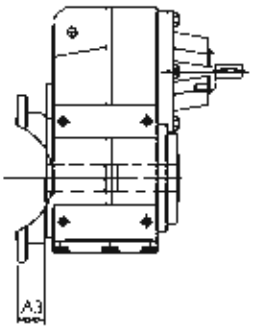




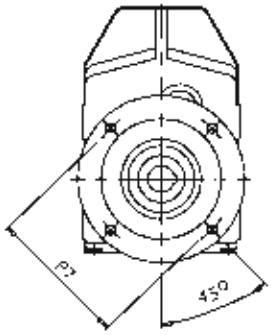
SIZE	A1	A2	D3	D4	J	K4	L	P5	Q1	Q2	R	Y2
F04	50	60	60	72	140	11	35	108	67.5	77.5	165	1
F06	65	85	66.5	85.5	190	14	50	140	90	110	220	4.5
F07	85	115	81	106	230	17.5	60	170	115	145	265	10
F08	100	110	112.5	137.5	255	17.5	60	200	130	130	290	7.5
F09	125	225	136.5	175.5	300	17.5	60	230	155	255	335	4.5
F10	158	272	163.5	-	350	22	75	270	195.5	309.5	400	6.5

F				0				F	R

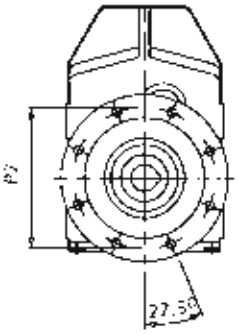
STANDARD UNIT WITH FLANGE



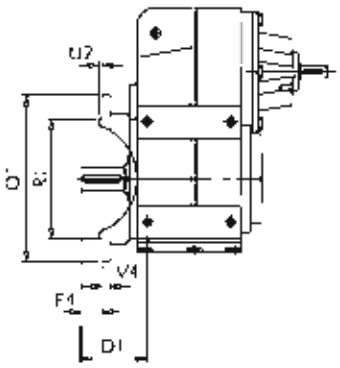
Inputshaft centreline on same axes as outputshaft centreline



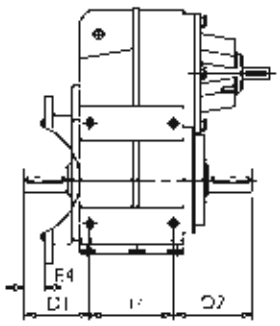
Sizes
F04, F06, F07 & F08



Sizes
F09 & F10

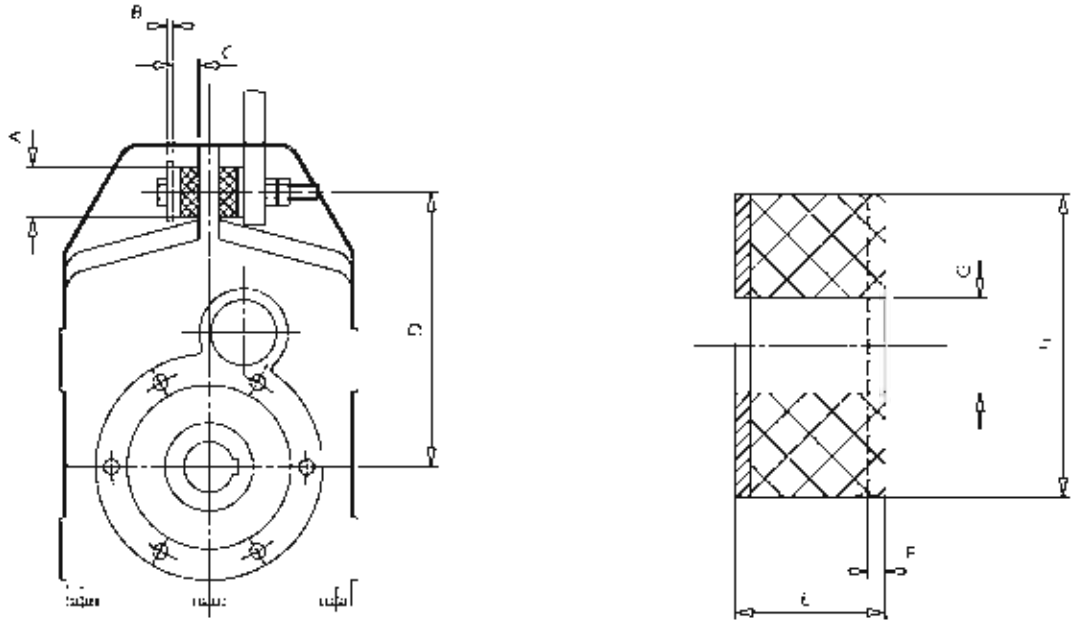


Double extended outputshaft is not available on size F10



SIZE	A3	D1	D2	E4	H	P7	øQ1	øR1	U2	V4
F04	42	85	97	19	90	4 holes, 11 dia on a 165 pcd	200	130 j6	3.5	12
F06	39.5	99	116	31.5	125	4 holes, 14 dia on a 215 pcd	250	180 j6	4	12
F07	39.5	121	146	51.5	150	4 holes, 14 dia on 215 pcd	250	180 j6	4	12
F08	47	155	180	73	170	4 holes, 18 dia on a 300 pcd	350	250 h6	5	18
F09	51	179	216	90	215	8 holes, 18 dia on a 400 pcd	450	350 h6	5	20
F10	60	213.5	-	112	250	8 holes, 18 dia on a 400 pcd	450	350 h6	5	22

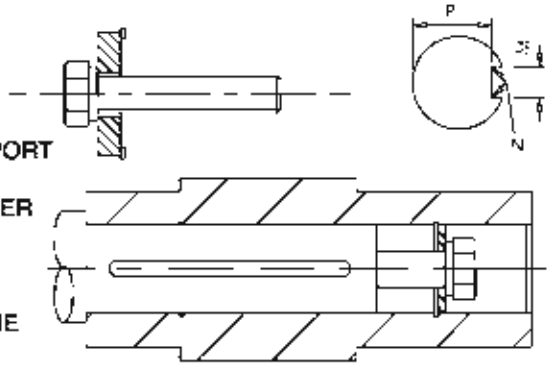
RUBBER BUSHES FOR TORQUE ARM

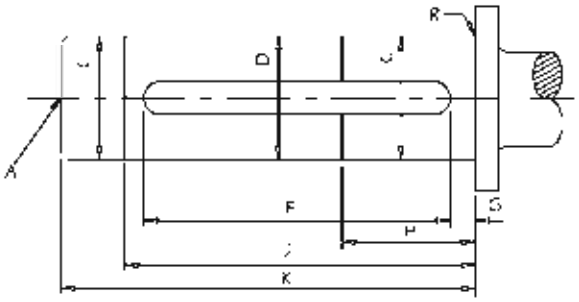


UNIT SIZE	A	B	C	D	E	F	G	H
F04	40	5	20	170	20	1.5	13.0 / 12.5	40
F06	40	5	20	218	20	2.3	13.0 / 12.5	40
F07	60	10	30	278	30	3	21.5 / 21.0	60
F08	60	10	30	346	30	4	21.5 / 21.0	60
F09	80	12	40	395	40	3.7	25.5 / 25.0	80
F10	80	12	40	485	40	6	25.5 / 25.0	80

ASSEMBLY ONTO SHAFT - CUSTOMERS SHAFT DETAIL

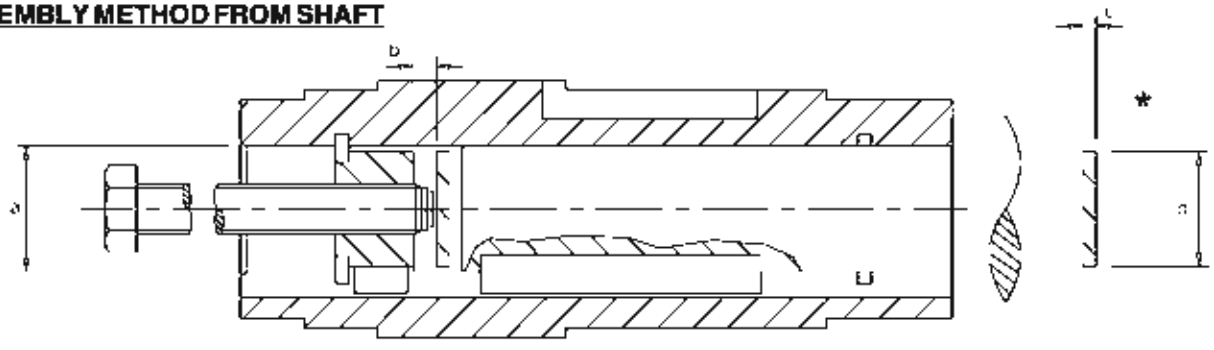
CIRCLIP, SUPPORT WASHER, SPRING WASHER AND FIXING SCREW ARE NOT SUPPLIED WITH THE UNIT



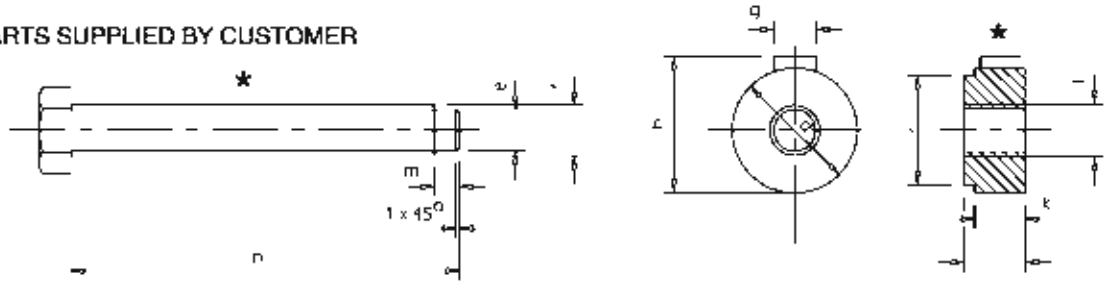


SIZE	A	C	D	F	G	H	J	K	M	N	P	R
F04	M10x 1.5 22 deep	29.993 / 29.980	29.6	79.3 79.0	2	45	84	99	8.000 / 7.964	0.25 0.16R	26.0 25.8	0.8R
F06	M16x 2.0 36 deep	39.991 / 39.975	39.6	93.3 93.0	3	60	106	126	12.000 / 11.957	0.40 0.25R	35.0 34.8	0.8R
F07	M16x 2.0 36 deep	49.991 / 49.975	49.6	101.5 101.0	3	75	126	153	14.000 / 13.957	0.40 0.25R	44.5 44.3	0.8R
F08	M20x 2.5 42 deep	59.990 / 59.971	59.6	148.5 148.0	3	90	143	173	18.000 / 17.957	0.40 0.25R	53.0 52.8	0.8R
F09	M20 x 2.5P 42 deep	69.990 / 69.971	69.6	161.5 161.0	3	105	197	232	20.000 / 19.948	0.6 0.4R	62.5 62.3	0.8R
F10	M20 x 2.5P 42 deep	79.990 / 79.971	79.6	186.5 186.0	5	120	235	275	22.000 / 21.948	0.6 0.4R	71.0 70.8	0.8R

DISASSEMBLY METHOD FROM SHAFT



* PARTS SUPPLIED BY CUSTOMER



SIZE	a	b	c	d	e	f	g	h	j	k	l	m	n
F04	30	4.00	5	29.9	13	M16 x 1.5	8	33	20.8	15	17	5	120
F06	40	5.35	5	39.9	20	M24 x 1.5	12	43	29.9	20	23	5	154
F07	50	10.10	5	49.9	20	M24 x 1.5	14	53.5	39.0	20	23	5	186
F08	60	5.00	8	59.9	26	M30 x 1.5	18	64	47.4	24	27	5	205
F09	70	6.05	8	69.9	26	M30 x 1.5	20	74.5	56.4	24	27	5	273
F10	80	6.00	8	79.9	26	M30 x 1.5	25	95	75.3	24	27	5	316

SHIPPING SPECIFICATION

UNIT SIZE & No OF REDUCTIONS		F0420			F0430			F0620			F0630			F0640			F0650			F0720		
COLUMN 9 ENTRY		W	B	F	W	B	F	W	B	F	W	B	F	W	B	F	W	B	F	W	B	F
OUTPUT SHAFT		0.8			0.8			1.7			1.7			1.7			1.7			3.3		
REDUCER VERSION		19	21	22	22	24	25	43	48	48	48	52	52	55	60	60	59	64	64	70	77	79
MOTORISED	63	Without Motor	19	21	22	22	24	25	42	46	46	47	51	51	54	59	59	*58*	*63*	*63*			
		With Motor	23	25	26	26	28	29	49	53	53	51	55	55	58	63	63						
		With Motor & Brake	24	26	27	27	29	30	50	54	54	52	56	56	59	64	64						
	71	Without Motor	19	21	22	22	24	25	42	46	46	47	51	51	54	59	59	*58*	*63*	*63*			
		With Motor	26	28	29	29	31	32	49	53	53	54	58	58	61	66	66						
		With Motor & Brake	27	29	30	30	32	33	50	54	54	55	59	59	62	67	67						
	80	Without Motor	20	22	23	23	25	26	43	47	47	48	52	52	*55*	*60*	*60*	*59*	*64*	*64*	67	74	76
		With Motor	30	32	33	33	35	36	53	57	57	58	62	62							77	84	86
		With Motor & Brake	32	34	35	35	37	38	55	59	59	60	64	64							79	86	88
	90S	Without Motor	20	22	23	23	25	26	44	48	48	49	55	53	*56*	*61*	*61*				67	74	76
		With Motor	33	35	36	36	38	39	57	61	61	62	66	66							80	87	89
		With Motor & Brake	36	38	39	39	41	42	60	64	64	65	69	69	72	78	78				83	90	92
	90L	Without Motor	20	22	23	23	25	26	44	48	48	49	53	53	*56*	*61*	*61*				67	74	76
		With Motor	35	37	39	38	40	41	59	63	63	64	68	68							82	89	91
		With Motor & Brake	38	40	41	41	43	44	62	66	66	67	71	71	74	79	78				85	92	94
	100	Without Motor	21	23	24	*24*	*26*	*27*	48	52	52	50	54	54							72	79	81
		With Motor	43	45	46	46	48	49	70	74	74	72	76	76							94	101	103
		With Motor & Brake	48	50	51	51	53	54	75	79	79	77	81	81							99	106	108
	112	Without Motor	21	23	24	*24*	*26*	*27*	48	52	52	*50*	*54*	*54*							72	79	81
		With Motor	52	54	55				79	83	83										103	110	112
		With Motor & Brake	57	59	60				84	88	88										108	115	117
	132S	Without Motor							50	54	54										74	81	83
		With Motor							92	96	96										116	123	125
		With Motor & Brake							101	105	105										125	132	134
	132M	Without Motor							50	54	54										74	81	83
		With Motor							102	106	106										126	133	135
		With Motor & Brake							111	115	115										135	142	144
	160M	Without Motor																			78	85	87
		With Motor																			150	157	159
	160L	Without Motor																			78	85	87
		With Motor																			163	170	172

UNIT SIZE & No OF REDUCTIONS		F0730			F0740			F0750			F0820			F0830			F0840			F0850		
COLUMN 9 ENTRY		W	B	F	W	B	F	W	B	F	W	B	F	W	B	F	W	B	F	W	B	F
OUTPUT SHAFT		3.3			3.3			3.3			7.0			7.0			7.0			7.0		
REDUCER VERSION		77	84	86	95	102	104	99	106	108	102	110	119	109	117	126	129	137	146	133	141	158
MOTORISED	63	Without Motor	75	82	84	92	99	101	*97*	*104*	*106*						127	135	144	*126*	*134*	*151*
		With Motor	79	86	88	96	103	105									131	139	148			
		With Motor & Brake	80	87	89	97	104	106									132	140	149			
	71	Without Motor	75	82	84	92	99	101	*97*	*104*	*106*						127	135	144	*126*	*134*	*151*
		With Motor	82	89	91	99	106	108									134	142	151			
		With Motor & Brake	83	90	92	100	107	109									135	143	152			
	80	Without Motor	76	83	85	93	100	102	*98*	*105*	*107*	105	113	122	110	118	127	136	145	*127*	*135*	*152*
		With Motor	86	93	95	103	110	112				115	123	132	120	128	137	146	155			
		With Motor & Brake	88	95	97	105	112	114				117	125	134	122	130	139	148	157			
	90S	Without Motor	77	84	86	*93*	*100*	*102*	*99*	*106*	*108*	105	113	122	110	118	127	136	145	*127*	*135*	*152*
		With Motor	90	97	99							118	126	135	123	131	140	149	156			
		With Motor & Brake	93	100	102							121	129	138	126	134	143	152	161			
	90L	Without Motor	77	84	86	*93*	*100*	*102*	*99*	*106*	*108*	105	113	122	110	118	127	136	145	*129*	*137*	*154*
		With Motor	92	99	101							121	129	138	129	137	146	150	159			
		With Motor & Brake	95	102	104							124	132	141	132	141	149	153	162			
	100	Without Motor	81	88	90	*98*	*105*	*107*				105	113	122	110	118	127	*133*	*141*	*150*	*138*	*146*	*163*
		With Motor	103	110	112							127	135	144	132	140	149					
		With Motor & Brake	108	115	117							132	140	149	137	145	154					
	112	Without Motor	81	88	90	*98*	*105*	*107*				105	113	122	110	118	127	*133*	*141*	*150*	*138*	*146*	*163*
		With Motor	112	119	121							136	144	153	141	149	158					
		With Motor & Brake	117	124	126							141	149	158	146	154	163					
	132S	Without Motor	83	90	92							105	113	122	112	120	129	*135*	*143*	*152*	*140*	*148*	*165*
		With Motor	125	132	134							147	155	164	170	178	187					
		With Motor & Brake	134	141	143							156	164	173	179	187	196					
	132M	Without Motor	*89*	*90*	*92*							105	113	122	112	120	129	*135*	*142*	*152*	*140*	*148*	*165*
		With Motor										157	165	174	164	172	181					
		With Motor & Brake										166	174	183	173	181	190					
	160M	Without Motor										115	123	132	*116*	*124*	*133*					
		With Motor										177	185	194								
	160L	Without Motor										115	123	132	*116*	*124*	*133*					
		With Motor										190	198	207								

FIGURES IN ITALICS INDICATE THAT FRAME SIZE CAN BE FITTED BUT IS BEYOND THE MECHANICAL RATING OF THE UNIT

ALL WEIGHTS IN KG (GIVEN AT THE TOP OF THE TABLE) MUST BE ADDED TO THE FIGURES SHOWN ABOVE

ALL WEIGHTS EXCLUDE LUBRICANT AND ARE FOR SHAFT MOUNTED UNITS, SHAFT WEIGHTS

COLUMN 9 ENTRY [W] - STANDARD UNIT [B] - STANDARD UNIT WITH BASE MOUNTED FEET

[F] - STANDARD UNIT WITH OUTPUT FLANGE

Above figures are indicative and may very as per make of motor

SHIPPING SPECIFICATION

UNIT SIZE & No OF REDUCTIONS		F0920			F0930			F0940			F0950			F1020			F1030			F1040			F1050		
COLUMN 9 ENTRY		W	B	F	W	B	F	W	B	F	W	B	F	W	B	F	W	B	F	W	B	F	W	B	F
OUTPUT SHAFT		10.8			10.8			10.8			10.8			18.5			18.5			18.5			18.5		
REDUCER VERSION		171	180	186	180	189	195	218	227	233	197	206	212	261	276	287	270	285	296	332	347	358	286	301	312
MOTORISED	63 Without Motor										197	206	212										286	301	312
	63 With Motor										201	210	216										290	305	316
	63 With Motor & Brake										202	211	217										291	306	317
	71 Without Motor										197	206	212										286	301	312
	71 With Motor										203	212	218										292	307	318
	71 With Motor & Brake										204	213	219										293	308	319
	80 Without Motor	174	183	189	184	193	199	215	224	230	198	207	213				273	288	299	336	351	362	287	302	313
	80 With Motor	184	193	199	194	203	209	224	233	239	207	216	222				283	298	309	345	360	371	296	311	322
	80 With Motor & Brake	186	195	201	196	205	211	226	235	241	209	218	224				284	299	310	347	362	373	298	313	324
	90S Without Motor	174	183	189	184	193	199	215	224	230	198	207	213				273	288	299	336	351	362	287	302	313
	90S With Motor	187	196	202	197	206	212	228	237	243	211	220	226				286	301	312	349	364	375	300	315	326
	90S With Motor & Brake	189	198	204	200	209	215	231	240	246	214	223	229				289	304	315	351	366	377	303	318	329
	90L Without Motor	174	183	189	184	193	199	215	224	230	198	207	213				273	288	299	336	351	362	287	302	313
	90L With Motor	189	198	204	199	208	214	231	240	246	214	223	229				288	303	314	351	366	377	303	318	329
	90L With Motor & Brake	192	201	207	202	211	217	234	243	249	217	226	232				291	306	317	354	369	380	306	321	332
	100 Without Motor	174	183	189	184	193	199	221	230	236	199	208	214	254	269	280	273	288	299	336	351	362	288	303	314
	100 With Motor	186	195	201	226	235	241	242	251	257	221	230	236	276	291	302	295	310	321	357	372	383	310	325	336
	100 With Motor & Brake	201	210	216	231	240	246	247	256	262	226	235	241	281	296	307	300	315	326	362	377	388	315	330	341
	112 Without Motor	174	183	189	184	193	199	221	230	236	199	208	214	254	269	280	273	288	299	336	351	362	288	303	314
	112 With Motor	205	214	220	215	224	230	251	260	266	230	239	245	285	300	311	304	319	330	367	382	393	319	334	345
	112 With Motor & Brake	210	219	225	219	228	234	256	265	271	235	244	250	290	305	316	309	324	335	374	389	400	324	339	350
	132S Without Motor	174	183	189				222	231	237				254	269	280	273	288	299	336	351	362			
	132S With Motor	216	225	231				264	273	279				296	311	322	315	330	341	378	393	404			
	132S With Motor & Brake	225	234	240				273	282	288				305	320	331	324	339	350	387	402	413			
	132M Without Motor	174	183	189				222	231	237				254	269	280	273	288	299	336	351	362			
	132M With Motor	226	235	241				274	283	289				306	321	332	325	340	351	388	403	414			
	132M With Motor & Brake	235	244	250				283	292	298				315	330	341	334	349	360	397	412	423			
	160M Without Motor	181	190	196				226	235	241				263	278	289	280	295	306	346	361	372			
	160M With Motor	253	262	268				298	307	313				335	350	361	352	367	378	418	433	444			
	160L Without Motor	181	190	196				226	235	241				263	278	289	280	295	306	346	361	372			
	160L With Motor	268	275	281				311	320	326				335	350	361	365	380	391	431	446	457			
	180M Without Motor	181	190	196										263	278	289	280	295	306						
	180M With Motor	289	298	304										371	386	397	388	403	414						
	180L Without Motor	181	190	196										263	278	289	280	295	306						
	180L With Motor	325	334	340										407	422	433	424	439	450						
	200L Without Motor	181	190	196										263	278	289	281	296	307						
	200L With Motor	349	358	364										431	446	457	449	464	475						
	225S Without Motor	195	204	210										277	292	303	295	310	321						
	225S With Motor	402	411	417										484	499	510	502	517	528						
	225M Without Motor	195	204	210										277	292	303	295	310	321						
	225M With Motor	420	429	435										502	517	528	520	535	546						

ALL WEIGHTS IN KG

WEIGHTS ALL WEIGHTS EXCLUDE LUBRICANT AND ARE FOR SHAFT MOUNTED UNITS, SHAFT (GIVEN AT THE TOP OF THE TABLE) MUST BE ADDED TO THE FIGURES SHOWN ABOVE

COLUMN 9 ENTRY [W] - STANDARD UNIT

[B] - STANDARD UNIT WITH BASE MOUNTED FEET

[F] - STANDARD UNIT WITH OUTPUT FLANGE

Above figures are indicative and may very as per make of motor

SHIPPING SPECIFICATION VOLUME

UNIT SIZE & No OF REDUCTIONS			F0420		F0430		F0620		F0630		F0720		F0730		F0820		F0830	
COLUMN 11 ENTRY			H	C/D	H	C/D	H	C/D	H	C/D	H	C/D	H	C/D	H	C/D	H	C/D
REDUCER VERSION			0.012	0.014	0.016	0.019	0.025	0.030	0.032	0.038	0.040	0.051	0.054	0.066	0.069	0.089	0.066	0.086
MOTORISED	63	With Motor	0.015	0.018	0.020	0.023	0.031	0.036	0.038	0.044			0.054	0.064				
		Without Motor	0.006	0.009	0.010	0.013	0.015	0.021	0.022	0.028			0.033	0.043				
	71	With Motor	0.016	0.019	0.021	0.024	0.033	0.039	0.041	0.047			0.057	0.067				
		Without Motor	0.007	0.009	0.010	0.013	0.016	0.022	0.022	0.029			0.034	0.044				
	80	With Motor	0.018	0.021	0.023	0.026	0.035	0.041	0.044	0.050	0.047	0.056	0.059	0.069	0.091	0.111	0.092	0.112
		Without Motor	0.007	0.010	0.011	0.014	0.016	0.022	0.024	0.030	0.023	0.033	0.034	0.044	0.052	0.072	0.053	0.073
	90	With Motor	0.020	0.023			0.039	0.045	0.048	0.054	0.052	0.061	0.065	0.074	0.097	0.117	0.100	0.120
		Without Motor	0.008	0.011			0.017	0.022	0.024	0.031	0.024	0.034	0.035	0.045	0.052	0.072	0.055	0.075
	100/112	With Motor	0.024	0.027			0.048	0.054	0.055	0.061	0.061	0.071	0.077	0.087	0.110	0.130	0.116	0.136
		Without Motor	0.008	0.011			0.020	0.026	0.025	0.031	0.027	0.036	0.040	0.050	0.053	0.073	0.059	0.079
	132	With Motor					0.054	0.060			0.068	0.077	0.084	0.094	0.121	0.141	0.127	0.147
		Without Motor					0.020	0.026			0.027	0.036	0.040	0.050	0.053	0.073	0.059	0.079
	160	With Motor									0.085	0.094			0.148	0.169	0.155	0.175
		Without Motor									0.030	0.039			0.058	0.078	0.064	0.084

UNIT SIZE & No OF REDUCTIONS			F0920		F0930		F1020		F1030	
COLUMN 11 ENTRY			H	C/D	H	C/D	H	C/D	H	C/D
REDUCER VERSION										
MOTORISED	80	With Motor	0.182	0.208	0.190	0.230			0.290	0.359
		Without Motor	0.116	0.157	0.124	0.164			0.197	0.266
	90	With Motor	0.194	0.234	0.201	0.242			0.306	0.375
		Without Motor	0.116	0.157	0.124	0.164			0.197	0.266
	100/112	With Motor	0.215	0.242	0.223	0.263	0.314	0.383	0.336	0.406
		Without Motor	0.118	0.158	0.125	0.166	0.177	0.246	0.200	0.269
	132	With Motor	0.233	0.274			0.338	0.408	0.361	0.431
		Without Motor	0.118	0.158			0.177	0.246	0.200	0.269
	160	With Motor	0.282	0.323			0.407	0.476	0.430	0.499
		Without Motor	0.128	0.168			0.191	0.260	0.214	0.282
	180	With Motor	0.304	0.344			0.437	0.507	0.460	0.529
		Without Motor	0.128	0.168			0.191	0.260	0.214	0.282
	200	With Motor	0.304	0.344			0.437	0.507	0.460	0.529
		Without Motor	0.128	0.168			0.191	0.260	0.214	0.282
	225	With Motor	0.334	0.374			0.479	0.548	0.491	0.560
		Without Motor	0.136	0.176			0.202	0.271	0.224	0.292

ALL VOLUMES IN m^3

COLUMN 11 ENTRY [H] - STANDARD UNIT WITHOUT SHAFT

[C] [D] - STANDARD UNIT WITH SINGLE OR DOUBLE EXTENSION OUTPUT SHAFT

Above figures are indicative and may very as per make of motor

THERMAL POWER RATING

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 Power (kW)

Overall Ratios	Input Rev/min	Unit Size					
		F04	F06	F07	F08	F09	F10
5 to 20	2900	Consult Power Build Limited					
	1750	8.2	15.0	21.3	27.8	41.0	59.2
	< 1450	8.4	15.4	22.0	29.5	42.6	61.2
22 to 56	2900	6.1	10.9	15.7	20.8	30.1	43.3
	1750	7.4	14.5	19.4	25.0	38.7	56.2
	< 1450	7.4	14.5	19.4	25.0	39.3	58.7
63 & over	2900	3.7	7.9	11.1	14.6	21.1	30.1
	1750	6.7	12.4	16.9	23.0	33.6	49.6
	< 1450	6.7	12.4	16.9	23.2	34.0	49.9

Thermal Power (kW) with cooling fan

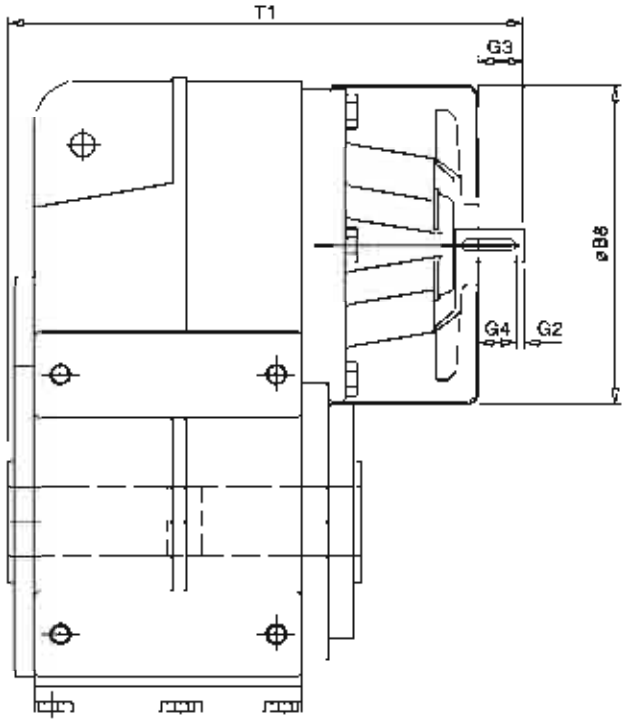
Overall Ratios	Input Rev/min	Unit Size					
		F04	F06	F07	F08	F09	F10
5 to 20	2900	Consult Power Build Limited					
	1750	n/a	n/a	47.9	62.6	92.3	133
	1450			44.0	59.0	85.2	122
	1160			41.8	56.1	80.9	116
	960			27.5	36.4	52.7	75.8
	725			29.1	37.5	58.1	84.3
22 & over	2900	n/a	n/a	35.3	46.8	67.7	97.4
	1750			43.7	56.3	87.1	126
	1450			38.8	50.0	78.6	117
	1160			36.9	47.5	74.7	112
	960			34.0	43.8	68.8	103
	725			29.1	37.5	59.0	88.1

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

Column 10 Entry

For reducer fan kit modules enter [S] in column 10
(or [Y] if used in conjunction with a reducer backstop module kit)

Dimensions of fan cooled units



Unit Size	Moment of Inertia * (Kg cm²)	øB8	G2	G3	G4	T1
F0720	13.1	225	5	35	30	335
F0820	13.1	265	5	45	40	408
F0920	33.5	320	5	65	60	491
F1020	33.5	380	10	95	85	575.5

* Moment of Inertia of fan should be added to inertia value of gear unit on page 71.

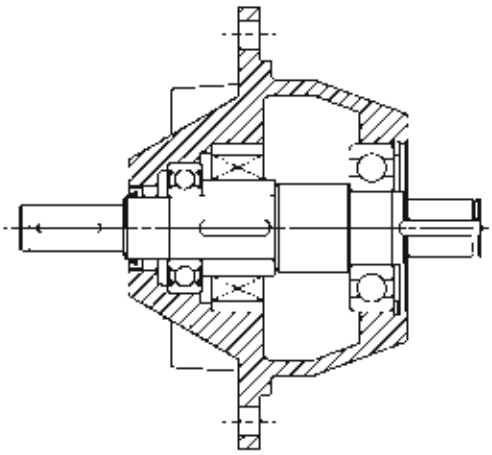
REDUCER BACKSTOP MODULE

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

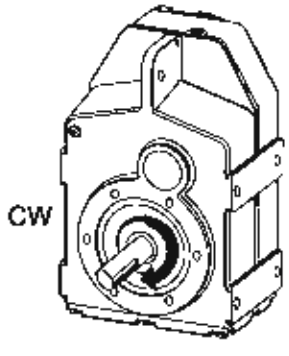
For reducer backstop modules enter [X] in column 10
(or [Y] if used in conjunction with a fan kit)



Unit Size	Lift off Speed ('n' min) (at inputshaft) (rev/min)	Rated Locking Torque ('T max') (at inputshaft) (Nm)
F0720	670	170
F0820	670	300
F0830	670	170
F0920	620	940
F0930	670	300
F1020	550	1260
F1030	670	300

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



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 Power Build Limited 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.

Power Build Limited 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.

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 manufactures 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. Take notice of 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, Power Build Limited 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 Power Build Limited 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 Power Build Limited.