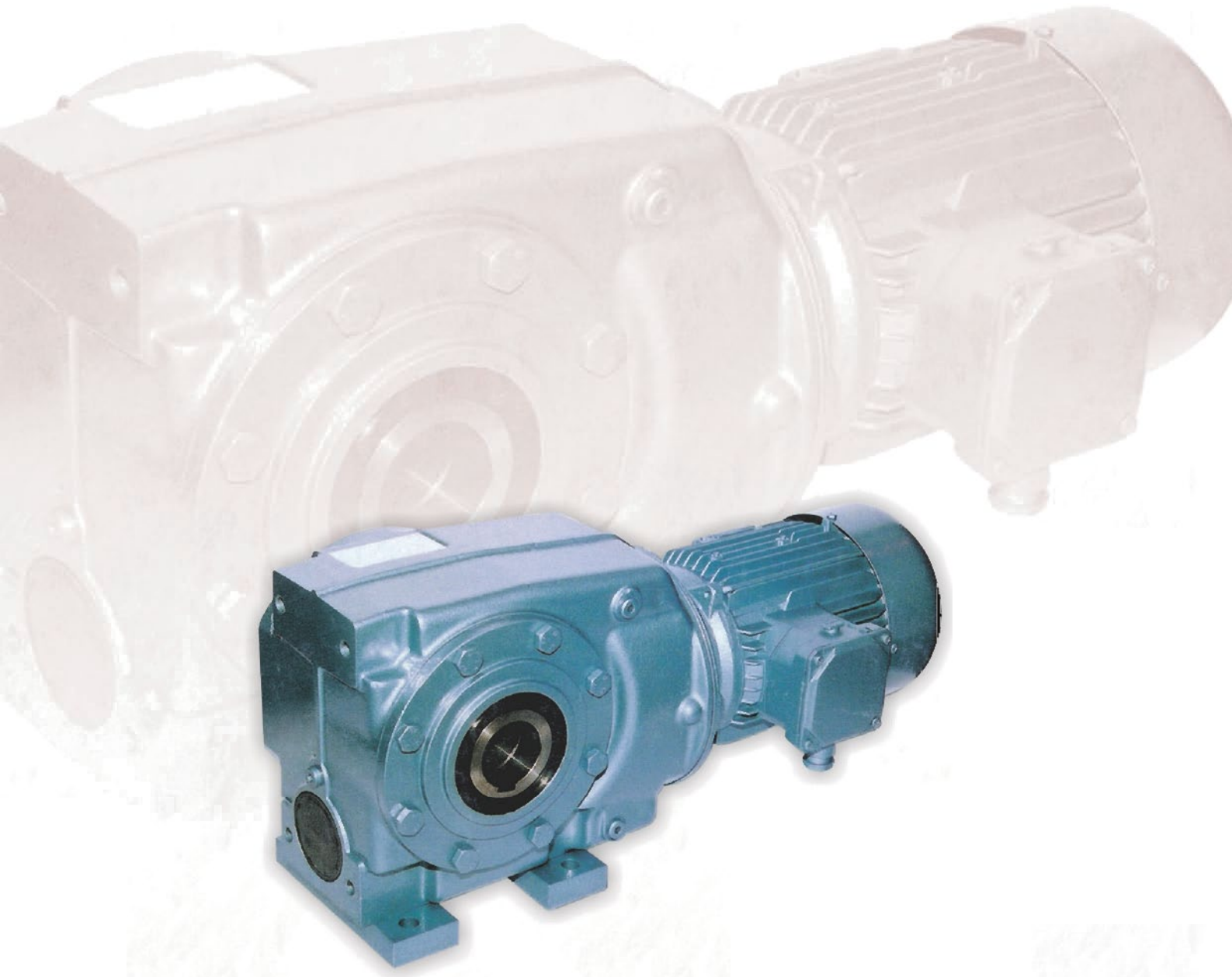
Series C



POWER BUILD LIMITED

Catalogue No: C/PC/03/06-10/500

INFRASTRUCTURE

CONTENTS

SERIES C
GENERAL DESCRIPTION

Series C

Series C right angle helical worm geared motors and reducers provide a highly efficient and compact solution to meet most requirements up to 45 kW with maximum output torque capacity of 10,000 Nm.

Following a long line of Power Build Ltd. products, this product adds to the growing family of new drives which has taken advantage of our many years of accumulated design expertise, together with the use of high quality materials and components. The end result is a series of speed reducing and geared motors offering high load carrying capacity, increased efficiency, quiet running and reliability.

The Range Includes

Eight sizes of units with a ratio coverage of 8:1 to 250:1 in double reduction and 900:1 in triple reduction and 60000:1 in combined units.

Version W - Standard unit
Version B - Standard unit with base mounted feet
Version E - Standard unit with end mounted feet
Version F - Standard unit with output flange
Version G - Standard unit with output flange reduced dia size C03 only
Version T - Standard unit with Banjo torque arm
Version U - Standard unit Banjo torque arm Heavy Duty C10 only
Version R - Standard unit with top mounted feet
Version L - Output C face mounting size C07-C10 only

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

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

Design Features Include

Standard motor connection (IEC).

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

All units are dimensionally interchangeable with other major manufacturers.

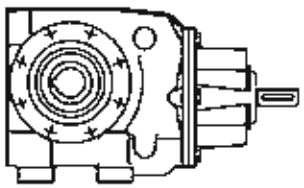
Brake geared motors are available as standard.

Sizes 03, 04, 05 and 06 are lubricated for life.

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

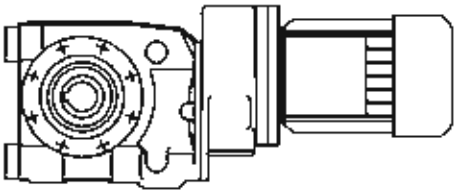
Units are manufactured and assembled from a family of modular kits for distributor friendliness minimising inventory and maximising availability.

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



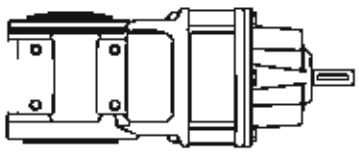
Two stage reduction unit with base mounted feet and hollow output shaft

* C 0 4 2 0 1 8 . B R H - A - - - - - - -



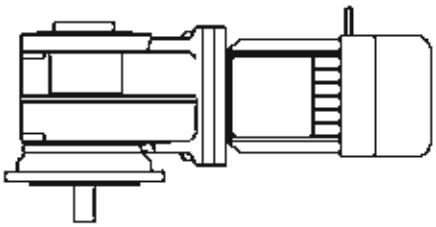
Three stage motorised unit with end mounted feet and hollow output shaft

* C 0 4 3 0 1 4 4 E M H - A A . 1 8 4 A -



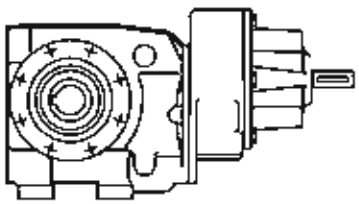
Three stage reduction unit with hollow output shaft

* C 0 5 3 0 1 8 0 W R H - G - - - - - - -



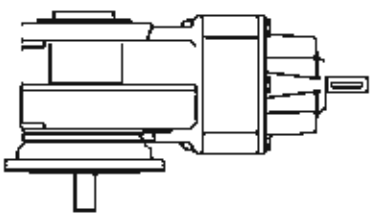
Two stage motorised unit with output flange and single extention output shaft

* C 0 5 2 0 1 0 0 F M C - K A 1 . 1 4 C -



Three stage reduction unit with base mounted feet and hollow output shaft

* C 0 4 3 0 1 6 2 B R H - A - - - - - - -



Three stage reduction unit with output flange and single extension output shaft

* C 0 5 3 0 1 8 0 F R C - K - - - - - - -

* Typical unit designations

SERIES C
UNIT DESIGNATIONS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
*																				
EXAMPLE	C	0	3	2	0	5	0	.	B	M	C	-	T	D	.	1	8	4	A	-

1 - SERIES C

RANGE [C]

2,3 - SIZE OF UNIT

[0 3] 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

- [W] - STANDARD UNIT (C03 - C06 ONLY)
- [B] - STANDARD UNIT WITH BASE MOUNTED FEET
- [E] - STANDARD UNIT WITH END MOUNTED FEET
- [F] - STD UNIT WITH OUTPUT FLANGE
- [G] - STANDARD UNIT WITH OUTPUT FLANGE REDUCED DIA. (SIZE C03 ONLY)
- [T] - STANDARD UNIT WITH BANJO TORQUE ARM
- [U] - STD UNIT BANJO TORQUE ARM HEAVY DUTY C10 ONLY
- [R] - STANDARD UNIT WITH TOP MOUNTED FEET
- [L] - OUTPUT C FACE MOUNTING (SIZE C07-C10 ONLY)

10 - TYPE OF UNIT

- [M] - MOTORISED
- [G] - UNIT TO ALLOW FITTING OF STANDARD MOTOR (IEC)
- [R] - REDUCER UNIT
- [S] - REDUCER UNIT FITTED WITH A FAN KIT (AVAILABLE ON SIZES C07, C08, C09 AND C10 ONLY)
- [X] - REDUCER UNIT FITTED WITH A BACKSTOP (AVAILABLE ON SIZES C07, C08, C09 AND C10 ONLY)
- [Y] - REDUCER UNIT WITH A BACKSTOP & FAN KIT (AVAILABLE ON SIZES C07, C08, C09 AND C10 ONLY)

11 - OUTPUT SHAFT

- [C] - STANDARD SINGLE EXTENSION
- [D] - STANDARD DOUBLE EXTENSION
- [H] - STANDARD UNIT (HOLLOW SHAFT)
- [Z] - UNIT (WITH HOLLOW SHAFT) REDUCED BORE DIA.
- [M] - EXTENDED OUTPUTSHAFT FOR USE WITH OUTPUT FLANGE FOR MOUNTING POSITIONS C, F, J, N, T & Y ONLY
- [J] - HEAVY DUTY SINGLE EXTENSION (SIZE C06)
- [K] - HEAVY DUTY DOUBLE EXTENSION (SIZE C06)

SEE PAGE 13

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 [T D] SEE PAGES 11,12 & 18

15,16,17 - GEARED MOTOR

MOTOR POWER REQUIRED

eg [. 7 5] / [. 1 8] SEE PAGES 20 - 69

FOR R OR G TYPE ENTER [- - -]

18 - NO OF MOTOR POLES

[2] [4] [6] OR [8] SEE PAGES 20 - 69

FOR R OR G TYPES WITHOUT MOTOR 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 hr/day continuous running under uniform load conditions.

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

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

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

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

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

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

Table 1. Mechanical Service Factor (Fm)

Prime mover	Duration of service-hrs per day	Load classification-driven machine		
		Uniform mass acceleration factor ≤ 0.2	Moderate mass acceleration factor < 3	Heavy mass acceleration factor < 10
Electric motor, steam turbine or hydraulic motor	Under 3	0.80	1.00	1.50
	3 to 10	1.00	1.25	1.75
	Over 10	1.25	1.50	2.00
Multi-cylinder internal combustion engine	Under 3	1.00	1.25	1.75
	3 to 10	1.25	1.50	2.00
	Over 10	1.50	1.75	2.25
Single cylinder internal combustion engine	Under 3	1.25	1.50	2.00
	3 to 10	1.50	1.75	2.25
	Over 10	1.75	2.00	2.50

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

* calculated with reference to the motor speed

Table 2. Number of Starts Factor (Fs)

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

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

LOAD CLASSIFICATION BY APPLICATIONS

Table 3

U = Uniform load

M = Moderate shock load

H = Heavy shock load

· = Refer to Power Build Limited

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
bell	U
bucket	U
chain	U
flight	U
oven	U
screw	U
Conveyors-heavy duty not uniformly fed	
apron	M
assembly	M
bell	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 lifting 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	M
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 filler 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	

EXAMPLE APPLICATION DETAILS

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

1 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application, table 3, page 4

Application = Uniformly loaded belt conveyor

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

U = Uniform load

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

Duration of service (hours per day) = 24hrs

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

Therefore mechanical service factor (Fm) = 1.25

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

2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUT SHAFT

Absorbed output torque = Absorbed power x 9550 / Gearbox output speed

0.7 x 9550 / 63 = 108 Nm

3 SELECT GEARED MOTOR

Refer to selection table one motor size larger than absorbed power.
Absorbed power = 0.7 kW, therefore refer to 0.75 kW selection table, page 40

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

Required output speed of gearbox = 63 rev/min

0.75 kW

4 POLE

N2 R/MIN Output Speed	i Ratio	M2 Nm Output Torque	Fm Service Factor	N Overhung Load	UNIT DESIGNATION Column Entry 1 Through 20 Spaces to be filled when entering order	Kg Weight of Base Mount Unit	Motor Frame Size
161	8.59	37	3.62	5287	C 0 4 2 0 B . 0 M - .7 5 4 A	24.5	80
119	11.61	50	2.94	5283	1 1		
105	13.20	57	2.69	5283	1 2 .		
93	14.95	64	2.47	5280	1 4 .		
85	16.36	83	2.27	5280	1 6 .		
72	19.13	81	2.06	5280	1 8 .		
67	20.61	87	1.96	5280	2 0 .		
63	22.11	84	1.85	5280	2 2 .		
55	25.14	95	1.69	5276	2 5 .		
49	28.48	106	1.57	5276	2 8 .		
41	33.71	139	1.38	5287	3 2 .		
38	36.43	134	1.31	5270	3 6 .		

Go to point 4

4 CHECK OUTPUT TORQUE

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

Required output torque at gearbox outputshaft = 106 Nm.

0.75 kW

	N2 R/MIN Output Speed	i Ratio	M2 Nm Output Torque	Fm Service Factor	N Overhung Load	UNIT DESIGNATION (Column Entry 1 Through 20; Spaces to be filled when entering order)	Kg Weight of Base Mount Unit	Motor Frame Size
4 POLE	67	20.61	87	1.96	5280	C 0 4 2 0 2 0 . M - .7 5 4 A	24.5	80
	63	22.11	84	1.85	5280	2 2 .		
	55	25.14	95	1.69	5276	2 5 .		

However the output torque is only 84 against the requirement of 106 Nm, hence the same unit fitted with a 1.1 kW motor is required (page 44).

1.1 kW

	N2 R/MIN Output Speed	i Ratio	M2 Nm Output Torque	Fm	N Overhung Load	UNIT DESIGNATION (Column Entry 1 Through 20; Spaces to be filled when entering order)	Kg Weight of Base Mount Unit	Motor Frame Size
4 POLE	67	20.61	128	1.33	5275	C 0 4 2 0 2 0 . _M_ - _ _1. 1 4 A_	27.8	90S
	62	22.11	124	1.25	5275	2 2 .		
	55	25.14	139	1.15	5268	2 5 .		

Selected unit's output torque (M2) = 124 Nm, therefore unit is acceptable

5 CHECK SERVICE FACTOR

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

Required service factor of gearbox = 1.25

1.1 kW

	N2 R/MIN Output Speed	i Ratio	M2 Nm Output Torque	Fm Service Factor	N Overhung Load	UNIT DESIGNATION (Column Entry 1 Through 20; Spaces to be filled when entering order)	Kg Weight of Base Mount Unit	Motor Frame Size
4 POLE	161	8.59	55	2.46	5286	C 0 4 2 0 8 . 0 _M_ - _ _1. 1 4 A_	27.8	90S
	119	11.61	74	2.00	5279	1 1 .		
	105	13.20	84	1.83	5280	1 2 .		
	92	14.95	94	1.68	5275	1 4 .		
	84	16.36	93	1.54	5275	1 6 .		
	72	19.13	119	1.40	5275	1 8 .		
	67	20.61	128	1.33	5275	2 0 .		
	62	22.11	124	1.25	5275	2 2 .		
	55	25.14	139	1.15	5268	2 5 .		

Selected unit's service factor (Fm) = 1.25, therefore unit is acceptable.

6 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the outputshaft then refer to Overhung Loads Procedure, page 95, and compare with allowable overhung load (N) of selected unit.

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

1.1 kW

	N2 R/MIN Output Speed	i Ratio	M2 Nm Output Torque	Fm Service Factor	N Overhung Load	UNIT DESIGNATION (Column Entry 1 Through 20; Spaces to be filled when entering order)	Kg Weight of Base Mount Unit	Motor Frame Size
4 POLE	161	8.59	55	2.46	5286	C 0 4 2 0 8 . 0 _M_ - _ _1. 1 4 A_	27.8	90S
	119	11.61	74	2.00	5279	1 1 .		
	105	13.20	84	1.83	5280	1 2 .		
	92	14.95	94	1.68	5275	1 4 .		
	84	16.36	93	1.54	5275	1 6 .		
	72	19.13	119	1.40	5275	1 8 .		
	67	20.61	128	1.33	5275	2 0 .		
	62	22.11	124	1.25	5275	2 2 .		
	55	25.14	139	1.15	5268	2 5 .		
	48	28.48	156	1.06	5268	2 8 .		

NOTE: If any of the following conditions occur then consult Power Build Ltd. Application Engineers:-

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

EXACT RATIOS - DOUBLE REDUCTION

NOMINAL RATIO COLUMN ENTRY [6 7 9]	C0320	C0420	C0520	C0620		C0720	C0820	C0920	C1020	Final Reduction Worm Ratio
				Standard	Heavy Duty					
8 . 0	8.591	8.591	8.312	8.232	8.232	7.901	7.770	7.973	7.951	10 : 1
1 1 .	11.61	11.61	11.66	11.57	11.57	10.94	11.01	10.98	11.11	10 : 1
1 2 .	13.20	13.20	12.85	12.97	12.97	12.29	12.24	12.30	12.08	10 : 1
1 4 .	14.95	14.95	14.59	14.56	14.56	13.52	13.61	13.81	13.72	10 : 1
1 6 .	16.36	16.36	16.09	15.93	15.93	15.80	15.54	16.58	16.53	20 : 1
1 8 .	19.13	19.13	18.53	18.49	18.49	17.66	17.60	17.79	17.87	10 : 1
2 0 .	20.61	20.61	21.05	20.96	20.96	20.07	19.76	19.88	19.29	10 : 1
2 2 .	22.11	22.11	22.56	22.40	22.40	21.89	22.03	22.96	23.23	20 : 1
2 5 .	25.14	25.14	24.86	25.11	25.11	24.59	24.47	25.73	25.27	20 : 1
2 8 .	28.48	28.48	28.24	28.18	28.18	27.03	27.22	28.89	28.70	20 : 1
3 2 .	33.71	33.71	32.55	33.48	33.48	30.81	31.78	31.43	31.85	10 : 1
3 6 .	36.43	36.43	35.86	35.79	35.79	35.31	35.20	37.22	37.38	20 : 1
4 0 .	39.26	39.26	40.74	40.57	40.57	40.15	39.51	41.59	40.36	20 : 1
4 5 .	45.50	45.50	46.84	47.32	47.32	44.13	43.64	44.55	43.65	10 : 1
5 0 .	53.31	53.31	50.93	50.52	50.52	49.90	49.26	49.49	48.51	10 : 1
5 6 .	56.19	56.19	55.45	55.71	55.71	53.63	54.60	57.66	58.85	20 : 1
6 3 .	64.21	64.21	63.00	64.80	64.80	61.62	63.56	65.74	66.63	20 : 1
7 1 .	74.55	74.55	73.37	73.92	73.92	69.00	69.64	69.91	69.18	10 : 1
8 0 .	82.83	82.83	82.67	80.94	80.94	75.56	76.50	77.18	79.71	10 : 1
9 0 .	86.67	86.67	90.67	91.58	91.58	88.26	87.29	93.18	91.32	20 : 1
1 0 0	101.5	101.5	98.57	97.78	97.78	99.79	98.53	103.5	101.5	20 : 1
1 1 2	114.3	114.3	109.1	110.6	110.6	104.3	102.4	106.2	107.8	10 : 1
1 2 5	129.9	129.9	124.0	124.0	124.0	115.9	117.9	119.4	115.8	10 : 1
1 4 0	142.0	142.0	142.0	143.1	143.1	138.0	139.3	146.2	144.7	20 : 1
1 6 0	157.8	157.8	160.0	156.7	156.7	151.1	153.0	161.4	166.7	20 : 1
2 1 2	217.8	217.8	211.1	214.0	214.0	208.6	204.8	222.1	225.5	20 : 1
2 5 0	247.5	247.5	240.0	240.0	240.0	231.8	235.8	249.7	242.3	20 : 1

EXACT RATIOS - TRIPLE REDUCTION

NOMINAL RATIO COLUMN ENTRY [6 7 8]	C0330	C0430	C0530	C0630		C0730	Final Reduction Worm Ratio
				Standard	Heavy Duty		
1 0 0	105.4	105.4	103.9	103.9	103.9	97.33	10 : 1
1 1 8	120.4	120.4	118.7	118.0	118.0	113.2	10 : 1
1 3 2	130.1 *	130.1 *	130.4 *	130.0	130.0	125.0 *	20 : 1
1 5 0	140.2 *	140.2 *	140.5 *	147.7	147.7	141.7 *	20 : 1
1 6 0	162.5	162.5	160.3	169.8	169.8	160.0	10 : 1
1 8 0	190.4	190.4	187.6	184.6	184.6	170.8	10 : 1
2 0 0	200.7	200.7	201.1	201.0	201.0	194.7	20 : 1
2 2 5	229.3	229.3	229.8	228.4	228.4	226.4	20 : 1
2 6 5	266.3	266.3	262.6	266.0	266.0	249.9	10 : 1
2 8 0	295.8	295.8	291.8	299.7	299.7	273.7	10 : 1
3 1 5	309.5	309.5	310.2	328.7	328.7	320.0	20 : 1
3 6 0	362.6	362.6	363.4	357.3	357.3	341.6	20 : 1
4 0 0	408.3	408.3	402.7	395.4	395.4	373.8	10 : 1
4 5 0	464.1	464.1	457.7	449.5	449.5	419.3	10 : 1
5 0 0	507.1	507.1	508.2	514.8	514.8	499.9	20 : 1
5 6 0	563.5	563.5	564.7	580.0	580.0	547.4	20 : 1
8 0 0	777.8	777.8	779.4	765.3	765.3	747.7	20 : 1
9 0 0	883.9	883.9	885.8	870.0	870.0	838.5	20 : 1

* Please consult Power Build Ltd.

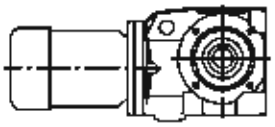
EXACT RATIOS - QUADRUPLE REDUCTION

NOMINAL RATIO	COLUMN ENTRY 6 7 8	C0640	C0740	C0840	C0940	C1040
280	2 8 0			283.4	284.1	
315	3 1 5			321.3	305.1	
360	3 6 0			346.0	341.9	
400	4 0 0			402.5	389.0	
450	4 5 0			441.2	436.0	
500	5 0 0			484.4	487.4	474.3
560	5 6 0			563.3	552.5	545.0
630	6 3 0	677.2		617.5	621.5	676.4
710	7 1 0	736.2		684.7	704.5	777.2
800	8 0 0	816.2	791.7	796.4	758.8	863.4
900	9 0 0	871.4	860.7	873.0	882.5	895.5
1000	1 0 C	1040	1009	1015	967.4	994.8
1100	1 1 C	1111	1097	1125	1125	1143
1200	1 2 C	1325	1240	1202	1214	1283
1400	1 4 C	1415	1397	1435	1332	1450
1600	1 6 C	1689	1581	1532	1590	1637
1800	1 8 C	1803	1781	1758	1832	1851
2000	2 0 C	2099	1965	1925	1949	2006
2200	2 2 C	2241	2186	2242	2188	2196
2500	2 5 C	2533	2463	2455	2484	2560
2800	2 8 C	2705	2717	2699	2935	2804
3200	3 2 C	3149	3249	3353	3416	3128
3600	3 6 C	3481	3694	3761	3742	3426
4000	4 0 C	3958	4039	4036	4114	3871
4500	4 5 C	4334	4423	4527	4505	4301
5000	5 0 C	4919	5028	5002	5112	4729
5600	5 6 C	5386	5433	5676	5733	5255
6000	6 0 C	6094	6122	6366	6153	5817
6500	6 5 C	6507	6499	6832	6901	6396
7500	7 5 C	7660	7388	7663	7897	7107
8500	8 5 C	8388	8078	8073	8475	8521
9500	9 5 C	9521	9183	9054	9505	9508
10000	1 0 K	10425	10057	10004	9677	10412
11000	1 1 K	11457	10918	11352	10596	11765
12000	1 2 K	12849	12412	12732	12024	13072
14000	1 4 K	14241	13570	13665	14474	14376
16000	1 6 K	15971	15427	15325	16232	15973

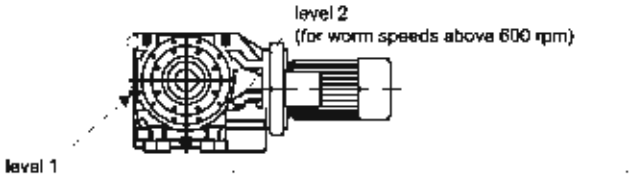
NOMINAL RATIO ENTERED IN COLUMNS 6 7 8

LUBRICATION FILL LEVELS

MOUNTING A B C **C03, 04, 05, 06** ●

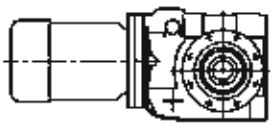


C07, 08, 09, 10

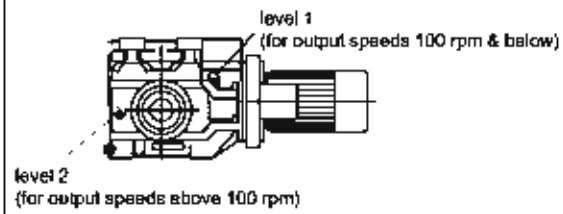


$$\text{Wormspeed} = \frac{\text{Input Speed}}{\text{Nominal Ratio}} \times \text{Worm Ratio (see page 7)}$$

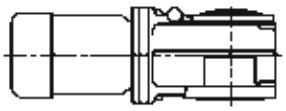
MOUNTING D E F **C03, 04, 05, 06** ●



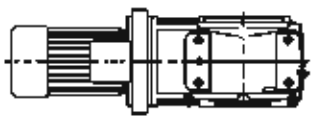
C07, 08, 09, 10



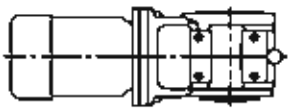
MOUNTING G H J **C03, 04, 05, 06** ●



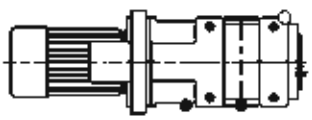
C07, 08, 09, 10



MOUNTING K M N **C03, 04, 05, 06** ●

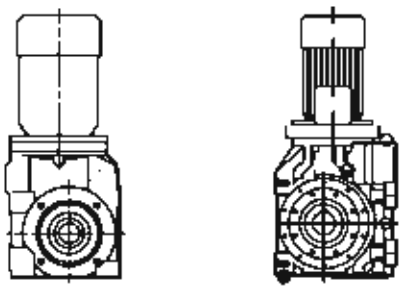


C07, 08, 09, 10



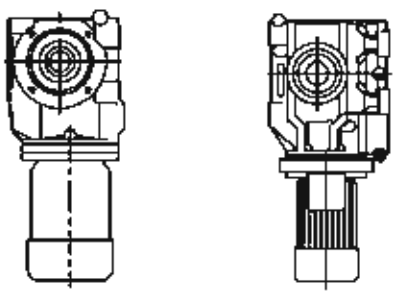
MOUNTING P S T

C03, 04, 05, 06 ● **C07, 08, 09, 10**



MOUNTING W X Y

C03, 04, 05, 06 **C07, 08, 09, 10**



MOTOR MUST BE FITTED WITH SEAL FOR THIS POSITION

● DRAIN POSITION
◒ LEVEL POSITION
} C07/08/09/10 ONLY
○ VENTILATOR / FILLING POSITION

● THESE UNITS ARE NOT FITTED WITH A VENTILATOR
SIZES C03 AND C04 HAVE TWO TAPPED HOLES FOR FILLING PURPOSES.
SIZES C05 AND C06 HAVE THREE TAPPED HOLES FOR FILLING PURPOSES

MOUNTING POSITIONS - SHOWN AS MOTORISED - APPLIES ALSO FOR REDUCERS

LUBRICANT AND QUANTITY

Unit sizes C03, 04, 05 and 06 are factory filled with a grade 6G lubricant.

Unit sizes C07, 08, 09 and 10 will be despatched without oil.

Note: Catalogue ratings are based on the polyglycol range of synthetic oils recommended on this page. The use of mineral or special oils will require a derate, please contact Power Build Ltd. Application Engineers.

The oil grade is stamped on the name plate and the oil level should be taken using the level plug, see page 9 . These are determined from the operating speed of the gear unit and the ambient temperature range, which if not given when ordering will be assumed to be 1450 rev / min input and ambient temperature range 0 to 35°C. Oil grades and oil level should therefore always be checked before installation, instructions are provided with all units despatched.
To determine the oil grade refer to table 1, and then subsequently to table 4 which gives approved lubricants.
To determine the oil capacity refer to appropriate table 2 or 3. Oil capacities are only approximate and units should be filled until oil escapes from the level plug holes. Do not overfill as excess will cause overheating and leakage.

TABLE 1 SERIES C OIL GRADES

If not stated with the order these are the operating conditions that will be assumed

GEAR UNIT DETAILS			AMBIENT TEMPERATURE RANGE *		
UNIT TYPE	RATIO RANGE	INPUT SPEED (REV / MIN)	-30°C to 20°C	0°C to 35°C	20°C to 50°C
DOUBLES	8 - 18	0 - 750	6G	6G	8G
		>750 - 2000	5G	6G	7G
		>2000 - 3000	4G	6G	6G
	20 - 36	0 - 2000	6G	6G	8G
		>2000 - 3000	5G	6G	7G
	40 - 250	0 - 3000	6G	6G	8G
TRIPLES	ALL RATIOS	0 - 3000	6G	6G	8G
QUADRUPLES	630 - 2800	0 - 750	6G	7G	9G
		>750 - 3000	6G	6G	8G
	3200 - 16000	0 - 3000	6G	7G	9G
QUINTUPLES	ALL RATIOS	0 - 3000	6G	7G	9G

* For other ambient temperatures please refer to Power Build Ltd. Application Engineers

TABLE 2 LUBRICANT QUANTITY (Litres) (double and triple reduction and final stage quadruple and quintuple reduction)

DOUBLE AND TRIPLE REDUCTION AND FINAL STAGE QUADRUPLE AND QUINTUPLE REDUCTION															
Unit Size			C0320	C0330	C0420	C0430	C0520	C0530	C0620	C0630	C0720	C0730	C0820	C0920	C1020
MOUNTING POSITION	ABC	Level 1 •	0.3	0.4	0.4	0.5	0.7	0.9	1.5	2.1	4.5	4.8	7.4	14.4	21.6
		Level 2 •									3.4	3.8	6.5	8.5	12.2
	DEF	Level 1 •	0.7	1.2	1.0	1.5	1.4	2.1	3.1	4.0	5.5	5.9	10.25	17.1	31.3
		Level 2 •									3.2	3.6	5.75	7.5	17.3
	GHJ		0.5	0.8	0.7	0.9	1.0	1.2	2.3	2.5	3.7	3.7	6.0	11.1	19.0
	KMN		0.5	0.8	0.6	0.8	1.0	1.4	2.2	2.5	3.7	3.7	6.0	11.1	19.0
	PST		0.6	1.0	0.9	1.3	1.4	2.0	3.0	4.6	6.1	6.6	9.6	16.6	31.5
	WXY *	Motorised	0.65 (0.65)	1.15 (1.1)	1.0 (0.88)	1.5 (1.4)	1.4 (1.3)	1.9 (1.8)	3.2 (3.0)	4.0 (3.7)	5.2	5.6	9.4	17.0	28.8
		Reducer	0.85 (0.75)	1.35 (1.2)	1.2 (1.0)	1.7 (1.6)	1.6 (1.5)	2.1 (2.0)	3.4 (3.1)	4.2 (3.9)	5.6	6.0	9.8	17.4	29.2

• See page 9 for oil level positions

* For PG kits 0.8 to 2.8 use the quantities in brackets

TABLE 3 LUBRICANT QUANTITY (Litres) (primary stage quadruple reduction)

PRIMARY STAGE QUADRUPLE REDUCTION						
Unit Size		C0640	C0740	C0840	C0940	C1040
SECONDARY UNIT (Lubricant quantity see table 2)		C0620	C0720	C0820	C0920	C1020
PRIMARY UNIT		M0420	M0420	M0620	M0620	M0720
PRIMARY QUANTITY • (Unit lubricant)	Vertical	1.6	1.6	3.2	3.2	6.8
	Horizontal	1.1	1.1	2.4	2.4	4.6

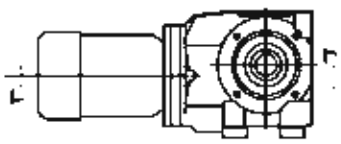
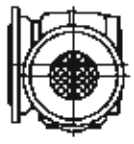
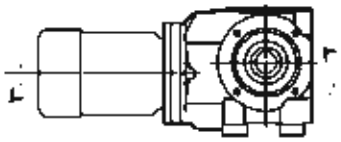
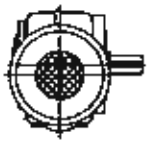
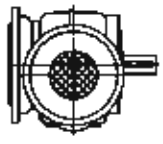
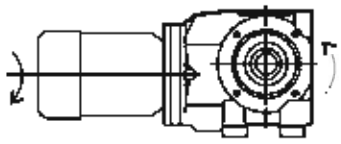
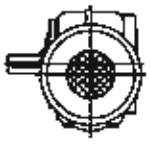
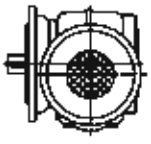
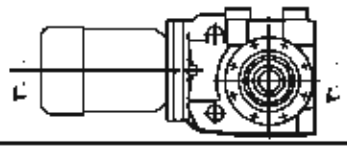
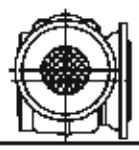
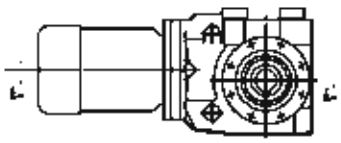
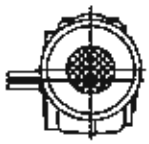
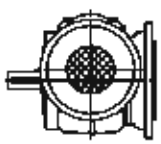
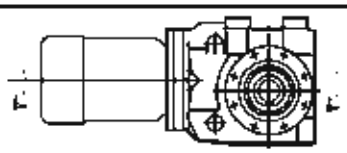
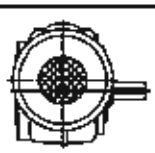
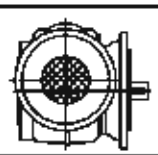
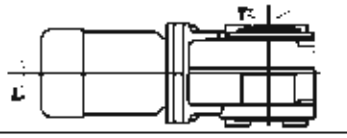
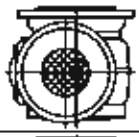
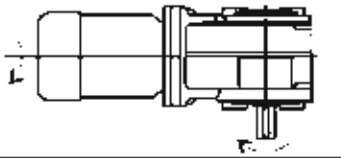
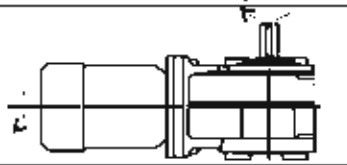
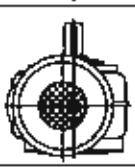
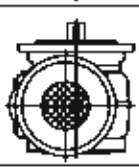
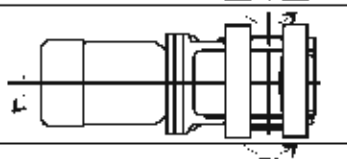
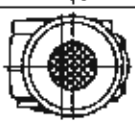
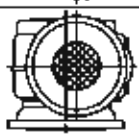
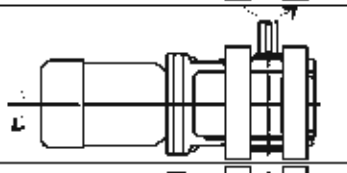
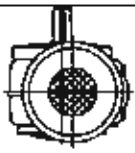
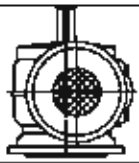
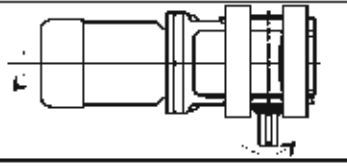
• Unit filled with Grade 6G lubricant suitable for all ambient temperatures between 0°C to 35°C and are 'lubricated for life'

TABLE 4 APPROVED LUBRICANTS
TYPE G - POLYGLYCOL BASE SYNTHETIC

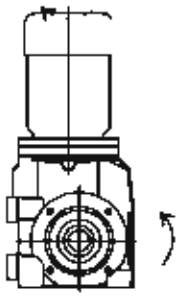
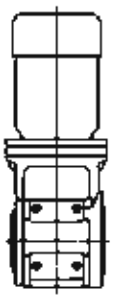
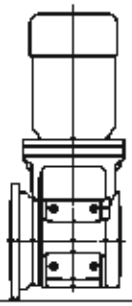
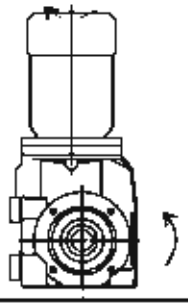
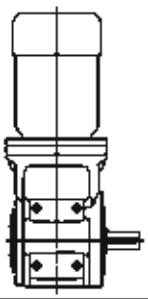
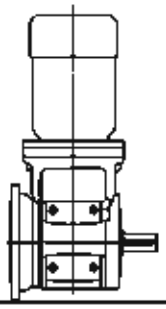
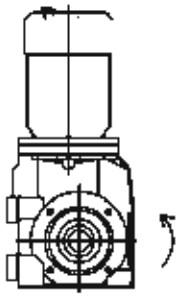
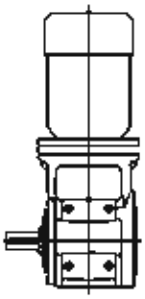
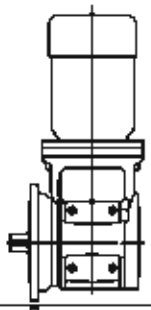
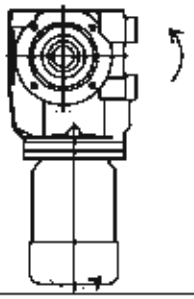
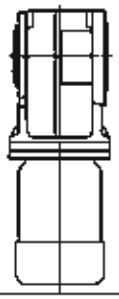
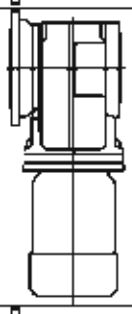
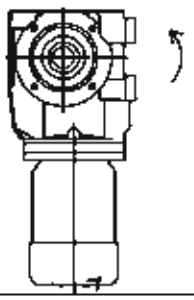
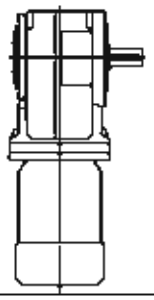
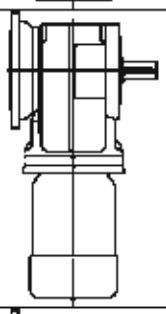
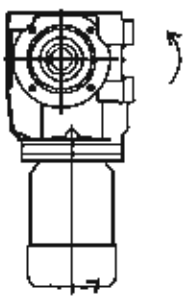
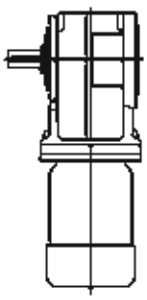
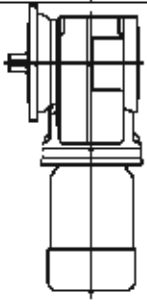
* Only one grade available hence no grade designation

		OIL GRADE No					
LUBRICANT SUPPLIER	LUBRICANT RANGE NAME	4G	5G	6G	7G	8G	9G
Batoyle Freedom Group	Helicol W	* (-15)					
Boxer Services / Millers Oils Limited	Boxergear W	150 (-15)	220 (-31)	320 (-31)	460 (-28)		
BP Oil International Limited	Enersyn SG-XP		220 (-31)		460 (-34)	680 (-28)	
Caltex	Synlube CLP	150 (-37)	220 (-34)	320 (-31)	460 (-28)	680 (-31)	
Carl Bechem GmbH	Berusynth EP	150 (-26)	220 (-25)	320 (-25)	460 (-25)	680 (-28)	1000 (-28)
Castrol International	Alphasyn PG	150 (-34)	220 (-34)	320 (-31)	460 (-28)		
Esso/Exxon	Glycolube	150 (-25)	220 (-25)	320 (-25)	460 (-23)		
Fuchs Lubricants	Renogear PGW	120 (-23)					
	Renolin PG	150 (-34)	220 (-34)	320 (-34)	460 (-34)	680 (-28)	1000 (-28)
Klüber Lubrication	Klübersynth GH6	150 (-30)	220 (-25)	320 (-25)	460 (-20)	680 (-20)	1000 (-20)
Kuwait Petroleum International	Q8 Gade		220 (-22)	320 (-22)	460 (-22)		
Laporte Performance Chemicals Ltd	Breox Worm Gear Lube	65 (-25)					
	Breox Industrial Lubricant Sw	150 (-25)	220 (-25)	320 (-25)	460 (-23)		
	Breox Oil Soluble Industrial Lub	220 (-23)					
Mobil Oil Company Limited	Glygoyle	22 (-25)	30 (-22)	HE320 (-37)	HE460 (-35)		
Optimol Ölwerke GmbH	Optiflex A	150 (-31)	220 (-28)	320 (-28)	460 (-28)	680 (-28)	1000 (-25)
Shell Oils	Omala S4WE	SA (-25)	SB (-25)	SC (-25)	SD (-23)		
	Omala S4WE	150 (-40)	220 (-34)	320 (-34)	460 (-34)	680 (-34)	1000 (-31)
Texaco Limited	Synlube CLP	150 (-37)	220 (-34)	320 (-31)	460 (-28)	680 (-31)	
Total	Carter SY		220 (-25)	320 (-28)	460 (-22)		
Tribol, GmbH	Tribol 800	150 (-37)	220 (-27)	320 (-25)	460 (-25)	680 (-25)	1000 (-23)

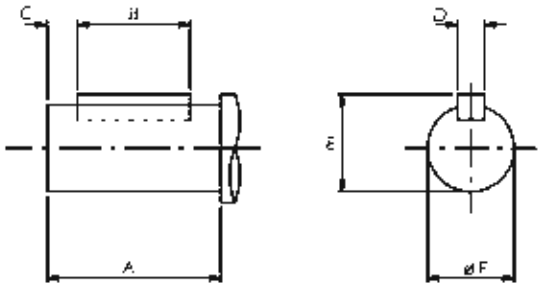
HANDING & MOUNTING POSITIONS

COLUMN 13 ENTRY	DOUBLE OUTPUT SHAFTS ARE AVAILABLE FOR ALL MOUNTING POSITIONS MOUNTING POSITIONS SHOWN AS MOTORISED - APPLIES ALSO FOR REDUCERS		
A			
B			
C			
D			
E			
F			
G			
H			
J			
K			
M			
N			

HANDING & MOUNTING POSITIONS

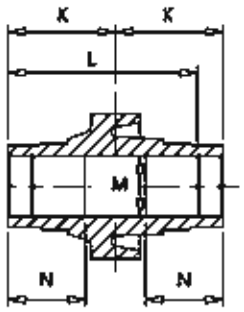
COLUMN 13 ENTRY	DOUBLE OUTPUT SHAFTS ARE AVAILABLE FOR ALL MOUNTING POSITIONS MOUNTING POSITIONS SHOWN AS MOTORISED - APPLIES ALSO FOR REDUCERS		
P			
S			
T			
W			
X			
Y			

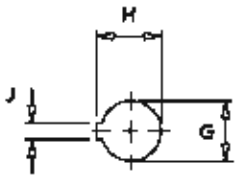
OUTPUTSHAFT OPTIONS, COLUMN 11 ENTRY



SIZE OF UNIT	TYPE OF OUTPUTSHAFT	COLUMN 11 ENTRY	DIMENSIONS IN MM					
			A	B	C	D	E	øF
C03	Standard	C, D	35	31	3	6	22.5	20.020/20.015
C04	Standard	C, D	46	42	3	8	28	25.020/25.015
C05	Standard	C, D	60	53	3	8	33	30.020/30.015
C06	Standard	C, D	63	55	3	10	38	35.020/35.018
	Standard Heavy Duty	J, K	98	80	5	14	48.5	45.020/45.018
C07	Standard	C, D	76	70	3	14	48.5	45.018/45.002
	Standard Shaft Down	M	90	84	3	14	48.5	45.018/45.002
C08	Standard	C, D	120	110	3	18	64	60.030/60.011
	Standard Shaft Down	M	120	110	3	18	64	60.030/60.011
C09	Standard	C, D	135	125	3	20	74.5	70.030/70.011
	Standard Shaft Down	M	140	125	3	20	74.5	70.030/70.011
C10	Standard	C, D	170	160	3	25	95	90.035/90.013
	Standard Shaft Down	M	170	160	3	25	95	90.035/90.013

OUTPUT BORE OPTIONS, COLUMN 11 ENTRY





SIZE OF UNIT	TYPE OF BORE	COLUMN 11 ENTRY	DIMENSIONS IN MM						
			øG	H	J	K	L	øM	N
C03	Standard	H	20.021/ 20.000	22.9	6	62	104	20.2	52
C04	Standard	H	30.021/ 30.000	33.5	8	65	122	30.2	54
	Reduced Dia	Z	25.021/ 25.000	28.5	8	65	125	25.2	54
C05	Standard	H	35.025/ 35.000	38.5	10	70	127	35.3	56
	Reduced Dia	Z	30.021/ 30.000	33.5	8	70	127	30.3	56
C06	Standard	H	45.025/ 45.000	49.0	14	90	156	45.3	70
	Reduced Dia	Z	40.025/ 40.000	43.5	12	90	156	40.3	70
C07	Standard	H	60.030/ 60.000	64.6	18	109	188	60.5	79
	Reduced Dia	Z	50.030/ 50.000	54.0	14	109	191	50.5	79
C08	Standard	H	70.030/ 70.000	75.1	20	125	220	70.5	90
	Reduced Dia	Z	60.030/ 60.000	64.6	18	125	220	60.5	90
C09	Standard	H	90.035/ 90.000	95.6	25	150	265	90.5	107.5
	Reduced Dia	Z	70.030/ 70.000	75.1	20	150	270	70.5	107.5
C10	Standard	H	100.035/ 100.000	106.6	28	175	313	100.5	132.5
	Reduced Dia	Z	80.030/ 80.000	85.6	22	175	313	80.5	132.5

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

UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER

MOTOR FRAME / FLANGE	RATIO COVERAGE	C0320						C0330						C0420						C0430						C0520						C0530					
		8.0 - 28.	36. - 40.	32.	45. - 250	132 - 150	100 - 118 160 - 900	8.0 - 28.	36. - 40.	32.	45. - 250	132 - 150	100 - 118 160 - 900	8.0 - 28.	36. - 40.	32.	45. - 250	132 - 150	100 - 118 160 - 900	8.0 - 40.	56. - 63.	45. - 50.	71. - 250	132 - 150	100 - 118 160 - 900	8.0 - 28.	36. - 40.	32.	45. - 250	132 - 150	100 - 118 160 - 900	8.0 - 40.	56. - 63.	45. - 50.	71. - 250	132 - 150	100 - 118 160 - 900
63/D	COLUMN 12 ENTRY	F	F	F	F	F	F	F	F	-	F	F	F	-	V	-	F	-	-	-	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71/D		G	G	G	G	G	G	G	G	-	G	G	G	-	D	-	G	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71/C		H	H	H	H	H	H	H	H	-	H	H	H	-	E	-	H	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80/D		A	J	A	J	A	J	A	J	A	J	A	J	W	F	A	J	-	F	W	F	-	D	-	E	-	-	-	-	-	-	-	-	-	-
80/C		B	K	B	K	B	K	B	K	B	K	B	K	X	G	B	K	-	G	X	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90/D		C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	Y	H	C	Q	-	H	Y	H	-	E	-	F	-	-	-	-	-	-	-	-	-	-
90/C		D	R	D	R	D	R	D	R	D	R	D	R	Z	J	D	R	-	J	Z	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100/D		-	-	-	-	-	-	-	-	-	-	-	-	A	K	-	-	A	K	A	K	A	F	-	G	-	E	-	-	-	-	-	-	-	-
100/C		E	S	E	S	E	S	E	S	E	S	E	S	B	L	E	S	B	L	B	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112/D		-	-	-	-	-	-	-	-	-	-	-	-	A	K	-	-	A	K	A	K	A	F	-	G	-	E	-	-	-	-	-	-	-	-
112/C		E	S	E	S	E	S	E	S	E	S	E	S	B	L	E	S	B	L	B	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132/D		-	-	-	-	-	-	-	-	-	-	-	-	N	P	-	-	C	M	N	P	B	G	-	H	-	F	-	-	-	-	-	-	-	-
132/C		-	-	-	-	-	-	-	-	-	-	-	-	C	M	-	-	D	N	C	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160/D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	P	-	-	C	H	A	J	A	G	-	-	-	-	-	-	-	-
180/D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	K	B	H	-	-	-	-	-	-	-	-
200/D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	L	C	J	-	-	-	-	-	-	-	-
225/D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	M	D	K	-	-	-	-	-	-	-	-

Preferred

BOLD - IF UNITS SUPPLIED AS GEARHEAD ONLY THEY WILL BE SUPPLIED LESS LUBRICANT (ALL OTHER UNITS SIZE C03 - C06 SUPPLIED WITH LUBRICANT)

ADDITIONAL FEATURES - COLUMN 20 ENTRY

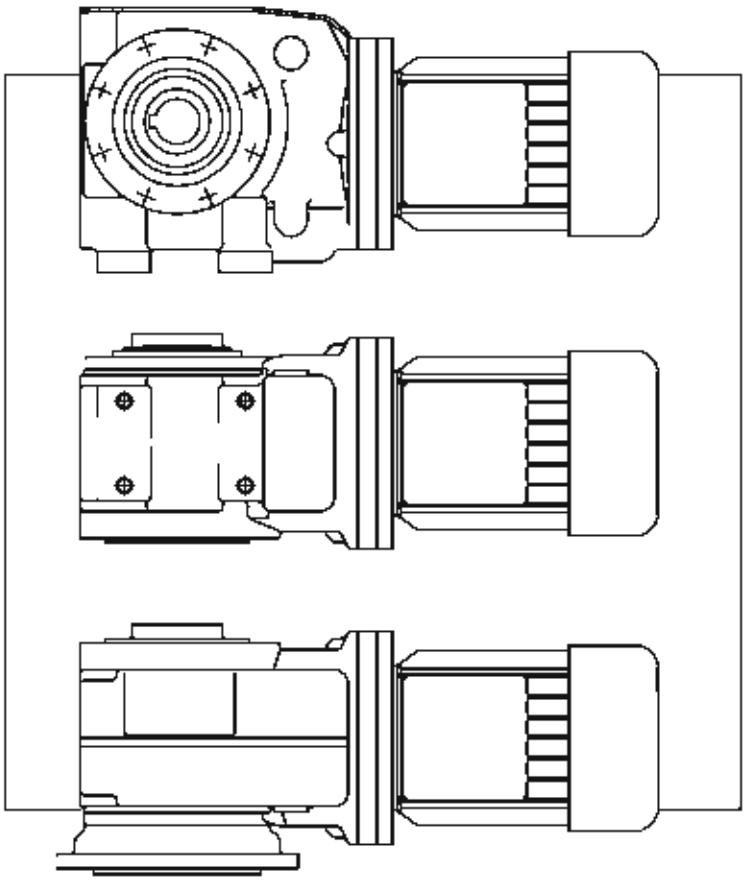
COLUMN 20 ENTRY	DOUBLE OIL SEALS	PRIME PAINTED ONLY	MOTORISED * BACKSTOP MODULE	LUBRICANT TYPE ** (See lubrication details - Page 10)	
				MINERAL **	SYNTHETIC
-				●	
A	●			●	
B		●		●	
C			●	●	
D	●	●		●	
E		●	●	●	
F	●		●	●	
G	●	●	●	●	
H (1)					
J	●				
K		●			
L			●		
M	●	●			
N		●	●		
P	●		●		
Q	●	●	●		
R (2)					●
S	●				●
T		●			●
U			●		●
V	●	●			●
W		●	●		●
X	●		●		●
Y	●	●	●		●

* Motorised backstop modules are available for use with B5 flange mounted motors from frame size D100 to D200 only (see page 84).

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

(1) Standard option sizes C07, C08, C09 and C10

(2) Standard option sizes C03, C04, C05 and C06



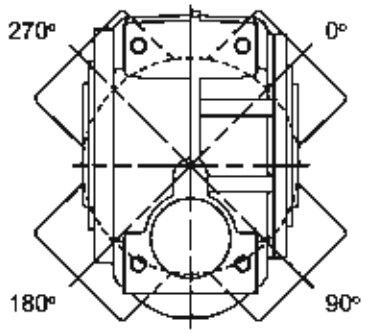
MOTORISED

SERIES C

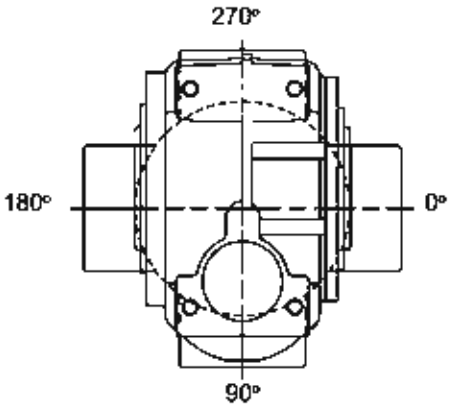
POWER BUILD LIMITED

MOTOR PERFORMANCE DATA ALUMINIUM FRAME MOTORS
TERMINAL BOX POSITION / STD MOTOR VARIANTS AVAILABLE

TERMINAL BOX POSITION - COLUMN 14 ENTRY



D63 MOTORS ONLY
(SIZES C03, C04, C05 ONLY)



ALL MOTORS

COLUMN 14 ENTRY	TERMINAL BOX POSITION
A	0°
B	90°
C	180°
D	270°
-	REDUCER OR NO MOTOR FITTED

All variants of standard IEC motors can be fitted to Series C, 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

MOTORS AVAILABLE COLUMN 19 ENTRY

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

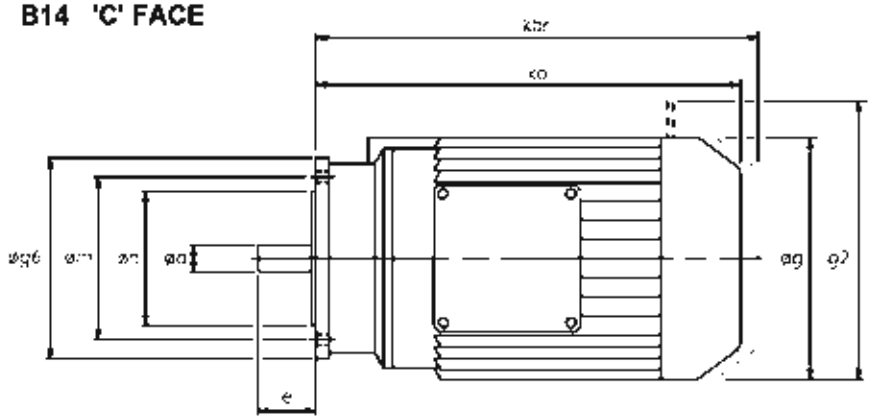
* The standard motor with brake will be fitted with a rectifier and wired for AC switching.

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.

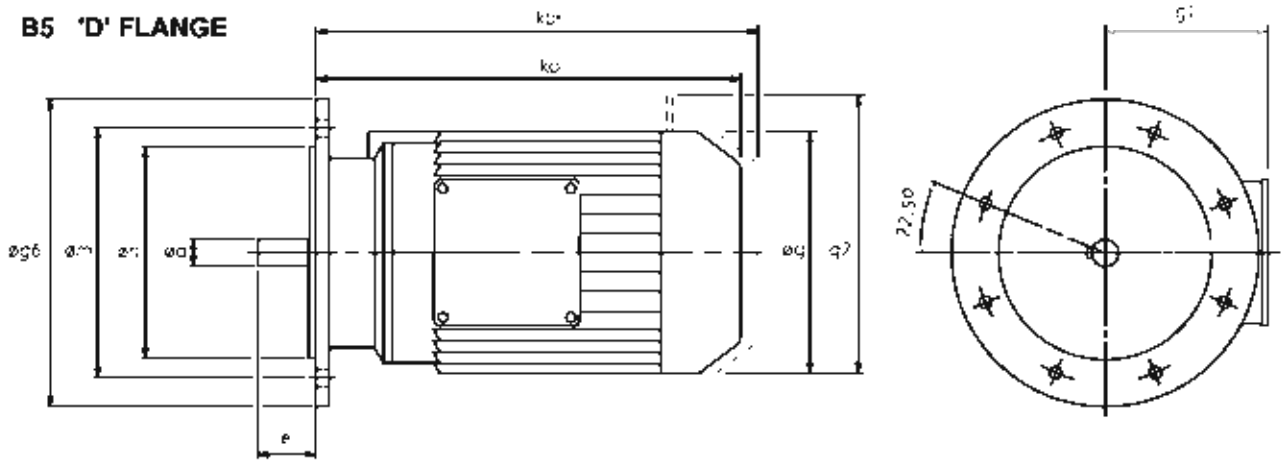
For larger frame sizes standard proprietary brake motors are available. For details contact Power Build Ltd.

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	288	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

* Dimension ko, kbr, g, g1, g2 may vary as per make of motor.

0.12 kW

4 POLE

N2 R/MIN Output Speed	i Ratio	M2 Nm Output Torque	Fm Service Factor	N Overhung Load	UNIT DESIGNATION Column Entry | 1 | Through | 20 | Spaces to be filled when entering order	Kg Weight of Base Mount Unit	Motor Frame Size
158	8.59	6	13.44	2860	C 0 3 2 0 8 . 0 M - . 1 2 4 A	14.5	63
117	11.61	8	10.86	2860	1 1 .		
103	13.20	9	9.93	2860	1 2 .		
91	14.95	10	9.07	2860	1 4 .		
83	16.36	10	8.68	2860	1 6 .		
71	19.13	13	7.61	2860	1 8 .		
66	20.61	14	7.21	2860	2 0 .		
62	22.11	13	7.10	2860	2 2 .		
54	25.14	15	6.50	2860	2 5 .		
48	28.48	16	5.98	2860	2 8 .		
40	33.71	22	5.03	2850	3 2 .		
37	36.43	21	5.04	2850	3 6 .		
35	39.26	22	4.80	2850	4 0 .		
30	45.50	30	4.05	2850	4 5 .		
26	53.31	35	3.63	2840	5 0 .		
24	56.19	32	3.74	2850	5 6 .		
21	64.21	36	3.42	2840	6 3 .		
18	74.55	48	2.98	2840	7 1 .		
16	82.83	53	2.76	2830	8 0 .		
15	86.67	48	2.89	2840	9 0 .		
13	101.54	55	2.57	2830	1 0 0		
12	114.33	72	2.06	2820	1 1 2		
10	129.94	82	1.78	2820	1 2 5		
10	142.00	75	1.96	2820	1 4 0		
8.6	157.78	83	1.78	2820	1 6 0		
6.2	217.78	113	1.31	2800	2 1 2		
5.5	247.50	127	1.15	2800	2 5 0		
13	105.36	65	2.26	2830	C 0 3 3 0 1 0 0 _ M _ - _ _ . 1 2 4 A _	18.5	63
11	120.39	75	1.99	2820	1 1 8		
8.4	162.50	100	1.49	2810	1 6 0		
7.1	190.38	115	1.27	2800	1 8 0		
6.8	200.68	103	1.45	2810	2 0 0		
5.9	229.32	115	1.27	2800	2 2 5		
5.1	266.25	161	0.92	2780	2 6 5		
4.6	295.83	178	0.84	2770	2 8 0		
4.4	309.52	154	0.96	2780	3 1 5		
3.8	362.84	179	0.83	2770	3 6 0		
16	82.83	53	3.56	5290	C 0 4 2 0 6 0 . _ M _ - _ _ . 1 2 4 A _	17.5	63
12	114.33	73	2.33	5290	1 1 2		
10	129.94	83	1.78	5290	1 2 5		
10	142.00	77	3.25	5290	1 4 0		
8.6	157.78	85	3.01	5290	1 6 0		
6.2	217.78	115	2.33	5290	2 1 2		
5.5	247.50	130	1.78	5280	2 5 0		
13	105.36	67	3.04	5290	C 0 4 3 0 1 0 0 _ M _ - _ _ . 1 2 4 A _	20.5	63
11	120.39	76	2.66	5290	1 1 8		
8.4	162.50	102	1.97	5290	1 6 0		
7.1	190.38	118	1.69	5290	1 8 0		
6.8	200.68	105	2.61	5290	2 0 0		
5.9	229.32	120	2.31	5290	2 2 5		
5.1	266.25	164	1.20	5270	2 6 5		
4.6	295.83	181	1.09	5270	2 8 0		
4.4	309.52	159	1.74	5280	3 1 5		
3.8	362.84	185	1.50	5270	3 6 0		
2.7	507.14	254	1.09	5240	5 0 0		
11	124.00	81	3.70	7440	C 0 5 2 0 1 2 5 _ M _ - _ _ . 1 2 4 A _	19.5	63
5.7	240.00	131	3.67	7440	2 5 0		
8.5	160.26	103	3.82	7440	C 0 5 3 0 1 6 0 _ M _ - _ _ . 1 2 4 A _	22.5	63
7.2	187.76	120	3.27	7440	1 8 0		
5.9	228.81	125	3.85	7440	2 2 5		
5.2	262.58	165	2.34	7440	2 6 5		
4.7	291.75	183	2.11	7440	2 8 0		
4.4	310.18	165	2.91	7440	3 1 5		
3.7	363.40	192	2.50	7440	3 6 0		
3.4	402.70	251	1.53	7440	4 0 0		
3.0	457.66	285	1.34	7440	4 5 0		
2.7	508.21	264	1.82	7440	5 0 0		
2.4	564.68	292	1.65	7440	5 6 0		
1.7	779.42	397	1.21	7430	8 0 0		
1.5	885.79	450	1.07	7420	9 0 0		

NOTE

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

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
5.1	285.95	178	3.72	11900	C 0 6 3 0 2 6 5 _ MC- _ _ . 1 2 4 A _	38.5	63
4.5	299.67	200	3.31	11800	2 8 0		
4.1	328.67	184	3.59	11900	3 1 5		
3.8	357.32	199	3.32	11900	3 6 0		
3.4	395.39	261	2.53	11800	4 0 0		
3.0	448.50	286	2.24	11800	4 5 0		
2.6	514.75	280	2.36	11800	5 0 0		
2.3	580.00	314	2.11	11800	5 6 0		
1.8	765.28	409	1.62	11700	8 0 0		
1.6	870.00	461	1.44	11700	9 0 0		
2.0	677.15	446	1.48	11482	C 0 6 4 0 8 3 0 _ MC- _ _ . 1 2 4 A _	48.5	63
1.8	736.19	484	1.37	11482	7 1 0		
1.7	816.20	533	1.24	11482	8 0 0		
1.6	871.44	568	1.17	11482	9 0 0		
1.3	1040.43	675	0.98	11482	1 0 C		
1.2	1110.85	719	0.92	11482	1 1 C		
3.4	395.39	261	3.24	9530	C 0 6 3 0 4 0 0 _ MJ- _ _ . 1 2 4 A _	38.5	63
3.0	449.50	296	2.85	9510	4 5 0		
2.3	580.00	316	3.95	9520	5 6 0		
1.8	765.28	412	3.03	9470	8 0 0		
1.6	870.00	464	2.69	9440	9 0 0		
2.0	677.15	448	1.93	9145	C 0 6 4 0 8 3 0 _ MJ- _ _ . 1 2 4 A _	48.5	63
1.8	736.19	486	1.78	9145	7 1 0		
1.7	816.20	535	1.60	9154	8 0 0		
1.6	871.44	570	1.50	9154	9 0 0		
1.3	1040.43	679	1.26	9154	1 0 C		
1.2	1110.85	723	1.18	9154	1 1 C		
1.0	1324.64	860	0.99	9154	1 2 C		
.98	1414.52	917	0.93	9154	1 4 C		
2.7	499.86	321	3.95	29200	C 0 7 3 0 5 0 0 _ M_ - _ _ . 1 2 4 A _	88.5	63
2.5	547.35	350	3.62	29200	5 6 0		
1.8	747.66	471	2.67	29200	8 0 0		
1.6	838.50	526	2.39	29200	9 0 0		
1.7	791.70	541	2.47	26824	C 0 7 4 0 8 0 0 _ M_ - _ _ . 1 2 4 A _	92.5	63
1.6	860.72	587	2.28	26824	9 0 0		
1.3	1009.20	686	1.95	26824	1 0 C		
1.2	1097.19	744	1.80	26824	1 1 C		
1.1	1239.94	840	1.59	26824	1 2 C		
.97	1397.12	943	1.42	26824	1 4 C		
.86	1580.59	1064	1.26	26824	1 6 C		
.76	1780.94	1194	1.12	26824	1 8 C		
.69	1964.58	1313	1.02	26824	2 0 C		
.62	2185.71	1455	0.92	26824	2 2 C		
.55	2462.77	1634	0.82	26824	2 5 C		
1.2	1125.50	768	3.64	41656	C 0 8 4 0 1 1 C _ M_ - _ _ . 1 2 4 A _	150.5	63
1.1	1201.68	819	3.41	41656	1 2 C		
.95	1435.01	974	2.87	41656	1 4 C		
.89	1532.14	1039	2.69	41656	1 6 C		
.77	1758.40	1192	2.34	41656	1 8 C		
.71	1925.42	1303	2.14	41656	2 0 C		
.61	2241.96	1511	1.85	41656	2 2 C		
.55	2454.91	1652	1.69	41656	2 5 C		
.50	2698.86	1810	1.54	41656	2 8 C		
.41	3353.30	2239	1.25	41656	3 2 C		
.36	3760.71	2501	1.12	41656	3 6 C		
.34	4036.38	2677	1.04	41656	4 0 C		
.30	4526.79	2990	0.93	41656	4 5 C		
.70	1948.58	1345	3.68	53383	C 0 9 4 0 2 0 C M - . 1 2 4 A	223.5	63
.62	2187.59	1495	3.37	53338	2 2 C		
.55	2484.44	1707	2.90	53383	2 5 C		
.46	2935.20	2001	2.52	53338	2 8 C		
.40	3417.75	2323	2.17	53338	3 2 C		
.36	3742.38	2540	1.99	53338	3 6 C		
.33	4113.96	2784	1.81	53338	4 0 C		
.30	4504.71	3043	1.66	53338	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
97	8.59	9	9.13	2860	C 0 3 208. 0 _ M _ - _ _ . 1 2 6 A _	14.9	63
72	11.61	12	7.47	2860	11.		
63	13.20	14	6.76	2860	12.		
56	14.95	16	6.19	2860	14.		
51	16.36	15	6.01	2860	16.		
44	19.13	20	5.16	2850	18.		
41	20.61	22	4.90	2850	20.		
36	22.11	21	4.91	2850	22.		
33	25.14	23	4.48	2850	25.		
29	28.48	26	4.12	2850	28.		
25	33.71	36	3.45	2850	32.		
23	36.43	33	3.46	2850	36.		
21	39.26	36	3.29	2850	40.		
18	45.50	48	2.86	2840	45.		
16	53.31	56	2.59	2830	50.		
15	56.19	51	2.57	2840	56.		
13	64.21	57	2.34	2830	63.		
11	74.55	77	1.93	2820	71.		
10	82.83	85	1.75	2820	80.		
10	86.67	76	1.96	2830	90.		
8.2	101.54	88	1.69	2820	100		
7.3	114.33	116	1.28	2800	112		
6.4	129.94	131	1.13	2800	125		
5.9	142.00	120	1.23	2800	140		
5.3	157.78	133	1.12	2800	160		
3.8	217.78	181	0.82	2770	212		
7.9	105.36	106	1.40	2810	C 0 3 30100 _ M _ - _ _ . 1 2 6 A _	18.9	63
6.9	120.39	120	1.23	2800	118		
5.1	162.50	161	0.92	2780	160		
4.2	200.68	184	0.91	2780	200		
16	53.31	56	3.62	5290	C 0 4 2050 . _ M _ - _ _ . 1 2 6 A _	17.9	63
13	64.21	58	3.75	5290	63.		
11	74.55	78	2.60	5290	71.		
10	82.83	86	2.19	5290	80.		
10	86.67	77	3.17	5290	90.		
8.2	101.54	90	2.83	5290	100		
7.3	114.33	117	1.49	5290	112		
6.4	129.94	132	1.14	5280	125		
5.9	142.00	123	2.25	5290	140		
5.3	157.78	136	2.04	5280	160		
3.8	217.78	184	1.49	5270	212		
3.4	247.50	207	1.14	5260	250		
7.9	105.36	107	1.86	5290	C 0 4 30100 _ M _ - _ _ . 1 2 6 A _	20.9	63
6.9	120.39	122	1.63	5290	118		
5.1	162.50	163	1.21	5280	160		
4.4	190.38	190	1.04	5270	180		
4.2	200.68	168	1.65	5280	200		
3.8	229.32	191	1.45	5270	225		
2.7	309.52	254	1.09	5250	315		
2.3	362.64	295	0.94	5240	360		
7.7	109.07	115	3.08	7440	C 0 5 20112 _ M _ - _ _ . 1 2 6 A _	19.9	63
6.7	124.00	130	2.35	7440	125		
5.9	142.00	127	3.78	7440	140		
5.2	160.00	142	3.36	7440	160		
4.0	211.11	185	2.59	7440	212		
3.5	240.00	209	2.30	7440	250		
8.0	103.90	109	3.61	7440	C 0 5 30100 _ M _ - _ _ . 1 2 6 A _	22.9	63
7.0	118.73	124	3.16	7440	118		
5.2	160.26	166	2.35	7440	160		
4.4	187.76	193	2.00	7440	180		
4.2	201.10	175	2.74	7440	200		
3.6	229.81	199	2.41	7440	225		
3.2	262.58	268	1.44	7440	265		
2.9	291.75	295	1.30	7440	280		
2.7	310.18	264	1.82	7440	315		
2.3	363.40	307	1.57	7440	360		
2.1	402.70	407	0.94	7430	400		
1.8	457.66	459	0.83	7420	450		
1.6	508.21	423	1.14	7430	500		
1.5	564.68	468	1.03	7420	560		
6.7	124.00	137	3.79	11900	C 0 6 20125 _ MC - _ _ . 1 2 6 A _	33.9	63
3.9	214.00	198	3.34	11900	212		
3.5	240.00	220	3.01	11900	250		

NOTE

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

0.12 kW

6 POLE

N2 R/MIN Output Speed	i Ratio	M2 Nm Output Torque	Fm Service Factor	N Overhung Load	UNIT DESIGNATION Column Entry 1 Through 20 Spaces to be filled when entering order	Kg Weight of Base Mount Unit	Motor Frame Size
4.9	169.81	186	3.55	11900	C 0 6 3 0 1 8 0 MC- .1 2 6 A	38.9	63
4.5	184.62	202	3.28	11900	1 8 0		
3.1	265.95	287	2.30	11800	2 6 5		
2.8	299.67	322	2.06	11800	2 8 0		
2.5	328.67	294	2.25	11800	3 1 5		
2.3	357.32	318	2.08	11800	3 6 0		
2.1	395.39	421	1.57	11700	4 0 0		
1.9	449.50	478	1.38	11700	4 5 0		
1.6	514.75	448	1.48	11700	5 0 0		
1.4	580.00	502	1.32	11700	5 6 0		
1.1	765.28	653	1.01	11600	8 0 0		
.96	870.00	737	0.90	11500	9 0 0		
1.2	677.15	719	0.92	11482	C 0 6 4 0 6 3 0 _ MC- _ _ .1 2 6 A _	48.9	63
1.1	736.19	780	0.85	11482	7 1 0		
6.7	124.00	137	3.79	9620	C 0 6 2 0 1 2 5 _ MJ - _ _ .1 2 6 A _	33.9	63
3.5	240.00	220	3.78	9580	2 5 0		
3.1	285.95	287	2.84	9530	C 0 6 3 0 2 8 5 MJ - .1 2 6 A	38.9	63
2.8	299.67	322	2.62	9510	2 8 0		
2.3	357.32	320	3.90	9530	3 6 0		
2.1	395.39	421	1.99	9460	4 0 0		
1.9	449.50	478	1.75	9420	4 5 0		
1.6	514.75	451	2.77	9470	5 0 0		
1.4	580.00	505	2.47	9430	5 6 0		
1.1	765.28	658	1.90	9360	8 0 0		
.96	870.00	743	1.68	9320	9 0 0		
1.2	677.15	724	1.19	9145	C 0 6 4 0 6 3 0 MJ - .1 2 6 A	48.9	63
1.1	736.19	785	1.10	9145	7 1 0		
1.0	816.20	866	0.99	9154	8 0 0		
.96	871.44	922	0.93	9154	9 0 0		
2.6	319.95	336	3.77	29200	C 0 7 3 0 3 1 5 _ M _ - _ _ .1 2 6 A _	88.9	63
2.4	341.81	359	3.54	29200	3 6 0		
2.2	373.83	417	3.21	29200	4 0 0		
2.0	419.25	465	2.88	29200	4 5 0		
1.7	499.68	515	2.44	29200	5 0 0		
1.5	547.35	562	2.24	29200	5 6 0		
1.1	747.66	762	1.65	29200	8 0 0		
.00	838.50	852	1.48	29200	9 0 0		
1.1	791.70	876	1.53	26824	C 0 7 4 0 8 0 0 _ M _ - _ _ .1 2 6 A _	92.9	63
.97	860.72	950	1.41	26824	9 0 0		
.83	1009.20	1109	1.21	26824	1 0 C		
.78	1097.19	1203	1.11	26824	1 1 C		
.67	1239.94	1357	0.99	26824	1 2 C		
.60	1397.12	1523	0.88	26824	1 4 C		
1.5	563.34	692	3.97	41712	C 0 8 4 0 5 6 0 _ M _ - _ _ .1 2 6 A _	150.9	63
1.4	617.55	690	3.64	41712	6 3 0		
1.2	684.72	760	3.68	41656	7 1 0		
1.0	796.39	883	3.16	41656	8 0 0		
.96	873.02	964	2.90	41656	9 0 0		
.82	1015.39	1119	2.50	41656	1 0 C		
.74	1125.50	1244	2.25	41656	1 1 C		
.69	1201.88	1327	2.11	41656	1 2 C		
.58	1435.01	1575	1.77	41656	1 4 C		
.54	1532.14	1680	1.66	41656	1 6 C		
.47	1758.40	1928	1.45	41656	1 8 C		
.43	1925.42	2107	1.33	41656	2 0 C		
.37	2241.96	2439	1.15	41656	2 2 C		
.34	2454.91	2664	1.05	41656	2 5 C		
.31	2698.66	2915	0.96	41656	2 8 C		
.74	1125.21	1265	3.92	53383	C 0 9 4 0 1 1 C M - .1 2 6 A	223.9	63
.69	1214.05	1355	3.72	53338	1 2 C		
.63	1331.65	1498	3.31	53383	1 4 C		
.53	1590.21	1781	2.78	53383	1 6 C		
.48	1831.90	2038	2.48	53338	1 8 C		
.43	1948.58	2179	2.27	53383	2 0 C		
.38	2167.59	2422	2.08	53338	2 2 C		
.34	2484.44	2762	1.79	53383	2 5 C		
.28	2935.20	3242	1.56	53338	2 8 C		
.24	3417.75	3759	1.34	53338	3 2 C		
.22	3742.38	4109	1.23	53338	3 6 C		
.20	4113.96	4500	1.12	53338	4 0 C		
.19	4504.71	4917	1.03	53338	4 5 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 Output Speed	i Ratio	M2 Nm Output Torque	Fm Service Factor	N Overhung Load	UNIT DESIGNATION Column Entry [1] Through [20] Spaces to be filled when entering order	Kg Weight of Base Mount Unit	Motor Frame Size
158	8.59	9	8.96	2858	C 0 3 2 0 8 . 0 _ M _ - _ _ . 1 8 4 A _	14.9	63
117	11.61	12	7.24	2857	1 1 .		
103	13.20	13	6.62	2857	1 2 .		
91	14.95	15	6.04	2857	1 4 .		
83	16.36	15	5.78	2856	1 6 .		
71	19.13	19	5.07	2856	1 8 .		
66	20.61	21	4.81	2856	2 0 .		
62	22.11	19	4.73	2856	2 2 .		
54	25.14	22	4.33	2855	2 5 .		
48	28.48	25	3.99	2855	2 8 .		
40	33.71	33	3.36	2844	3 2 .		
37	36.43	31	3.36	2844	3 6 .		
35	39.26	34	3.20	2844	4 0 .		
30	45.50	45	2.70	2841	4 5 .		
26	53.31	52	2.42	2831	5 0 .		
24	56.19	48	2.50	2841	5 6 .		
21	64.21	54	2.28	2830	6 3 .		
18	74.55	72	1.99	2825	7 1 .		
16	82.83	79	1.84	2818	8 0 .		
16	86.67	72	1.93	2825	9 0 .		
13	101.54	83	1.71	2816	1 0 0		
12	114.33	108	1.37	2801	1 1 2		
10	129.94	123	1.19	2796	1 2 5		
10	142.00	113	1.31	2801	1 4 0		
8.6	157.78	125	1.19	2796	1 6 0		
6.2	217.78	170	0.88	2770	2 1 2		
13	105.36	98	1.51	2810	C 0 3 3 0 1 0 0 _ M _ - _ _ . 1 8 4 A _	16.9	63
11	120.39	112	1.32	2801	1 1 8		
8.4	162.50	150	0.99	2782	1 6 0		
7.1	190.38	175	0.85	2770	1 8 0		
6.8	200.68	154	0.96	2780	2 0 0		
5.9	229.32	175	0.85	2770	2 2 5		
26	53.31	53	3.94	5286	C 0 4 2 0 5 0 . _ M _ - _ _ . 1 8 4 A _	17.9	63
24	56.19	49	3.99	5287	5 6 .		
21	64.21	55	3.64	5286	6 3 .		
18	74.55	72	2.82	5284	7 1 .		
16	82.83	80	2.36	5284	8 0 .		
16	86.67	73	3.08	5287	9 0 .		
13	101.54	85	2.75	5285	1 0 0		
12	114.33	110	1.55	5280	1 1 2		
10	129.94	124	1.19	5278	1 2 5		
10	142.00	116	2.17	5280	1 4 0		
8.6	157.78	128	2.01	5278	1 6 0		
6.2	217.78	173	1.55	5271	2 1 2		
5.5	247.50	196	1.19	5261	2 5 0		
13	105.36	100	2.03	5281	C 0 4 3 0 1 0 0 _ M _ - _ _ . 1 8 4 A _	20.9	63
11	120.39	114	1.77	5280	1 1 8		
8.4	162.50	153	1.31	5275	1 6 0		
7.1	190.38	177	1.13	5270	1 8 0		
6.8	200.68	158	1.74	5275	2 0 0		
5.9	229.32	180	1.54	5271	2 2 5		
5.1	266.25	246	0.80	5246	2 6 5		
4.4	309.52	239	1.16	5250	3 1 5		
3.8	362.64	277	1.00	5240	3 6 0		
12	109.07	107	3.23	7438	C 0 5 2 0 1 1 2 _ M _ - _ _ . 1 8 4 A _	19.9	63
11	124.00	121	2.46	7438	1 2 5		
8.5	160.00	134	3.58	7436	1 6 0		
6.4	211.11	174	2.76	7433	2 1 2		
5.7	240.00	196	2.45	7437	2 5 0		
13	103.90	102	3.92	7436	C 0 5 3 0 1 0 0 _ M _ - _ _ . 1 8 4 A _	22.9	63
11	118.73	116	3.43	7435	1 1 8		
8.5	160.26	155	2.55	7434	1 6 0		
7.2	187.76	180	2.18	7434	1 8 0		
6.8	201.10	165	2.92	7435	2 0 0		
5.9	229.81	187	2.57	7434	2 2 5		
5.2	262.58	248	1.58	7432	2 6 5		
4.7	291.75	275	1.41	7430	2 8 0		
4.4	310.18	248	1.94	7432	3 1 5		
3.7	363.40	289	1.67	7428	3 6 0		
3.4	402.70	376	1.02	7421	4 0 0		
3.0	457.66	428	0.90	7416	4 5 0		
2.7	508.21	397	1.21	7421	5 0 0		
2.4	584.66	438	1.10	7420	5 8 0		
1.7	779.42	596	0.81	7390	8 0 0		
6.4	214.00	187	3.54	11861	C 0 6 2 0 2 1 2 _ MC - _ _ . 1 8 4 A _	33.9	63
5.7	240.00	208	3.18	11852	2 5 0		

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
8.0	169.81	173	3.82	11861	C 0 6 3 0 1 6 0 _ MC- _ _ . 1 8 4 A _	38.9	63
7.4	184.62	188	3.52	11852	1 8 0		
5.1	265.95	267	2.48	11830	2 6 5		
4.5	299.67	300	2.21	11728	2 8 0		
4.1	328.67	277	2.39	11828	3 1 5		
3.8	357.32	299	2.21	11828	3 5 0		
3.4	395.39	392	1.69	11704	4 0 0		
3.0	449.50	444	1.49	11861	4 5 0		
2.6	514.75	421	1.57	11707	5 0 0		
2.3	580.00	471	1.41	11707	5 8 0		
1.8	765.28	614	1.08	11600	8 0 0		
1.6	870.00	691	0.96	11500	9 0 0		
2.0	677.15	669	0.99	11482	C 0 6 4 0 6 3 0 _ MC- _ _ . 1 8 4 A _	48.9	63
1.8	736.19	726	0.91	11482	7 1 0		
1.7	816.20	800	0.83	11482	8 0 0		
5.1	265.95	267	3.20	9526	C 0 6 3 0 2 6 5 _ MJ - _ _ . 1 8 4 A _	38.9	63
4.5	299.67	300	2.85	9510	2 8 0		
3.8	357.32	301	3.98	9527	3 6 0		
3.4	395.39	392	2.16	9453	4 0 0		
3.0	449.50	444	1.90	9422	4 5 0		
2.6	514.75	424	2.94	9466	5 0 0		
2.3	580.00	475	2.63	9432	5 8 0		
1.8	765.28	616	2.02	9360	8 0 0		
1.6	870.00	697	1.79	9310	9 0 0		
2.0	677.15	672	1.29	9145	C 0 6 4 0 6 3 0 _ MJ - _ _ . 1 8 4 A _	48.9	63
1.8	736.19	730	1.18	9145	7 1 0		
1.7	816.20	803	1.07	9154	8 0 0		
1.6	871.44	856	1.00	9154	9 0 0		
1.3	1040.43	1018	0.84	9154	1 0 C		
4.0	341.61	333	3.81	28143	C 0 7 3 0 3 8 0 _ M_ - _ _ . 1 8 4 A _	88.9	63
3.6	373.83	387	3.46	27930	4 0 0		
3.2	419.25	432	3.10	29161	4 5 0		
2.7	499.88	482	2.63	29152	5 0 0		
2.5	547.35	526	2.41	29152	5 8 0		
1.8	747.66	707	1.78	29130	8 0 0		
1.8	838.50	790	1.59	29116	9 0 0		
1.7	791.70	811	1.65	26824	C 0 7 4 0 8 0 0 _ M_ - _ _ . 1 8 4 A _	92.9	63
1.6	860.72	881	1.52	26824	9 0 0		
1.3	1009.20	1029	1.30	26824	1 0 C		
1.2	1097.19	1117	1.20	26824	1 1 C		
1.1	1239.94	1260	1.06	26824	1 2 C		
.97	1397.12	1415	0.95	26824	1 4 C		
.86	1580.59	1596	0.84	26824	1 6 C		
2.2	617.55	639	3.93	41712	C 0 8 4 0 6 3 0 _ M_ - _ _ . 1 8 4 A _	150.9	63
2.0	684.72	704	3.97	41656	7 1 0		
1.7	796.39	818	3.42	41658	8 0 0		
1.6	873.02	893	3.13	41658	9 0 0		
1.3	1015.39	1038	2.69	41656	1 0 C		
1.2	1125.50	1152	2.43	41656	1 1 C		
1.1	1201.68	1229	2.27	41656	1 2 C		
.95	1435.01	1482	1.91	41658	1 4 C		
.89	1532.14	1559	1.79	41656	1 6 C		
.77	1758.40	1789	1.56	41658	1 8 C		
.71	1925.42	1955	1.43	41656	2 0 C		
.61	2241.96	2267	1.23	41656	2 2 C		
.55	2454.91	2479	1.13	41658	2 5 C		
.50	2698.66	2715	1.03	41656	2 8 C		
.41	3353.30	3359	0.83	41658	3 2 C		
1.0	1331.65	1385	3.58	53383	C 0 9 4 0 1 4 C _ M_ - _ _ 1 8 4 A _	223.9	63
.86	1590.21	1649	3.00	53383	1 6 C		
.74	1831.90	1885	2.68	53338	1 8 C		
.70	1948.58	2017	2.46	53383	2 0 C		
.62	2187.59	2243	2.25	53338	2 2 C		
.55	2464.44	2560	1.94	53383	2 5 C		
.46	2935.20	3002	1.68	53338	2 8 C		
.40	3417.75	3485	1.45	53338	3 2 C		
.36	3742.38	3810	1.32	53338	3 6 C		
.33	4113.96	4176	1.21	53338	4 0 C		
.30	4504.71	4585	1.10	53338	4 5 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
98	8.59	14	6.12	2857	C 0 3 2 0 8 . 0 _ M _ - _ _ . 1 8 6 A _	18.8	71
72	11.61	19	5.01	2856	1 1 .		
64	13.20	21	4.53	2855	1 2 .		
58	14.95	24	4.15	2855	1 4 .		
51	16.35	23	4.03	2855	1 8 .		
44	19.13	31	3.46	2845	1 8 .		
41	20.61	33	3.29	2844	2 0 .		
38	22.11	31	3.29	2845	2 2 .		
33	25.14	35	3.00	2844	2 5 .		
29	28.48	40	2.76	2843	2 8 .		
25	33.71	54	2.31	2840	3 2 .		
23	36.43	50	2.32	2841	3 6 .		
21	39.26	54	2.21	2840	4 0 .		
18	45.50	71	1.92	2827	4 5 .		
16	53.31	83	1.74	2816	5 0 .		
15	56.19	78	1.72	2827	5 6 .		
13	64.21	85	1.57	2816	6 3 .		
11	74.55	115	1.28	2800	7 1 .		
10	82.83	127	1.17	2798	8 0 .		
10	86.67	113	1.31	2810	9 0 .		
8.3	101.54	131	1.13	2796	1 0 0		
7.3	114.33	174	0.86	2772	1 1 2		
5.9	142.00	160	0.83	2772	1 4 0		
8.0	105.36	158	0.94	2135	C 0 3 3 0 1 0 0 _ M _ - _ _ . 1 8 6 A _	19.8	71
7.0	120.39	160	0.83	2772	1 1 8		
25	33.71	54	3.83	5288	C 0 4 2 0 3 2 . _ M _ - _ _ . 1 8 6 A _	19.8	71
23	36.43	51	3.71	5286	3 6 .		
21	39.26	55	3.53	5288	4 0 .		
18	45.50	72	2.84	5285	4 5 .		
16	53.31	84	2.43	5284	5 0 .		
15	56.19	77	2.76	5285	5 6 .		
13	64.21	87	2.51	5283	6 3 .		
11	74.55	118	1.75	5281	7 1 .		
10	82.83	128	1.47	5278	8 0 .		
10	86.67	118	2.13	5280	9 0 .		
8.3	101.54	134	1.90	5278	1 0 0		
7.3	114.33	175	1.00	5273	1 1 2		
5.9	142.00	163	1.51	5273	1 4 0		
5.3	157.78	202	1.37	5263	1 6 0		
3.9	217.78	274	1.00	5246	2 1 2		
8.0	105.36	160	1.25	5276	C 0 4 3 0 1 0 0 _ M _ - _ _ . 1 8 6 A _	22.8	71
7.0	120.39	162	1.09	5273	1 1 8		
5.2	162.50	243	0.81	5256	1 6 0		
4.2	200.68	251	1.10	5256	2 0 0		
3.7	229.32	285	0.97	5242	2 2 5		
11	73.37	117	3.40	7436	C 0 5 2 0 7 1 . _ M _ - _ _ . 1 8 6 A _	22.8	71
10	82.67	131	2.98	7435	8 0 .		
9.3	90.67	125	3.85	7435	9 0 .		
8.5	98.57	135	3.56	7435	1 0 0		
7.7	109.07	172	2.07	7434	1 1 2		
6.8	124.00	194	1.58	7434	1 2 5		
5.9	142.00	190	2.53	7434	1 4 0		
5.3	160.00	212	2.27	7431	1 8 0		
4.0	211.11	276	1.74	6731	2 1 2		
3.5	240.00	311	1.55	7428	2 5 0		
8.1	103.90	163	2.42	7037	C 0 5 3 0 1 0 0 _ M _ - _ _ . 1 8 6 A _	26.8	71
7.1	118.73	185	2.12	6984	1 1 8		
5.2	160.26	247	1.58	6731	1 6 0		
4.5	187.76	289	1.34	7427	1 8 0		
4.2	201.10	262	1.84	7430	2 0 0		
3.7	229.81	297	1.62	7427	2 2 5		
3.2	262.58	400	0.96	7420	2 6 5		
2.9	291.75	441	0.87	7418	2 8 0		
2.7	310.18	395	1.22	7423	3 1 5		
2.3	363.40	459	1.05	7094	3 6 0		
7.6	110.57	184	3.59	11857	C 0 6 2 0 1 1 2 _ MC - _ _ . 1 8 6 A _	35.8	71
6.8	124.00	205	2.54	11852	1 2 5		
5.9	143.08	203	3.26	11861	1 4 0		
5.4	156.67	221	2.99	11852	1 6 0		
3.9	214.00	295	2.24	11833	2 1 2		
3.5	240.00	328	2.02	11823	2 5 0		

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
4.9	169.81	278	2.38	11833	C 0 6 3 0 1 5 0 _ MC - _ _ . 1 8 6 A _	40.8	71
4.5	184.62	301	2.20	11823	1 8 0		
3.2	265.95	428	1.55	11702	2 5 5		
2.8	299.67	480	1.38	11680	2 8 0		
2.6	328.67	438	1.51	11704	3 1 5		
2.4	357.32	475	1.40	11704	3 6 0		
2.1	395.39	628	1.05	11556	4 0 0		
1.9	449.50	714	0.93	11515	4 5 0		
1.6	514.75	668	0.99	11561	5 0 0		
1.4	580.00	749	0.88	11515	5 6 0		
7.6	110.57	184	3.91	9595	C 0 6 2 0 1 1 2 _ MJ - _ _ . 1 8 6 A _	35.8	71
6.8	124.00	205	2.54	9580	1 2 5		
5.4	156.67	221	3.84	9582	1 6 0		
3.9	214.00	295	2.87	9537	2 1 2		
3.5	240.00	329	2.54	9520	2 5 0		
4.9	169.81	278	3.08	9537	C 0 6 3 0 1 8 0 _ MJ - _ _ . 1 8 6 A _	40.8	71
4.5	184.62	302	2.83	9523	1 8 0		
3.2	265.95	429	1.97	9450	2 8 5		
2.8	299.67	480	1.75	9421	2 8 0		
2.6	328.67	441	2.83	9465	3 1 5		
2.4	357.32	477	2.62	9448	3 6 0		
2.1	395.39	629	1.33	9342	4 0 0		
1.9	449.50	713	1.17	9290	4 5 0		
1.6	514.75	673	1.86	9350	5 0 0		
1.4	580.00	754	1.66	9300	5 6 0		
1.1	765.26	981	1.27	9190	8 0 0		
.97	870.00	1108	1.13	9120	9 0 0		
1.2	677.15	1080	0.80	9145	C 0 6 4 0 6 3 0 _ MJ - _ _ . 1 8 6 A _	50.8	71
3.7	226.39	358	3.54	29180	C 0 7 3 0 2 2 5 M _ - _ _ . 1 8 6 A	90.8	71
3.4	249.94	420	3.16	29171	2 6 5		
3.1	273.68	459	2.92	29161	2 8 0		
2.6	319.95	502	2.53	29161	3 1 5		
2.5	341.61	535	2.37	29152	3 5 0		
2.2	379.83	622	2.15	29144	4 0 0		
2.0	419.25	694	1.93	29144	4 5 0		
1.7	499.88	769	1.64	29130	5 0 0		
1.5	547.35	838	1.50	29118	5 6 0		
1.1	747.66	1136	1.11	29080	8 0 0		
1.0	838.50	1270	0.99	29058	9 0 0		
1.1	791.70	1306	1.02	26824	C 0 7 4 0 8 0 0 _ M _ - _ _ . 1 8 6 A _	94.8	71
.98	860.72	1417	0.94	26824	9 0 0		
.83	1009.20	1653	0.81	26824	1 0 C		
2.1	402.47	644	3.83	41712	C 0 8 4 0 4 0 0 M _ - _ _ . 1 8 6 A _	152.8	71
1.9	441.20	703	3.51	41712	4 5 0		
1.7	484.35	812	3.10	41712	5 0 0		
1.5	563.34	943	2.67	41712	5 6 0		
1.4	617.55	1029	2.44	41712	6 3 0		
1.2	684.72	1134	2.46	41656	7 1 0		
1.1	796.39	1317	2.12	41656	8 0 0		
.96	873.02	1437	1.94	41656	9 0 0		
.83	1015.39	1669	1.67	41656	1 0 C		
.75	1125.50	1854	1.51	41656	1 1 C		
.70	1201.68	1978	1.41	41656	1 2 C		
.59	1435.01	2349	1.19	41656	1 4 C		
.55	1532.14	2506	1.12	41656	1 6 C		
.48	1758.40	2875	0.97	41656	1 8 C		
.44	1925.42	3141	0.89	41656	2 0 C		
1.1	758.76	1279	3.87	53383	C 0 9 4 0 8 0 0 _ M _ - _ _ . 1 8 6 A _	225.8	71
.95	882.52	1486	3.33	53383	9 0 0		
.87	967.44	1624	3.05	53383	1 0 C		
.75	1125.21	1886	2.63	53383	1 1 C		
.69	1214.05	2021	2.50	53338	1 2 C		
.63	1331.65	2234	2.22	53383	1 4 C		
.53	1590.21	2656	1.87	53383	1 6 C		
.48	1831.90	3039	1.68	53338	1 8 C		
.43	1948.58	3250	1.52	53383	2 0 C		
.36	2187.59	3612	1.40	53338	2 2 C		
.34	2484.44	4119	1.20	53383	2 5 C		
.29	2935.20	4835	1.04	53338	2 8 C		
.25	3417.75	5605	0.90	53338	3 2 C		
.22	3742.38	6126	0.82	53338	3 6 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
159	8.59	12	6.50	2856	C 0 3 2 0 8 . 0 _ M _ - _ _ . 2 5 4 A _	16.3	71
118	11.61	16	5.25	2855	1 1 .		
104	13.20	18	4.60	2854	1 2 .		
92	14.95	21	4.38	2854	1 4 .		
84	16.36	20	4.20	2853	1 6 .		
72	19.13	27	3.58	2852	1 8 .		
66	20.61	28	3.49	2852	2 0 .		
62	22.11	27	3.43	2852	2 2 .		
54	25.14	31	3.14	2849	2 5 .		
48	28.48	34	2.89	2849	2 8 .		
41	33.71	46	2.43	2837	3 2 .		
38	36.43	43	2.44	2837	3 6 .		
35	39.26	47	2.32	2837	4 0 .		
30	45.50	62	1.96	2831	4 5 .		
26	53.31	72	1.75	2821	5 0 .		
24	58.19	66	1.81	2831	5 6 .		
21	64.21	75	1.65	2818	6 3 .		
18	74.55	99	1.44	2808	7 1 .		
17	82.83	110	1.33	2804	8 0 .		
16	86.67	99	1.40	2808	9 0 .		
13	101.54	115	1.24	2800	1 0 0		
12	114.33	149	0.99	2780	1 1 2		
11	129.94	170	0.86	2770	1 2 5		
10	142.00	157	0.95	2780	1 4 0		
8.7	157.78	172	0.86	2770	1 6 0		
13	105.36	136	1.09	2768	C 0 3 3 0 1 0 0 _ M _ - _ _ . 2 5 4 A _	19.3	71
11	120.39	155	0.96	2780	1 1 8		
38	36.43	45	3.89	5286	C 0 4 2 0 3 6 . _ M _ - _ _ . 2 5 4 A _	19.3	71
35	39.26	49	3.70	5286	4 0 .		
30	45.50	62	3.28	5285	4 5 .		
26	53.31	73	2.86	5281	5 0 .		
24	56.19	67	2.89	5283	5 6 .		
21	64.21	76	2.64	5281	6 3 .		
18	74.55	100	2.05	5277	7 1 .		
17	82.83	111	1.72	5277	8 0 .		
16	86.67	101	2.24	5284	9 0 .		
13	101.54	117	2.00	5279	1 0 0		
12	114.33	151	1.13	5269	1 1 2		
11	129.94	171	0.86	5264	1 2 5		
10	142.00	160	1.57	5269	1 4 0		
8.7	157.78	176	1.46	5264	1 6 0		
6.3	217.78	239	1.13	5250	2 1 2		
5.5	247.50	270	0.86	5240	2 5 0		
13	105.36	138	1.47	5271	C 0 4 3 0 1 0 0 _ M _ - _ _ . 2 5 4 A _	22.3	71
11	120.39	157	1.28	5268	1 1 8		
8.4	162.50	211	0.95	5258	1 6 0		
7.2	190.36	244	0.82	5246	1 8 0		
6.8	200.68	218	1.26	5258	2 0 0		
6.0	229.32	248	1.12	5250	2 2 5		
17	82.67	114	3.50	7436	C 0 5 2 0 8 0 . _ M _ - _ _ . 2 5 4 A _	22.3	71
13	109.07	148	2.34	7435	1 1 2		
11	124.00	167	1.79	7436	1 2 5		
10	142.00	166	2.90	7436	1 4 0		
8.6	160.00	185	2.60	7431	1 6 0		
6.5	211.11	241	2.00	7425	2 1 2		
5.7	240.00	271	1.78	7434	2 5 0		
13	103.90	140	2.65	7433	C 0 5 3 0 1 0 0 _ M _ - _ _ . 2 5 4 A _	26.3	71
12	118.73	160	2.49	7430	1 1 8		
8.5	160.26	213	1.85	7427	1 6 0		
7.3	187.76	248	1.58	7427	1 8 0		
6.8	201.10	227	2.12	7430	2 0 0		
6.0	229.81	258	1.86	7427	2 2 5		
5.2	262.58	343	1.13	7424	2 6 5		
4.7	291.75	380	1.02	7419	2 8 0		
4.4	310.18	342	1.41	7424	3 1 5		
3.8	383.40	398	1.21	7414	3 6 0		
2.7	506.21	547	0.88	7400	5 0 0		
11	124.00	177	2.99	11838	C 0 6 2 0 1 2 5 _ MC - _ _ . 2 5 4 A _	35.3	71
10	143.08	177	3.73	11838	1 4 0		
8.7	156.67	193	3.43	11838	1 6 0		
6.4	214.00	257	2.57	11817	2 1 2		
5.7	240.00	287	2.31	11796	2 5 0		

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
8.1	169.81	239	2.77	11817	C 0 6 3 0 1 6 0 _ MC- _ _ .2 5 4 A _	40.3	71
7.4	184.62	259	2.55	11796	1 8 0		
5.2	265.95	368	1.80	11748	2 6 5		
4.6	299.67	413	1.60	11644	2 8 0		
4.2	328.87	382	1.73	11744	3 1 5		
3.8	357.32	412	1.61	11744	3 6 0		
3.5	395.39	541	1.22	11592	4 0 0		
3.0	449.50	613	1.08	11500	4 5 0		
2.7	514.75	580	1.14	11600	5 0 0		
2.4	580.00	649	1.02	11600	5 6 0		
11	124.00	177	2.99	9578	C 0 6 2 0 1 2 5 _ MJ - _ _ .2 5 4 A _	35.3	71
6.4	214.00	258	3.29	9555	2 1 2		
5.7	240.00	287	2.96	9537	2 5 0		
8.1	169.81	240	3.62	9555	C 0 6 3 0 1 6 0 _ MJ - _ _ .2 5 4 A _	40.3	71
7.4	184.62	259	3.33	9539	1 8 0		
5.2	265.95	369	2.32	9465	2 6 5		
4.6	299.67	413	2.06	9440	2 8 0		
4.2	328.87	384	3.04	9485	3 1 5		
3.8	357.32	416	2.88	9465	3 6 0		
3.5	395.39	541	1.56	9363	4 0 0		
3.0	449.50	613	1.38	9320	4 5 0		
2.7	514.75	585	2.14	9380	5 0 0		
2.4	580.00	654	1.91	9330	5 6 0		
2.0	677.15	927	0.93	9145	C 0 6 4 0 8 3 0 _ MJ - _ _ .2 5 4 A _	50.3	71
1.9	736.19	1006	0.86	9145	7 1 0		
6.1	226.39	310	3.93	29162	C 0 7 3 0 2 2 5 _ M - _ _ .2 5 4 A _	90.3	71
5.5	249.94	351	3.70	29152	2 8 5		
5.0	273.66	395	3.39	29143	2 8 0		
4.3	319.95	431	2.94	28013	3 1 5		
4.0	341.81	459	2.76	26909	3 6 0		
3.7	373.83	533	2.51	26449	4 0 0		
3.3	419.25	596	2.24	29117	4 5 0		
2.7	499.86	665	1.91	29096	5 0 0		
2.5	547.35	725	1.75	29098	5 6 0		
1.8	747.66	974	1.29	29048	8 0 0		
1.6	838.50	1089	1.18	29018	9 0 0		
1.7	791.70	1119	1.20	26824	C 0 7 4 0 8 0 0 _ M _ - _ _ .2 5 4 A _	94.3	71
1.6	860.72	1215	1.10	26824	9 0 0		
1.4	1009.20	1419	0.94	26824	1 0 C		
1.2	1097.19	1540	0.87	26824	1 1 C		
2.8	484.35	694	3.62	41712	C 0 8 4 0 5 0 0 _ M _ - _ _ .2 5 4 A _	152.3	71
2.4	563.34	807	3.11	41712	5 8 0		
2.2	617.55	882	2.85	41712	6 3 0		
2.0	684.72	970	2.88	41658	7 1 0		
1.7	796.39	1127	2.48	41656	8 0 0		
1.6	873.02	1232	2.27	41658	9 0 0		
1.3	1015.39	1431	1.95	41658	1 0 C		
1.2	1125.50	1589	1.76	41656	1 1 C		
1.1	1201.68	1695	1.65	41656	1 2 C		
.95	1435.01	2015	1.39	41656	1 4 C		
.89	1532.14	2150	1.30	41658	1 6 C		
.78	1758.40	2466	1.13	41658	1 8 C		
.71	1925.42	2696	1.04	41658	2 0 C		
.61	2241.96	3126	0.89	41658	2 2 C		
.56	2454.91	3417	0.82	41656	2 5 C		
1.6	882.52	1270	3.90	53383	C 0 9 4 0 9 0 0 _ M _ - _ _ .2 5 4 A _	225.3	71
1.4	967.44	1388	3.57	53383	1 0 C		
1.2	1125.21	1613	3.07	53383	1 1 C		
1.1	1214.05	1728	2.92	53338	1 2 C		
1.0	1331.65	1910	2.59	53383	1 4 C		
.86	1590.21	2273	2.18	53383	1 6 C		
.75	1831.90	2599	1.94	53338	1 8 C		
.70	1948.58	2781	1.78	53383	2 0 C		
.63	2187.59	3093	1.63	53338	2 2 C		
.55	2484.44	3530	1.40	53383	2 5 C		
.47	2935.20	4140	1.22	53338	2 8 C		
.40	3417.75	4805	1.05	53338	3 2 C		
.37	3742.36	5253	0.96	53338	3 6 C		
.33	4113.96	5758	0.88	53338	4 0 C		
.30	4504.71	6295	0.80	53338	4 5 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
98	8.59	20	4.44	2854	C 0 3 2 0 8 . 0 _ M _ - _ _ . 2 5 6 A _	17.3	71
73	11.61	26	3.63	2852	1 1 .		
64	13.20	30	3.28	2851	1 2 .		
57	14.95	33	3.01	2850	1 4 .		
52	16.36	32	2.92	2850	1 6 .		
44	19.13	43	2.51	2839	1 8 .		
41	20.61	46	2.38	2838	2 0 .		
38	22.11	43	2.38	2839	2 2 .		
34	25.14	49	2.18	2837	2 5 .		
30	28.48	56	2.00	2835	2 8 .		
25	33.71	74	1.68	2829	3 2 .		
23	36.43	69	1.68	2831	3 6 .		
22	39.28	75	1.60	2829	4 0 .		
19	45.50	99	1.39	2812	4 5 .		
16	53.31	115	1.26	2799	5 0 .		
15	56.19	105	1.25	2812	5 6 .		
13	64.21	118	1.14	2799	6 3 .		
11	74.55	159	0.94	2778	7 1 .		
10	82.83	175	0.85	2773	8 0 .		
10	86.67	156	0.95	2788	9 0 .		
8.3	101.54	181	0.82	2770	1 0 0		
41	20.61	47	3.98	5285	C 0 4 2 0 2 0 . _ M _ - _ _ . 2 5 6 A _	20.3	71
38	22.11	44	3.60	5285	2 2 .		
34	25.14	50	3.47	5285	2 5 .		
30	28.48	56	3.19	5284	2 8 .		
25	33.71	75	2.77	5281	3 2 .		
23	36.43	71	2.69	5283	3 6 .		
22	39.28	76	2.56	5282	4 0 .		
19	45.50	100	2.06	5279	4 5 .		
16	53.31	117	1.76	5277	5 0 .		
15	56.19	105	2.00	5279	5 6 .		
13	64.21	120	1.82	5275	6 3 .		
11	74.55	160	1.26	5271	7 1 .		
10	82.83	177	1.06	5285	8 0 .		
10	86.67	160	1.54	5269	9 0 .		
8.3	101.54	185	1.37	5284	1 0 0		
6.0	142.00	253	1.09	5253	1 4 0		
5.4	157.78	279	0.99	5243	1 6 0		
8.0	105.36	222	0.90	5259	C 0 4 3 0 1 0 0 _ M _ - _ _ . 2 5 6 A _	23.3	71
12	73.37	162	2.46	7432	C 0 5 2 0 7 1 . _ M _ - _ _ . 2 5 6 A _	23.3	71
10	82.67	182	2.16	7430	8 0 .		
9.3	90.67	173	2.78	7430	9 0 .		
8.6	98.57	187	2.58	7429	1 0 0		
7.7	109.07	237	1.50	7427	1 1 2		
6.8	124.00	269	1.14	7427	1 2 5		
6.0	142.00	262	1.83	7427	1 4 0		
5.3	160.00	293	1.64	7421	1 6 0		
4.0	211.11	382	1.26	5904	2 1 2		
3.5	240.00	430	1.12	7414	2 5 0		
8.1	103.90	225	1.75	6567	C 0 5 3 0 1 0 0 _ M _ - _ _ . 2 5 6 A _	27.3	71
7.1	118.73	256	1.54	6453	1 1 8		
5.3	160.26	341	1.14	5904	1 6 0		
4.5	187.76	399	0.97	7412	1 8 0		
4.2	201.10	362	1.33	7418	2 0 0		
3.7	229.81	411	1.17	7412	2 2 5		
2.7	310.18	545	0.88	7403	3 1 5		
11	73.92	172	3.84	11843	C 0 6 2 0 7 1 . _ M C - _ _ . 2 5 6 A _	36.3	71
10	80.94	189	3.50	11834	8 0 .		
9.2	91.58	184	3.59	11934	9 0 .		
8.6	97.76	197	3.36	11834	1 0 0		
7.8	110.57	255	2.60	11807	1 1 2		
6.8	124.00	284	1.84	11796	1 2 5		
5.9	143.08	280	2.36	11817	1 4 0		
5.4	156.67	305	2.17	11796	1 6 0		
3.9	214.00	408	1.62	11755	2 1 2		
3.5	240.00	453	1.46	11734	2 5 0		
5.0	169.81	384	1.73	11755	C 0 6 3 0 1 6 0 _ M C - _ _ . 2 5 6 A _	41.3	71
4.6	184.62	416	1.59	11734	1 8 0		
3.2	265.95	592	1.12	11588	2 6 5		
2.8	299.87	663	1.00	11540	2 8 0		
2.6	328.67	605	1.09	11592	3 1 5		
2.4	357.32	658	1.01	11592	3 6 0		

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
7.6	110.57	255	2.83	9554	C 0 6 2 0 1 1 2 _ MJ - _ _ . 2 5 6 A _	36 3	71
6.8	124.00	284	1.84	9535	1 2 5		
5.9	143.08	281	3.02	9555	1 4 0		
5.4	156.67	305	2.78	9539	1 6 0		
3.9	214.00	408	2.08	9476	2 1 2		
3.5	240.00	454	1.84	9452	2 5 0		
5.0	169.81	384	2.23	9476	C 0 6 3 0 1 6 0 _ MJ - _ _ . 2 5 6 A _	41 3	71
4.6	184.82	417	2.05	9458	1 8 0		
3.2	265.95	592	1.43	9357	2 6 5		
2.8	299.67	664	1.27	9317	2 8 0		
2.6	328.67	610	2.05	9378	3 1 5		
2.4	357.32	659	1.89	9353	3 6 0		
2.1	395.39	868	0.96	9205	4 0 0		
1.9	449.50	985	0.85	9140	4 5 0		
1.8	514.75	929	1.34	9210	5 0 0		
1.5	580.00	1041	1.20	9150	5 6 0		
5.3	159.98	376	3.56	29152	C 0 7 3 0 1 6 0 _ M _ - _ _ . 2 5 6 A _	91 3	71
4.9	170.81	401	3.33	29152	1 8 0		
4.3	194.85	430	2.95	29143	2 0 0		
3.7	226.39	495	2.56	29158	2 2 5		
3.4	249.94	561	2.31	29138	2 5 5		
3.1	273.68	634	2.11	29117	2 8 0		
2.6	319.95	693	1.83	29117	3 1 5		
2.5	341.81	739	1.72	29098	3 6 0		
2.3	373.83	859	1.56	29079	4 0 0		
2.0	418.25	958	1.40	29079	4 5 0		
1.7	499.88	1061	1.19	29048	5 0 0		
1.5	547.35	1158	1.09	29018	5 6 0		
1.1	747.66	1569	0.80	28940	8 0 0		
2.4	346.04	787	3.22	41712	C 0 8 4 0 3 6 0 _ M _ - _ _ . 2 5 6 A _	153.3	71
2.1	402.47	890	2.77	41712	4 0 0		
1.9	441.20	971	2.54	41712	4 5 0		
1.7	484.35	1121	2.24	41712	5 0 0		
1.5	563.34	1302	1.93	41712	5 6 0		
1.4	617.55	1421	1.77	41712	6 3 0		
1.2	684.72	1585	1.79	41656	7 1 0		
1.1	796.39	1818	1.54	41656	8 0 0		
.97	873.02	1985	1.41	41656	9 0 0		
.83	1015.39	2305	1.21	41656	1 0 C		
.75	1125.50	2561	1.09	41656	1 1 C		
.70	1201.68	2731	1.02	41656	1 2 C		
.59	1435.01	3244	0.86	41656	1 4 C		
.55	1532.14	3460	0.81	41656	1 6 C		
1.1	758.78	1766	2.80	53383	C 0 9 4 0 8 0 0 _ M _ - _ _ . 2 5 6 A _	228.3	71
.96	882.52	2052	2.41	53383	9 0 0		
.87	967.44	2242	2.21	53383	1 0 C		
.75	1125.21	2604	1.90	53383	1 1 C		
.70	1214.05	2790	1.81	53338	1 2 C		
.63	1331.65	3064	1.61	53383	1 4 C		
.53	1590.21	3687	1.35	53383	1 6 C		
.48	1831.90	4195	1.20	53338	1 8 C		
.43	1948.58	4487	1.10	53383	2 0 C		
.39	2187.59	4987	1.01	53338	2 2 C		
.34	2484.44	5687	0.87	53383	2 5 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
161	8.59	16	4.42	2652	C 0 3 2 0 8 . 0 _ M _ - _ _ . 3 7 4 A _	17.0	71
119	11.61	24	3.58	2650	1 1 .		
105	13.20	27	3.27	2649	1 2 .		
92	14.95	31	2.98	2649	1 4 .		
84	16.36	30	2.86	2647	1 6 .		
72	19.13	39	2.50	2644	1 8 .		
67	20.61	42	2.37	2644	2 0 .		
62	22.11	40	2.34	2644	2 2 .		
55	25.14	45	2.14	2640	2 5 .		
48	28.48	51	1.97	2640	2 8 .		
41	33.71	68	1.66	2626	3 2 .		
38	36.43	64	1.66	2626	3 6 .		
35	39.26	69	1.58	2626	4 0 .		
30	45.50	91	1.33	2615	4 5 .		
26	53.31	106	1.19	2605	5 0 .		
25	56.19	97	1.23	2615	5 6 .		
21	64.21	110	1.12	2799	6 3 .		
19	74.55	145	0.98	2780	7 1 .		
17	82.83	161	0.91	2780	8 0 .		
16	86.67	146	0.95	2780	9 0 .		
87	20.61	43	3.96	5286	C 0 4 2 0 2 0 . _ M _ - _ _ . 3 7 4 A _	20.0	71
82	22.11	41	3.73	5286	2 2 .		
55	25.14	47	3.42	5284	2 5 .		
48	28.48	52	3.16	5284	2 8 .		
41	33.71	69	2.78	5280	3 2 .		
38	36.43	66	2.65	5282	3 6 .		
35	39.26	71	2.52	5282	4 0 .		
30	45.50	92	2.23	5282	4 5 .		
26	53.31	107	1.94	5274	5 0 .		
25	56.19	99	1.97	5278	5 6 .		
21	64.21	112	1.80	5274	6 3 .		
19	74.55	147	1.39	5266	7 1 .		
17	82.83	163	1.17	5268	8 0 .		
16	86.67	149	1.52	5280	9 0 .		
14	101.54	172	1.36	5270	1 0 0		
10	142.00	235	1.07	5250	1 4 0		
8.7	157.78	259	0.99	5240	1 6 0		
13	105.36	203	1.00	5255	C 0 4 3 0 1 0 0 _ M _ - _ _ . 3 7 4 A _	23.0	71
11	120.39	232	0.87	5249	1 1 8		
6.9	200.68	321	0.66	5230	2 0 0		
19	73.37	148	2.73	7434	C 0 5 2 0 7 1 . _ M _ - _ _ . 3 7 4 A _	23.0	71
17	82.67	167	2.38	7432	8 0 .		
15	90.67	161	2.98	7432	9 0 .		
14	98.57	173	2.78	7429	1 0 0		
13	109.07	218	1.59	7432	1 1 2		
11	124.00	246	1.22	7434	1 2 5		
10	142.00	243	1.98	7434	1 4 0		
8.6	160.00	272	1.77	7424	1 6 0		
6.5	211.11	354	1.36	7412	2 1 2		
5.8	240.00	398	1.21	7430	2 5 0		
13	103.90	207	1.94	7427	C 0 5 3 0 1 0 0 _ M _ - _ _ . 3 7 4 A _	27.0	71
12	118.73	235	1.70	7422	1 1 8		
8.8	160.26	314	1.26	7416	1 8 0		
7.3	187.76	365	1.08	7416	1 8 0		
6.9	201.10	334	1.44	7422	2 0 0		
6.0	229.81	360	1.27	7416	2 2 5		
4.4	310.16	503	0.96	7410	3 1 5		
3.8	363.40	585	0.82	7390	3 6 0		
17	80.94	174	3.81	11909	C 0 6 2 0 8 0 . _ M C - _ _ . 3 7 4 A _	36.0	71
15	91.58	172	3.83	11909	9 0 .		
14	97.78	182	3.63	11909	1 0 0		
12	110.57	234	2.83	11797	1 1 2		
11	124.00	260	2.03	11780	1 2 5		
10	143.08	261	2.54	11780	1 4 0		
8.8	156.67	283	2.34	11780	1 6 0		
6.4	214.00	379	1.75	11741	2 1 2		
5.8	240.00	421	1.57	11701	2 5 0		
8.1	169.81	351	1.89	11741	C 0 6 3 0 1 8 0 _ M C - _ _ . 3 7 4 A _	41.0	71
7.5	184.62	381	1.74	11701	1 8 0		
5.2	265.95	541	1.22	11609	2 6 5		
4.6	299.67	607	1.09	11500	2 8 0		
4.2	328.67	561	1.18	11600	3 1 5		
3.9	357.32	606	1.09	11600	3 6 0		
3.5	395.39	795	0.83	11400	4 0 0		

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
17	80.94	173	3.86	9581	C 0 6 2 0 8 0 . _ MJ - _ _ . 3 7 4 A _	36.0	71
12	110.57	235	2.96	9545	1 1 2		
11	124.00	260	2.03	9530	1 2 5		
10	143.08	262	3.24	9540	1 4 0		
8.8	156.67	284	2.98	9536	1 8 0		
6.4	214.00	379	2.24	9487	2 1 2		
5.8	240.00	422	2.01	9461	2 5 0		
8.1	169.81	352	2.46	9487	C 0 6 3 0 1 6 0 _ MJ - _ _ . 3 7 4 A _	41.0	71
7.5	184.62	381	2.27	9485	1 8 0		
5.2	265.95	542	1.58	9359	2 5 5		
4.6	299.67	608	1.40	9320	2 8 0		
4.2	328.67	565	2.07	9360	3 1 5		
3.9	357.32	611	1.96	9360	3 5 0		
3.5	395.39	795	1.06	9210	4 0 0		
8.6	159.98	344	3.88	29139	C 0 7 3 0 1 6 0 _ M _ - _ _ . 3 7 4 A _	91.0	71
8.1	170.81	366	3.65	29145	1 8 0		
7.1	194.65	385	3.01	29145	2 0 0		
6.1	226.39	456	2.68	29127	2 2 5		
5.5	249.94	531	2.52	29109	2 8 5		
5.0	273.68	580	2.31	29091	2 8 0		
4.3	319.95	633	2.00	26917	3 1 5		
4.0	341.61	675	1.88	24796	3 8 0		
3.7	373.83	784	1.71	23910	4 0 0		
3.3	419.25	877	1.53	29041	4 5 0		
2.8	499.66	977	1.30	29001	5 0 0		
2.5	547.35	1066	1.19	29001	5 6 0		
1.8	747.66	1432	0.88	26809	8 0 0		
1.7	791.70	1644	0.81	26824	C 0 7 4 0 8 0 0 _ M _ - _ _ . 3 7 4 A _	95.0	71
4.0	346.04	700	3.52	41712	C 0 8 4 0 3 6 0 _ M _ - _ _ . 3 7 4 A _	153.0	71
3.4	402.47	813	3.04	41712	4 0 0		
3.1	441.20	888	2.78	41712	4 5 0		
2.8	484.35	1020	2.46	41712	5 0 0		
2.4	563.34	1186	2.12	41712	5 6 0		
2.2	617.55	1296	1.94	41712	6 3 0		
2.0	684.72	1426	1.96	41656	7 1 0		
1.7	786.39	1657	1.69	41656	8 0 0		
1.6	873.02	1810	1.54	41656	9 0 0		
1.4	1015.39	2103	1.33	41656	1 0 C		
1.2	1125.50	2334	1.20	41656	1 1 C		
1.1	1201.68	2490	1.12	41656	1 2 C		
.96	1435.01	2961	0.94	41656	1 4 C		
.90	1532.14	3159	0.88	41656	1 6 C		
1.8	758.78	1606	3.06	53383	C 0 9 4 0 8 0 0 _ M _ - _ _ . 3 7 4 A _	226.0	71
1.6	882.52	1866	2.65	53383	9 0 0		
1.4	967.44	2040	2.43	53383	1 0 C		
1.2	1125.21	2371	2.09	53383	1 1 C		
1.1	1214.05	2539	1.99	53338	1 2 C		
1.0	1331.85	2806	1.77	53383	1 4 C		
.87	1590.21	3340	1.48	53383	1 6 C		
.75	1831.90	3819	1.32	53338	1 8 C		
.71	1948.58	4087	1.21	53383	2 0 C		
.63	2187.59	4544	1.11	53338	2 2 C		
.58	2484.44	5187	0.96	53383	2 5 C		
.47	2935.20	6083	0.83	53338	2 8 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
108	8.59	27	3.28	2849	C 0 3 2 0 6 . 0 M - _ _ . 3 7 6 A _	20.8	90
80	11.61	35	2.66	2845	1 1 .		
70	13.20	40	2.43	2843	1 2 .		
62	14.95	45	2.22	2841	1 4 .		
57	16.36	44	2.16	2842	1 6 .		
48	19.13	58	1.85	2829	1 8 .		
45	20.61	62	1.75	2827	2 0 .		
42	22.11	58	1.76	2829	2 2 .		
37	25.14	66	1.61	2826	2 5 .		
32	28.46	75	1.48	2822	2 8 .		
27	33.71	100	1.24	2810	3 2 .		
25	36.43	99	1.24	2814	3 6 .		
24	39.26	101	1.18	2810	4 0 .		
20	45.50	134	1.03	2787	4 5 .		
17	53.31	155	0.93	2771	5 0 .		
16	56.19	142	0.92	2787	5 6 .		
14	64.21	160	0.84	2771	6 3 .		
62	14.95	46	3.70	5283	C 0 4 2 0 1 4 . _ M _ - _ _ . 3 7 6 A _	23.8	80
57	16.36	45	3.46	5283	1 6 .		
48	19.13	59	3.07	5282	1 8 .		
45	20.61	69	2.94	5280	2 0 .		
42	22.11	60	2.81	5280	2 2 .		
37	25.14	68	2.57	5280	2 5 .		
32	28.46	76	2.36	5279	2 8 .		
27	33.71	101	2.05	5273	3 2 .		
25	36.43	96	1.99	5277	3 6 .		
24	39.26	103	1.89	5274	4 0 .		
20	45.50	135	1.52	5270	4 5 .		
17	53.31	158	1.30	5286	5 0 .		
16	56.19	144	1.48	5270	5 6 .		
14	64.21	163	1.35	5282	6 3 .		
12	74.55	217	0.93	5255	7 1 .		
11	86.67	216	1.14	5250	9 0 .		
9.1	101.54	251	1.02	5240	1 0 0		
6.5	142.00	343	0.81	5220	1 4 0		
28	32.55	101	3.83	7440	C 0 5 2 0 3 2 . _ M _ - _ _ . 3 7 6 A _	28.8	80
20	46.64	142	2.66	7440	4 5 .		
18	50.93	155	2.60	7440	5 0 .		
17	55.45	148	3.23	7440	5 6 .		
15	63.00	166	2.89	7440	6 3 .		
13	73.37	219	1.82	7424	7 1 .		
11	82.67	246	1.60	7422	8 0 .		
10	90.67	233	2.06	7422	9 0 .		
9.4	98.57	252	1.91	7419	1 0 0		
8.5	109.07	321	1.11	7418	1 1 2		
7.5	124.00	363	0.84	7418	1 2 5		
6.5	142.00	355	1.36	7416	1 4 0		
5.8	160.00	397	1.21	7404	1 6 0		
4.4	211.11	517	0.93	4487	2 1 2		
3.9	240.00	582	0.83	7390	2 5 0		
8.9	103.90	304	1.30	5761	C 0 5 3 0 1 0 0 _ M _ - _ _ . 3 7 6 A _	30.8	80
7.8	118.73	347	1.14	5542	1 1 8		
5.8	160.26	462	0.84	4487	1 6 0		
4.6	201.10	489	0.98	7399	2 0 0		
4.0	229.81	555	0.87	7387	2 2 5		
14	84.80	181	3.65	11903	C 0 6 2 0 6 3 . _ MC - _ _ . 3 7 6 A _	39.8	80
13	73.92	293	2.84	11791	7 1 .		
11	80.94	255	2.59	11773	8 0 .		
10	91.58	249	2.66	11873	9 0 .		
9.5	97.78	266	2.49	11773	1 0 0		
8.4	110.57	344	1.92	11721	1 1 2		
7.5	124.00	384	1.36	11701	1 2 5		
6.5	143.08	379	1.75	11741	1 4 0		
5.9	156.67	413	1.60	11701	1 6 0		
4.3	214.00	552	1.20	11622	2 1 2		
3.9	240.00	613	1.08	11582	2 5 0		
8.9	103.86	322	2.05	11800	C 0 6 3 0 1 0 0 _ MC - _ _ . 3 7 6 A _	44.8	80
7.8	117.99	365	1.82	11700	1 1 8		
7.1	130.00	343	1.93	11800	1 3 2		
6.3	147.69	386	1.71	11700	1 5 0		
5.4	169.81	519	1.28	11622	1 6 0		
5.0	184.82	563	1.18	11582	1 8 0		
4.6	201.02	516	1.28	11600	2 0 0		
4.1	226.38	582	1.14	11600	2 2 5		
3.5	265.95	600	0.83	11393	2 6 5		
2.8	326.67	616	0.81	11400	3 1 5		

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
13	73.92	234	3.62	9545	C 0 6 2 0 7 1 . _ MJ - _ _ . 3 7 6 A _	39.8	80
11	80.94	256	2.97	9526	8 0 .		
10	91.58	251	3.39	9552	9 0 .		
9.5	97.78	267	3.18	9536	1 0 0		
8.4	110.57	345	2.09	9484	1 1 2		
7.5	124.00	384	1.36	9457	1 2 5		
6.5	143.08	380	2.23	9487	1 4 0		
5.9	156.67	413	2.05	9465	1 6 0		
4.3	214.00	552	1.54	9371	2 1 2		
3.9	240.00	614	1.36	9333	2 5 0		
8.9	103.86	324	2.68	9500	C 0 6 3 0 1 0 0 _ MJ - _ _ . 3 7 6 A _	44.8	80
7.8	117.99	365	2.37	9470	1 1 8		
7.1	130.00	342	2.92	9510	1 3 2		
6.3	147.69	387	2.68	9480	1 5 0		
5.4	169.81	519	1.85	9371	1 6 0		
5.0	184.62	563	1.52	9345	1 8 0		
4.6	201.02	518	2.20	9400	2 0 0		
4.1	228.38	587	2.03	9370	2 2 5		
3.5	265.95	801	1.06	9198	2 6 5		
3.1	299.67	897	0.94	9140	2 8 0		
2.8	328.67	824	1.52	9230	3 1 5		
2.6	357.32	892	1.40	9190	3 6 0		
9.3	99.79	310	3.67	29200	C 0 7 2 0 1 0 0 _ M _ - _ _ . 3 7 6 A _	84.8	80
8.9	104.32	337	3.28	29200	1 1 2		
8.0	115.92	373	2.76	29200	1 2 5		
6.7	138.00	422	2.84	29200	1 4 0		
6.1	151.13	459	2.66	29200	1 6 0		
4.4	208.65	624	2.03	29200	2 1 2		
4.0	231.83	690	1.84	29200	2 5 0		
8.2	113.20	364	3.67	29139	C 0 7 3 0 1 1 8 _ M _ - _ _ . 3 7 6 A _	93.8	80
5.8	159.98	509	2.63	29108	1 6 0		
5.4	170.81	543	2.47	29109	1 8 0		
4.8	194.65	562	2.18	29091	2 0 0		
4.1	226.39	669	1.90	29120	2 2 5		
3.7	249.94	785	1.71	29080	2 6 5		
3.4	273.68	857	1.56	29041	2 8 0		
2.9	319.95	937	1.35	29041	3 1 5		
2.7	341.61	999	1.27	29001	3 6 0		
2.5	373.83	1161	1.15	28967	4 0 0		
2.2	419.25	1296	1.03	28967	4 5 0		
1.9	499.88	1435	0.88	28909	5 0 0		
1.7	547.35	1565	0.80	28851	5 6 0		
3.9	235.77	708	3.70	41900	C 0 8 2 0 2 5 0 _ M _ - _ _ . 3 7 6 A _	139.8	80
2.7	346.04	1037	2.38	41712	C 0 8 4 0 3 6 0 _ M _ - _ _ . 3 7 6 A _	155.8	80
2.3	402.47	1203	2.05	41712	4 0 0		
2.1	441.20	1313	1.88	41712	4 5 0		
1.9	484.35	1515	1.66	41712	5 0 0		
1.6	563.34	1760	1.43	41712	5 6 0		
1.5	617.55	1921	1.31	41712	6 3 0		
1.4	684.72	2116	1.32	41656	7 1 0		
1.2	796.39	2469	1.14	41656	8 0 0		
1.1	873.02	2683	1.04	41656	9 0 0		
.91	1015.39	3117	0.90	41656	1 0 C		
.82	1125.50	3462	0.81	41656	1 1 C		
1.2	758.78	2368	2.07	53383	C 0 9 4 0 8 0 0 _ M _ - _ _ . 3 7 6 A _	226.8	80
1.0	882.52	2775	1.79	53383	9 0 0		
.96	967.44	3031	1.63	53383	1 0 C		
.82	1125.21	3521	1.41	53383	1 1 C		
.76	1214.05	3772	1.34	53338	1 2 C		
.69	1331.85	4170	1.19	53383	1 4 C		
.58	1590.21	4958	1.00	53383	1 6 C		
.50	1831.90	5672	0.89	53338	1 8 C		
.47	1948.58	6066	0.82	53383	2 0 C		
1.4	676.39	2154	3.68	87375	C 1 0 4 0 6 3 0 _ M _ - _ _ . 3 7 6 A _	357.8	80
1.2	777.24	2473	3.20	87375	7 1 0		
1.1	863.38	2733	2.90	87375	8 0 0		
1.0	895.55	2835	2.79	87375	9 0 0		
.93	994.80	3132	2.52	87375	1 0 C		
.81	1143.12	3595	2.20	87375	1 1 C		
.72	1282.76	4049	1.95	87375	1 2 C		
.64	1450.35	4571	1.73	87375	1 4 C		
.56	1637.38	5133	1.54	87375	1 6 C		
.50	1851.29	5794	1.38	87375	1 8 C		
.46	2005.61	6292	1.26	87375	2 0 C		
.42	2196.36	6879	1.15	87375	2 2 C		
.36	2560.05	7971	0.99	87375	2 5 C		
.33	2803.53	8712	0.91	87375	2 8 C		
.30	3128.07	9680	0.82	87375	3 2 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
159	8.59	27	2.95	2847	C 0 3 2 0 B . D M - _ _ . 5 5 4 A _	20.4	90
118	11.61	36	2.39	2844	1 1 .		
104	13.20	41	2.18	2841	1 2 .		
92	14.95	47	1.99	2841	1 4 .		
84	16.36	45	1.91	2838	1 6 .		
72	19.13	59	1.67	2833	1 8 .		
66	20.61	63	1.59	2833	2 0 .		
62	22.11	60	1.56	2833	2 2 .		
54	25.14	66	1.43	2825	2 5 .		
48	28.48	75	1.31	2825	2 8 .		
41	33.71	102	1.11	2809	3 2 .		
38	36.43	96	1.11	2809	3 6 .		
35	39.26	104	1.05	2809	4 0 .		
30	45.50	137	0.89	2790	4 5 .		
24	56.19	145	0.82	2790	5 6 .		
118	11.61	37	3.97	5285	C 0 4 2 0 1 1 . _ M _ - _ _ . 5 5 4 A _	23.4	90
104	13.20	42	3.62	5285	1 2 .		
92	14.95	47	3.33	5283	1 4 .		
84	16.36	47	3.06	5283	1 6 .		
72	19.13	60	2.78	5283	1 8 .		
66	20.61	64	2.65	5283	2 0 .		
62	22.11	62	2.49	5283	2 2 .		
54	25.14	70	2.28	5280	2 5 .		
48	28.48	79	2.11	5280	2 8 .		
41	33.71	103	1.86	5274	3 2 .		
38	36.43	99	1.77	5276	3 6 .		
35	39.26	106	1.68	5276	4 0 .		
30	45.50	138	1.49	5278	4 5 .		
26	53.31	160	1.30	5262	5 0 .		
24	56.19	148	1.32	5269	5 6 .		
21	64.21	168	1.20	5262	6 3 .		
18	74.55	221	0.93	5250	7 1 .		
42	32.55	102	3.32	7440	C 0 5 2 0 3 2 . _ M _ - _ _ . 5 5 4 A _	26.4	80
34	40.74	114	3.68	7440	4 0 .		
29	46.84	146	2.61	7440	4 5 .		
27	50.93	158	2.47	7440	5 0 .		
25	55.45	153	2.92	7440	5 6 .		
22	63.00	171	2.66	7440	6 3 .		
19	73.37	222	1.82	7431	7 1 .		
17	82.67	250	1.59	7426	8 0 .		
15	90.67	241	1.99	7426	9 0 .		
14	98.57	259	1.86	7422	1 0 0		
13	109.07	327	1.06	7426	1 1 2		
11	124.00	389	0.81	7430	1 2 5		
10	142.00	365	1.32	7430	1 4 0		
8.6	160.00	408	1.16	7412	1 6 0		
6.5	211.11	530	0.91	7392	2 1 2		
13	103.90	309	1.29	7418	C 0 5 3 0 1 0 0 _ M _ - _ _ . 5 5 4 A _	30.4	80
12	118.73	352	1.13	7409	1 1 8		
8.5	160.26	470	0.84	7399	1 6 0		
6.8	201.10	501	0.96	7410	2 0 0		
6.0	229.81	569	0.85	7400	2 2 5		
21	64.80	187	3.54	11896	C 0 6 2 0 6 3 . _ MC - _ _ . 5 5 4 A _	39.4	80
19	73.92	238	2.78	11844	7 1 .		
17	80.94	260	2.54	11844	8 0 .		
15	91.58	259	2.56	11844	9 0 .		
14	97.76	273	2.42	11844	1 0 0		
12	110.57	350	1.89	11724	1 1 2		
11	124.00	390	1.36	11695	1 2 5		
10	143.08	391	1.70	11695	1 4 0		
8.7	156.67	425	1.56	11695	1 6 0		
6.4	214.00	567	1.17	11626	2 1 2		
5.7	240.00	631	1.05	11558	2 5 0		
13	103.86	327	2.03	11800	C 0 6 3 0 1 0 0 _ MC - _ _ . 5 5 4 A _	44.4	80
12	117.99	371	1.79	11700	1 1 8		
11	130.00	354	1.87	11800	1 3 2		
9.3	147.69	397	1.67	11700	1 5 0		
8.1	169.61	526	1.26	11626	1 6 0		
7.4	184.62	570	1.16	11558	1 8 0		
6.8	201.02	530	1.25	11600	2 0 0		
6.0	228.38	597	1.11	11600	2 2 5		
5.2	265.95	810	0.82	11400	2 6 5		

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
19	73.92	239	3.30	9547	C 0 8 2 0 7 1 . _ MJ - _ _ . 5 5 4 A _	39.4	80
17	80.94	260	2.58	9531	8 0 .		
15	91.58	259	3.28	9547	9 0 .		
14	97.78	274	3.09	9541	1 0 0		
12	110.57	352	1.98	9477	1 1 2		
11	124.00	390	1.96	9459	1 2 5		
10	143.08	392	2.16	9469	1 4 0		
8.7	158.67	426	1.99	9482	1 6 0		
6.4	214.00	568	1.49	9384	2 1 2		
5.7	240.00	631	1.35	9346	2 5 0		
13	103.86	329	2.61	9500	C 0 6 3 0 1 0 0 _ MJ - _ _ . 5 5 4 A _	44.4	80
12	117.99	370	2.37	9470	1 1 8		
11	130.00	353	2.51	9510	1 3 2		
9.3	147.69	400	2.30	9480	1 5 0		
8.1	169.81	528	1.85	9384	1 8 0		
7.4	184.62	571	1.52	9353	1 8 0		
6.8	201.02	534	1.89	9400	2 0 0		
6.0	226.38	599	1.75	9360	2 2 5		
5.2	265.95	612	1.05	9200	2 6 5		
18	75.56	252	3.71	29200	C 0 7 2 0 8 0 . _ M _ - _ _ . 5 5 4 A _	84.4	80
16	88.26	281	3.66	29200	9 0 .		
14	99.79	315	3.33	29200	1 0 0		
13	104.32	342	2.83	29200	1 1 2		
12	115.92	380	2.54	29200	1 2 5		
10	136.00	431	2.59	29200	1 4 0		
9.1	151.13	470	2.42	29200	1 6 0		
6.6	208.65	635	1.89	29200	2 1 2		
5.9	231.83	703	1.74	29200	2 5 0		
12	113.20	369	3.62	29125	C 0 7 3 0 1 1 8 _ M _ - _ _ . 5 5 4 A _	93.4	80
8.6	159.98	516	2.59	29096	1 6 0		
8.0	170.81	549	2.44	29106	1 8 0		
7.0	194.65	592	2.01	29106	2 0 0		
6.1	226.39	682	1.79	29075	2 2 5		
5.5	249.94	795	1.66	29044	2 6 5		
5.0	273.68	869	1.54	29013	2 8 0		
4.3	319.95	949	1.34	25273	3 1 5		
4.0	341.61	1011	1.26	21625	3 6 0		
3.7	373.83	1174	1.14	20101	4 0 0		
3.3	419.25	1313	1.02	28926	4 5 0		
2.7	499.68	1463	0.87	28858	5 0 0		
6.7	204.75	633	3.90	41900	C 0 8 2 0 2 1 2 _ M _ - _ _ . 5 5 4 A _	139.4	80
5.8	235.77	725	3.49	41900	2 5 0		
4.0	348.04	1049	2.35	41712	C 0 8 4 0 3 8 0 _ M _ - _ _ . 5 5 4 A _	155.4	80
3.4	402.47	1217	2.03	41712	4 0 0		
3.1	441.20	1330	1.86	41712	4 5 0		
2.8	484.35	1528	1.64	41712	5 0 0		
2.4	563.34	1775	1.42	41712	5 6 0		
2.2	617.55	1940	1.30	41712	6 3 0		
2.0	684.72	2135	1.31	41656	7 1 0		
1.7	798.39	2481	1.13	41656	8 0 0		
1.6	873.02	2710	1.03	41656	9 0 0		
1.3	1015.39	3149	0.89	41656	1 0 C		
1.8	758.78	2405	2.06	53383	C 0 9 4 0 8 0 0 _ M _ - _ _ . 5 5 4 A _	226.4	80
1.6	882.52	2795	1.77	53383	9 0 0		
1.4	967.44	3055	1.62	53383	1 0 C		
1.2	1125.21	3550	1.40	53383	1 1 C		
1.1	1214.05	3801	1.33	53338	1 2 C		
1.0	1331.65	4203	1.18	53383	1 4 C		
.86	1590.21	5002	0.99	53383	1 6 C		
.75	1831.90	5716	0.86	53338	1 8 C		
.70	1948.58	6120	0.81	53383	2 0 C		
2.0	676.39	2169	3.65	87375	C 1 0 4 0 6 3 0 _ M _ - _ _ . 5 5 4 A _	357.4	80
1.8	777.24	2491	3.18	87375	7 1 0		
1.6	863.38	2754	2.88	87375	8 0 0		
1.5	895.55	2856	2.77	87375	9 0 0		
1.4	994.80	3157	2.50	87375	1 0 C		
1.2	1143.12	3625	2.18	87375	1 1 C		
1.1	1282.76	4080	1.94	87375	1 2 C		
.94	1450.35	4607	1.71	87375	1 4 C		
.84	1637.38	5178	1.53	87375	1 6 C		
.74	1851.29	5846	1.35	87375	1 8 C		
.68	2005.61	6346	1.24	87375	2 0 C		
.62	2198.36	6940	1.14	87375	2 2 C		
.54	2560.05	8050	0.98	87375	2 5 C		
.49	2803.53	8802	0.90	87375	2 8 C		
.44	3128.07	9789	0.81	87375	3 2 C		

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
108	8.59	40	2.21	2841	C 0 3 2 0 8 . 0 _ M - _ _ . 5 5 6 A _	22.3	80
80	11.61	53	1.80	2835	1 1 .		
70	13.20	60	1.63	2831	1 2 .		
62	14.95	68	1.50	2828	1 4 .		
57	16.36	66	1.45	2829	1 6 .		
48	19.13	86	1.25	2814	1 8 .		
45	20.61	92	1.18	2810	2 0 .		
42	22.11	87	1.19	2814	2 2 .		
37	25.14	98	1.08	2809	2 5 .		
32	28.48	111	1.00	2802	2 8 .		
27	33.71	149	0.83	2781	3 2 .		
25	36.43	139	0.84	2786	3 6 .		
108	8.59	40	3.66	5285	C 0 4 2 0 8 . 0 _ M _ - _ _ . 5 5 6 A _	25.3	80
80	11.61	54	2.98	5281	1 1 .		
70	13.20	61	2.72	5279	1 2 .		
62	14.95	69	2.49	5279	1 4 .		
57	16.36	67	2.33	5279	1 6 .		
48	19.13	88	2.07	5277	1 8 .		
45	20.61	94	1.98	5274	2 0 .		
42	22.11	89	1.89	5274	2 2 .		
37	25.14	101	1.73	5274	2 5 .		
32	28.48	114	1.59	5271	2 8 .		
27	33.71	151	1.38	5281	3 2 .		
25	36.43	143	1.34	5268	3 6 .		
24	39.26	153	1.27	5263	4 0 .		
20	45.50	201	1.02	5255	4 5 .		
17	53.31	235	0.88	5249	5 0 .		
16	56.19	214	0.99	5255	5 6 .		
14	64.21	242	0.91	5242	6 3 .		
50	16.53	87	3.71	7439	C 0 5 2 0 1 8 . _ M - _ _ . 5 5 6 A _	28.3	80
44	21.05	98	3.43	7438	2 0 .		
37	24.86	104	3.96	7438	2 5 .		
33	28.24	117	3.61	7437	2 8 .		
28	32.55	150	2.58	7435	3 2 .		
26	35.86	146	3.03	7435	3 6 .		
23	40.74	165	2.75	7434	4 0 .		
20	46.84	211	1.79	7432	4 5 .		
18	50.93	231	1.75	7430	5 0 .		
17	55.45	220	2.17	7432	5 6 .		
15	63.00	247	1.94	7430	6 3 .		
13	73.37	326	1.22	7413	7 1 .		
11	82.67	366	1.07	7409	8 0 .		
10	90.67	347	1.39	7409	9 0 .		
9.4	98.57	375	1.28	7404	1 0 0		
8.5	142.00	528	0.91	7400	1 4 0		
5.8	180.00	590	0.82	7378	1 8 0		
8.9	103.90	452	0.87	4552	C 0 5 3 0 1 0 0 _ M _ - _ _ . 5 5 6 A _	32.3	80
23	40.57	175	3.78	11858	C 0 6 2 0 4 0 . _ MC- _ _ . 5 5 6 A _	41.3	80
20	47.32	226	2.93	11865	4 5 .		
18	50.52	242	2.73	11855	5 0 .		
17	55.71	235	2.82	11855	5 6 .		
14	64.80	270	2.45	11834	6 3 .		
13	73.92	347	1.91	11713	7 1 .		
11	80.94	380	1.74	11681	8 0 .		
10	91.58	371	1.79	11781	9 0 .		
9.5	97.78	396	1.67	11681	1 0 0		
8.4	110 57	512	1.29	11592	1 1 2		
7.5	124.00	570	0.92	11568	1 2 5		
6.5	143 08	564	1.16	11626	1 4 0		
5.9	156.67	614	1.08	11568	1 6 0		
4.3	214.00	820	0.81	11422	2 1 2		
8.9	103.86	479	1.36	11876	C 0 6 3 0 1 0 0 _ MC- _ _ . 5 5 6 A _	46.3	80
7.8	117 99	542	1.22	11576	1 1 8		
5.4	169.81	772	0.86	11422	1 6 0		
4.6	201.02	767	0.86	11457	2 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
20	47.32	227	3.43	9552	C 0 6 2 0 4 5 . _ M J - _ _ . 5 5 6 A _	41.3	80
18	50.52	241	3.29	9544	5 0 .		
17	55.71	234	3.50	9556	5 6 .		
14	64.80	271	3.14	9538	6 3 .		
13	73.92	349	2.44	9477	7 1 .		
11	80.94	380	2.00	9452	8 0 .		
10	91.58	373	2.28	9481	9 0 .		
9.5	97.78	397	2.14	9462	1 0 0		
8.4	110.57	513	1.41	9379	1 1 2		
7.5	124.00	570	0.92	9340	1 2 5		
6.5	143.08	565	1.50	9384	1 4 0		
5.9	156.67	614	1.38	9353	1 6 0		
4.3	214.00	820	1.04	9214	2 1 2		
3.9	240.00	913	0.92	9156	2 5 0		
8.9	103.86	482	1.80	9403	C 0 6 3 0 1 0 0 _ M J - _ _ . 5 5 6 A _	46.3	80
7.8	117.99	543	1.60	9359	1 1 8		
7.1	130.00	509	1.96	9411	1 3 2		
6.3	147.89	576	1.80	9366	1 5 0		
5.4	169.81	772	1.11	9214	1 6 0		
5.0	184.62	838	1.02	9177	1 8 0		
4.6	201.02	771	1.48	9253	2 0 0		
4.1	228.38	873	1.36	9199	2 2 5		
19	49.90	247	3.87	29180	C 0 7 2 0 5 0 . _ M _ - _ _ . 5 5 6 A _	86.3	80
17	53.63	252	3.99	29179	5 6 .		
15	61.62	291	3.57	29179	6 3 .		
13	69.00	336	3.12	29172	7 1 .		
12	75.58	366	2.87	29165	8 0 .		
10	88.26	408	2.72	29168	9 0 .		
9.3	99.79	461	2.47	29168	1 0 0		
8.9	104.32	502	2.19	29168	1 1 2		
8.0	115.92	554	1.86	29152	1 2 5		
6.7	138.00	628	1.91	29150	1 4 0		
6.1	151.13	682	1.79	29150	1 6 0		
4.4	208.65	928	1.37	29105	2 1 2		
4.0	231.83	1026	1.24	29057	2 5 0		
10	97.33	469	2.86	29117	C 0 7 3 0 1 0 0 _ M _ - _ _ . 5 5 6 A _	95.3	80
8.2	113.20	542	2.47	29098	1 1 8		
5.8	159.98	757	1.77	29044	1 6 0		
5.4	170.81	807	1.66	29044	1 8 0		
4.8	194.65	856	1.47	29013	2 0 0		
4.1	226.39	995	1.26	29063	2 2 5		
3.7	249.94	1167	1.15	28995	2 6 5		
3.4	273.68	1274	1.05	28928	2 8 0		
2.9	319.85	1394	0.91	28928	3 1 5		
2.7	341.61	1485	0.85	28858	3 6 0		
6.6	139.29	640	3.87	41880	C 0 8 2 0 1 4 0 _ M _ - _ _ . 5 5 6 A _	141.3	80
6.0	153.00	701	3.59	41880	1 6 0		
4.5	204.75	926	2.64	41868	2 1 2		
3.9	235.77	1053	2.49	41868	2 5 0		
2.7	346.04	1542	1.80	41712	C 0 8 4 0 3 6 0 _ M _ - _ _ . 5 5 6 A _	157.3	80
2.3	402.47	1789	1.38	41712	4 0 0		
2.1	441.20	1952	1.26	41712	4 5 0		
1.9	484.35	2253	1.12	41712	5 0 0		
1.6	563.34	2616	0.96	41712	5 6 0		
1.5	617.55	2856	0.88	41712	6 3 0		
1.4	684.72	3146	0.89	41656	7 1 0		
1.2	758.76	3550	1.40	53383	C 0 9 4 0 6 0 0 _ M _ - _ _ . 5 5 6 A _	230.3	80
1.0	892.52	4125	1.20	53383	9 0 0		
.96	967.44	4506	1.10	53383	1 0 C		
.82	1125.21	5235	0 95	53383	1 1 C		
.76	1214.05	5608	0.90	53338	1 2 C		
2.0	474.32	2272	3.52	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ . 5 5 6 A _	359.3	80
1.7	545.04	2608	3.07	87375	5 6 0		
1.4	676.39	3202	2.47	87375	6 3 0		
1.2	777.24	3676	2.16	87375	7 1 0		
1.1	863.38	4063	1.95	87375	8 0 0		
1.0	895.55	4214	1.87	87375	9 0 0		
.93	994.80	4656	1.70	87375	1 0 C		
.81	1143.12	5344	1.48	87375	1 1 C		
.72	1282.76	6018	1.31	87375	1 2 C		
.64	1450.35	6795	1.16	87375	1 4 C		
.56	1637.38	7630	1.04	87375	1 6 C		
.50	1851.29	8613	0 92	87375	1 8 C		
.46	2005.61	9353	0.84	87375	2 0 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
161	8.59	36	2.19	2841	C 0 3 2 0 8 . 0 M - _ _ . 7 5 4 A _	21.5	90
119	11.61	49	1.77	2837	1 1 .		
105	13.20	56	1.62	2832	1 2 .		
93	14.95	63	1.48	2832	1 4 .		
85	16.36	61	1.41	2827	1 6 .		
72	19.13	80	1.24	2621	1 8 .		
67	20.61	85	1.16	2821	2 0 .		
63	22.11	81	1.16	2821	2 2 .		
55	25.14	92	1.06	2810	2 5 .		
49	28.46	103	0.97	2810	2 8 .		
41	33.71	137	0.82	2790	3 2 .		
38	36.43	130	0.82	2790	3 6 .		
161	8.59	37	3.62	5287	C 0 4 2 0 8 . 0 _ M _ - _ _ . 7 5 4 A _	24.5	80
119	11.61	50	2.94	5283	1 1 .		
105	13.20	57	2.69	5283	1 2 .		
93	14.95	64	2.47	5280	1 4 .		
85	16.36	63	2.27	5280	1 6 .		
72	19.13	81	2.05	5280	1 8 .		
67	20.61	87	1.96	5280	2 0 .		
63	22.11	84	1.85	5280	2 2 .		
55	25.14	95	1.69	5276	2 5 .		
49	28.46	106	1.57	5276	2 8 .		
41	33.71	139	1.38	5267	3 2 .		
38	36.43	134	1.31	5270	3 6 .		
35	39.26	143	1.25	5270	4 0 .		
30	45.50	166	1.10	5270	4 5 .		
26	53.31	217	0.96	5250	5 0 .		
25	56.19	200	0.98	5280	5 6 .		
22	64.21	226	0.89	5250	6 3 .		
75	18.53	80	3.49	7440	C 0 5 2 0 1 8 . _ M _ - _ _ . 7 5 4 A _	27.5	90
66	21.05	91	3.23	7439	2 0 .		
56	24.86	97	3.86	7439	2 5 .		
49	28.24	109	3.53	7438	2 8 .		
43	32.55	138	2.46	7437	3 2 .		
39	35.86	137	2.98	7437	3 6 .		
34	40.74	154	2.73	7437	4 0 .		
30	46.84	197	1.94	7437	4 5 .		
27	50.93	213	1.83	7435	5 0 .		
25	55.45	206	2.17	7435	5 6 .		
22	63.00	231	1.97	7433	6 3 .		
19	73.37	300	1.35	7427	7 1 .		
17	82.67	338	1.18	7420	8 0 .		
15	90.67	326	1.48	7420	9 0 .		
14	98.57	350	1.36	7414	1 0 0		
8.7	160.00	550	0.87	7400	1 6 0		
13	103.90	416	0.96	7407	C 0 5 3 0 1 0 0 _ M _ - _ _ . 7 5 4 A _	31.5	80
12	118.73	475	0.84	7395	1 1 8		
29	47.32	209	3.16	11868	C 0 6 2 0 4 5 . _ MC - _ _ . 7 5 4 A _	40.5	80
27	50.52	223	2.97	11848	5 0 .		
25	55.71	219	3.02	11878	5 6 .		
21	64.80	252	2.62	11848	6 3 .		
19	73.92	321	2.06	11771	7 1 .		
17	80.94	351	1.86	11771	8 0 .		
15	91.58	349	1.90	11771	9 0 .		
14	97.76	369	1.80	11771	1 0 0		
13	110.57	473	1.40	11642	1 1 2		
11	124.00	526	1.01	11600	1 2 5		
10	143.08	527	1.26	11800	1 4 0		
8.8	155.67	573	1.16	11600	1 6 0		
6.5	214.00	765	0.87	11500	2 1 2		
13	103.86	441	1.50	11690	C 0 6 3 0 1 0 0 _ MC - _ _ . 7 5 4 A _	45.5	80
12	117.99	500	1.32	11590	1 1 8		
11	130.00	477	1.39	11690	1 3 2		
9.4	147.69	536	1.24	11827	1 5 0		
8.2	169.81	710	0.93	11500	1 6 0		
7.5	184.62	770	0.86	11400	1 8 0		
6.9	201.02	715	0.93	11500	2 0 0		
6.1	228.36	805	0.82	11400	2 2 5		

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
29	47.32	209	3.31	9565	C 0 6 2 0 4 5 . _ MJ - _ _ . 7 5 4 A _	40.5	80
27	50.52	223	3.17	9557	5 0 .		
25	55.71	219	3.46	9570	5 6 .		
21	64.60	253	3.11	9551	6 3 .		
19	73.92	322	2.45	9495	7 1 .		
17	80.94	351	1.91	9476	8 0 .		
15	91.58	349	2.43	9495	9 0 .		
14	97.78	370	2.29	9468	1 0 0		
13	110.57	475	1.46	9402	1 1 2		
11	124.00	526	1.01	9380	1 2 5		
10	143.06	529	1.60	9390	1 4 0		
8.8	156.67	575	1.48	9380	1 8 0		
6.5	214.00	767	1.11	9270	2 1 2		
5.8	240.00	852	1.00	9220	2 5 0		
13	103.86	444	1.94	9427	C 0 6 3 0 1 0 0 _ MJ - _ _ . 7 5 4 A _	45.5	80
12	117.99	500	1.76	9390	1 1 8		
11	130.00	476	1.88	9433	1 3 2		
9.4	147.69	539	1.71	9400	1 5 0		
8.2	169.81	712	1.22	9270	1 6 0		
7.5	184.62	770	1.12	9230	1 8 0		
6.9	201.02	720	1.40	9290	2 0 0		
6.1	228.36	808	1.30	9250	2 2 5		
28	49.90	227	3.87	29187	C 0 7 2 0 5 0 . _ M _ - _ _ . 7 5 4 A _	85.5	80
22	61.62	268	3.62	29182	6 3 .		
20	69.00	311	2.98	29182	7 1 .		
18	75.56	340	2.75	29176	8 0 .		
16	88.26	379	2.71	29175	9 0 .		
14	98.78	424	2.47	29175	1 0 0		
13	104.32	462	2.10	29175	1 1 2		
12	115.92	513	1.88	29163	1 2 5		
10	138.00	582	1.92	29157	1 4 0		
9.2	151.13	634	1.80	29157	1 8 0		
6.6	208.65	856	1.40	29127	2 1 2		
6.0	231.83	948	1.29	29090	2 5 0		
14	97.33	431	3.11	29134	C 0 7 3 0 1 0 0 _ M _ - _ _ . 7 5 4 A _	94.5	80
12	113.20	498	2.69	29090	1 1 8		
8.7	159.98	696	1.92	29048	1 6 0		
8.1	170.81	740	1.81	29063	1 8 0		
7.1	194.65	798	1.49	29063	2 0 0		
6.1	226.39	921	1.32	29017	2 2 5		
5.5	249.94	1073	1.25	28971	2 6 5		
5.1	273.68	1172	1.14	28928	2 8 0		
4.3	319.95	1280	0.99	23447	3 1 5		
4.1	341.61	1364	0.93	18101	3 6 0		
3.7	373.83	1584	0.85	15869	4 0 0		
10	139.29	590	3.91	41682	C 0 8 2 0 1 4 0 _ M _ - _ _ . 7 5 4 A _	140.5	80
9.1	153.00	647	3.63	41683	1 6 0		
6.8	204.75	864	2.89	41667	2 1 2		
5.9	235.77	978	2.59	41675	2 5 0		
4.0	346.04	1415	1.74	41712	C 0 8 4 0 3 6 0 _ M _ - _ _ . 7 5 4 A _	156.5	80
3.4	402.47	1642	1.50	41712	4 0 0		
3.1	441.20	1794	1.38	41712	4 5 0		
2.9	484.35	2062	1.22	41712	5 0 0		
2.5	563.34	2395	1.05	41712	5 8 0		
2.2	617.55	2617	0.96	41712	6 3 0		
2.0	684.72	2880	0.97	41656	7 1 0		
1.7	796.39	3346	0.84	41658	8 0 0		
1.8	758.78	3244	1.53	53383	C 0 9 4 0 8 0 0 _ M _ - _ _ . 7 5 4 A _	229.5	80
1.6	882.52	3770	1.31	53383	9 0 0		
1.4	967.44	4121	1.20	53383	1 0 C		
1.2	1125.21	4788	1.03	53383	1 1 C		
1.1	1214.05	5128	0.96	53336	1 2 C		
1.0	1331.65	5669	0.87	53383	1 4 C		
2.9	474.32	2075	3.85	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ . 7 5 4 A _	358.5	80
2.5	545.04	2382	3.36	87375	5 8 0		
2.0	676.39	2926	2.71	87375	6 3 0		
1.8	777.24	3360	2.36	87375	7 1 0		
1.6	863.38	3715	2.13	87375	8 0 0		
1.5	895.55	3852	2.05	87375	9 0 0		
1.4	994.80	4259	1.85	87375	1 0 C		
1.2	1143.12	4890	1.62	87375	1 1 C		
1.1	1282.76	5504	1.44	87375	1 2 C		
.95	1450.35	6215	1.27	87375	1 4 C		
.85	1637.38	6984	1.13	87375	1 6 C		
.75	1851.29	7886	1.00	87375	1 8 C		
.69	2005.61	8561	0.92	87375	2 0 C		
.63	2196.36	9362	0.84	87375	2 2 C		

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
106	8.59	55	1.59	2832	C 0 3 2 0 8 . 0 M - _ _ . 7 5 B A	25.4	90S
76	11.61	74	1.30	2823	1 1 .		
69	13.20	84	1.18	2818	1 2 .		
61	14.95	94	1.08	2814	1 4 .		
56	16.36	91	1.05	2815	1 6 .		
48	19.13	120	0.90	2798	1 8 .		
44	20.61	128	0.85	2792	2 0 .		
41	22.11	121	0.86	2798	2 2 .		
106	8.59	56	2.64	5283	C 0 4 2 0 8 . 0 _ M _ - _ _ . 7 5 B A _	28.4	90S
76	11.61	75	2.15	5277	1 1 .		
69	13.20	85	1.96	5274	1 2 .		
61	14.95	96	1.79	5274	1 4 .		
56	16.36	93	1.68	5274	1 6 .		
48	19.13	122	1.49	5271	1 8 .		
44	20.61	130	1.43	5267	2 0 .		
41	22.11	124	1.36	5267	2 2 .		
36	25.14	140	1.25	5267	2 5 .		
32	28.48	158	1.15	5262	2 8 .		
27	33.71	210	0.99	5248	3 2 .		
25	36.43	199	0.96	5257	3 6 .		
23	39.26	213	0.92	5251	4 0 .		
78	11.66	77	3.56	7440	C 0 5 2 0 1 1 . _ M _ - _ _ . 7 5 B A _	32.4	90S
71	12.85	85	3.36	7440	1 2 .		
62	14.59	96	3.11	7440	1 4 .		
57	16.09	98	3.88	7440	1 6 .		
49	18.53	121	2.68	7437	1 8 .		
43	21.05	136	2.48	7435	2 0 .		
40	22.56	132	3.06	7437	2 2 .		
37	24.86	144	2.86	7435	2 5 .		
32	28.24	163	2.60	7433	2 8 .		
28	32.55	208	1.86	7429	3 2 .		
25	35.86	203	2.19	7429	3 6 .		
22	40.74	229	1.98	7427	4 0 .		
19	46.84	293	1.29	7423	4 5 .		
18	50.93	320	1.26	7419	5 0 .		
16	55.45	305	1.57	7423	5 6 .		
14	63.00	343	1.40	7419	6 3 .		
12	73.37	452	0.88	7401	7 1 .		
10	90.67	482	1.00	7395	9 0 .		
9.2	98.57	520	0.93	7388	1 0 0		
32	28.18	172	3.84	11937	C 0 6 2 0 2 8 . _ MC - _ _ . 7 5 B A _	44.4	90S
27	33.48	226	2.93	11818	3 2 .		
25	35.79	215	3.07	11826	3 6 .		
22	40.57	242	2.73	11813	4 0 .		
19	47.32	314	2.11	11803	4 5 .		
18	50.52	336	1.97	11787	5 0 .		
16	55.71	325	2.03	11787	5 6 .		
14	64.80	374	1.77	11757	6 3 .		
12	73.92	481	1.38	11628	7 1 .		
11	80.94	527	1.26	11580	8 0 .		
10	91.58	514	1.29	11680	9 0 .		
9.3	97.78	549	1.21	11580	1 0 0		
8.2	110.57	710	0.93	11450	1 1 2		
6.4	143.08	781	0.85	11500	1 4 0		
8.8	103.86	664	1.00	11539	C 0 6 3 0 1 0 0 _ MC - _ _ . 7 5 B A _	49.4	90S
7.7	117.99	752	0.88	11439	1 1 8		
7.0	130.00	706	0.94	11539	1 3 2		
6.2	147.69	797	0.83	11439	1 5 0		
27	33.48	226	3.13	9560	C 0 6 2 0 3 2 . _ MJ - _ _ . 7 5 B A _	44.4	90S
25	35.79	216	3.46	9568	3 6 .		
22	40.57	242	3.17	9560	4 0 .		
19	47.32	315	2.48	9502	4 5 .		
18	50.52	336	2.36	9490	5 0 .		
16	55.71	325	2.53	9508	5 6 .		
14	64.80	375	2.26	9481	6 3 .		
12	73.92	483	1.76	9402	7 1 .		
11	80.94	527	1.44	9368	8 0 .		
10	91.58	517	1.64	9403	9 0 .		
9.3	97.78	551	1.54	9379	1 0 0		
8.2	110.57	711	1.02	9263	1 1 2		
6.4	143.08	783	1.08	9270	1 4 0		
5.8	156.67	852	1.00	9230	1 6 0		
8.8	103.86	669	1.30	9296	C 0 6 3 0 1 0 0 _ MJ - _ _ . 7 5 B A _	49.4	90S
7.7	117.99	752	1.16	9235	1 1 8		
7.0	130.00	706	1.42	9301	1 3 2		
6.2	147.69	798	1.30	9240	1 5 0		
5.4	169.81	1070	0.80	9040	1 6 0		
4.5	201.02	1068	1.07	9090	2 0 0		
4.0	228.38	1210	0.98	9010	2 2 5		

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
21	44.13	304	3.11	29168	C 0 7 2 0 4 5 . _ M _ - _ _ . 7 5 6 A _	89.4	90S
18	49.90	342	2.79	29158	5 0 .		
17	53.63	350	2.88	29156	5 6 .		
15	61.82	403	2.58	29156	6 3 .		
13	69.00	486	2.25	29142	7 1 .		
12	75.56	511	2.07	29127	8 0 .		
10	88.26	586	1.96	29132	9 0 .		
9.1	99.79	639	1.78	29132	1 0 0		
8.7	104.32	695	1.58	29132	1 1 2		
7.9	115.92	768	1.34	29099	1 2 5		
6.8	138.00	871	1.38	29095	1 4 0		
6.0	151.13	946	1.29	29095	1 6 0		
4.4	208.65	1286	0.99	29000	2 1 2		
3.9	231.83	1423	0.89	28900	2 5 0		
9.4	97.33	650	2.06	29078	C 0 7 3 0 1 0 0 _ M _ - _ _ . 7 5 6 A _	98.4	90S
8.0	113.20	751	1.78	29048	1 1 8		
5.7	159.96	1049	1.28	28971	1 6 0		
5.3	170.81	1119	1.20	28971	1 8 0		
4.7	194.65	1200	1.06	28926	2 0 0		
4.0	226.39	1380	0.92	29000	2 2 5		
3.6	249.94	1618	0.83	28900	2 6 5		
9.2	98.53	638	3.67	41871	C 0 8 2 0 1 0 0 _ M _ - _ _ . 7 5 6 A _	144.4	90S
7.7	117.89	791	3.26	41879	1 2 5		
6.5	139.29	887	2.79	41858	1 4 0		
5.9	153.00	972	2.59	41858	1 6 0		
4.4	204.75	1284	2.05	41832	2 1 2		
3.9	235.77	1459	1.79	41832	2 5 0		
2.6	346.04	2138	1.15	41712	C 0 8 4 0 3 6 0 _ M _ - _ _ . 7 5 6 A _	160.4	90S
2.3	402.47	2480	1.00	41712	4 0 0		
2.1	441.20	2705	0.91	41712	4 5 0		
1.9	484.35	3123	0.80	41712	5 0 0		
3.6	249.73	1543	3.61	53800	C 0 9 2 0 2 5 0 _ M _ - _ _ . 7 5 6 A _	212.4	90S
1.2	758.78	4921	1.01	53383	C 0 9 4 0 8 0 0 M - . 7 5 6 A	233.4	90S
1.0	882.52	5717	0.87	53383	9 0 0		
1.9	474.32	3149	2.54	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ . 7 5 6 A _	362.4	90S
1.7	545.04	3815	2.21	87375	5 8 0		
1.3	676.39	4439	1.79	87375	6 3 0		
1.2	777.24	5096	1.56	87375	7 1 0		
1.1	863.38	5632	1.41	87375	8 0 0		
1.0	895.55	5841	1.35	87375	9 0 0		
.91	994.80	6453	1.22	87375	1 0 C		
.80	1143.12	7408	1.07	87375	1 1 C		
.71	1282.76	8342	0.95	87375	1 2 C		
.63	1450.35	9419	0.84	87375	1 4 C		

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
161	8.59	54	1.49	2831	C 0 3 2 0 8 . 0 M - _ _ 1 . 1 4 A _	24.8	90S
119	11.61	72	1.20	2824	1 1 .		
105	13.20	82	1.10	2817	1 2 .		
92	14.95	93	1.00	2817	1 4 .		
84	16.36	90	0.96	2810	1 6 .		
72	19.13	117	0.84	2800	1 8 .		
161	8.59	55	2.46	5286	C 0 4 2 0 8 . 0 M - _ _ 1 . 1 4 A _	27.8	90S
119	11.61	74	2.00	5279	1 1 .		
105	13.20	84	1.83	5280	1 2 .		
92	14.95	94	1.68	5275	1 4 .		
84	16.36	93	1.54	5275	1 6 .		
72	19.13	119	1.40	5275	1 8 .		
67	20.61	128	1.33	5275	2 0 .		
62	22.11	124	1.25	5275	2 2 .		
55	25.14	139	1.15	5268	2 5 .		
48	28.48	156	1.06	5268	2 8 .		
41	33.71	205	0.93	5254	3 2 .		
38	36.43	197	0.89	5260	3 6 .		
35	39.26	211	0.85	5260	4 0 .		
168	8.31	56	3.80	7440	C 0 5 2 0 8 . 0 _ M _ - _ _ 1 . 1 4 A _	31.8	90S
118	11.66	75	3.13	7440	1 1 .		
107	12.85	83	2.96	7440	1 2 .		
95	14.59	94	2.74	7438	1 4 .		
86	16.09	96	3.43	7440	1 6 .		
74	18.53	118	2.37	7440	1 8 .		
66	21.05	134	2.20	7437	2 0 .		
61	22.56	131	2.79	7437	2 2 .		
56	24.86	143	2.62	7437	2 5 .		
49	28.24	161	2.40	7435	2 8 .		
42	32.55	204	1.67	7433	3 2 .		
38	35.86	202	2.02	7433	3 6 .		
34	40.74	227	1.85	7433	4 0 .		
29	46.84	290	1.32	7434	4 5 .		
27	50.93	313	1.25	7428	5 0 .		
25	55.45	303	1.47	7428	5 6 .		
22	63.00	340	1.34	7422	6 3 .		
19	73.37	442	0.92	7420	7 1 .		
17	82.67	498	0.80	7410	8 0 .		
15	90.67	480	1.00	7410	9 0 .		
14	98.57	515	0.93	7400	1 0 0		
66	20.96	140	3.78	11944	C 0 6 2 0 2 0 . _ MC - _ _ 1 . 1 4 A _	43.8	90S
49	28.18	170	3.75	11936	2 8 .		
41	33.48	220	2.82	11820	3 2 .		
39	35.79	214	3.10	11836	3 6 .		
34	40.57	240	2.75	11832	4 0 .		
29	47.32	308	2.15	11795	4 5 .		
27	50.52	328	2.02	11764	5 0 .		
25	55.71	323	2.05	11811	5 6 .		
21	64.80	371	1.78	11764	6 3 .		
19	73.92	473	1.40	11644	7 1 .		
17	80.94	517	1.28	11644	8 0 .		
15	91.58	514	1.28	11644	9 0 .		
14	97.78	543	1.22	11644	1 0 0		
12	110.57	698	0.95	11500	1 1 2		
13	103.86	849	1.02	11500	C 0 6 3 0 1 0 0 _ MC - _ _ 1 . 1 4 A _	48.8	90S
12	117.99	736	0.90	11400	1 1 8		
11	130.00	703	0.94	11500	1 3 2		
9.3	147.69	789	0.84	11500	1 5 0		
66	20.96	140	3.78	9607	C 0 6 2 0 2 0 . _ MJ - _ _ 1 . 1 4 A _	43.8	90S
49	28.18	170	3.75	9602	2 8 .		
41	33.48	220	2.82	9563	3 2 .		
39	35.79	214	3.24	9572	3 6 .		
34	40.57	240	2.95	9562	4 0 .		
29	47.32	308	2.25	9506	4 5 .		
27	50.52	329	2.15	9495	5 0 .		
25	55.71	323	2.35	9514	5 6 .		
21	64.80	372	2.11	9486	6 3 .		
19	73.92	474	1.66	9404	7 1 .		
17	80.94	517	1.30	9380	8 0 .		
15	91.58	514	1.65	9404	9 0 .		
14	97.78	545	1.56	9390	1 0 0		
12	110.57	699	0.99	9270	1 1 2		
13	103.86	853	1.32	9300	C 0 6 3 0 1 0 0 _ MJ - _ _ 1 . 1 4 A _	48.8	90S
12	117.99	736	1.19	9250	1 1 8		
11	130.00	701	1.26	9300	1 3 2		
9.3	147.69	794	1.16	9260	1 5 0		

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	45	30.61	210	3.78	29049	C 0 7 2 0 3 2 . M - _ _ 1 . 1 4 A _	88.8	90S
	31	44.13	297	2.93	29166	4 5 .		
	28	49.90	334	2.63	29166	5 0 .		
	26	53.63	346	2.73	29168	5 6 .		
	22	61.62	394	2.46	29152	6 3 .		
	20	69.00	458	2.02	29152	7 1 .		
	18	75.58	500	1.87	29136	8 0 .		
	16	88.26	558	1.84	29133	9 0 .		
	14	99.79	625	1.68	29133	1 0 0		
	13	104.32	680	1.43	29133	1 1 2		
	12	115.92	755	1.28	29100	1 2 5		
	10	138.00	857	1.31	29084	1 4 0		
	9.1	151.13	934	1.22	29084	1 6 0		
	6.6	208.65	1260	0.95	29000	2 1 2		
	6.0	231.83	1396	0.87	28900	2 5 0		
	14	97.33	634	2.11	29097	C 0 7 3 0 1 0 0 _ M _ - _ _ 1 . 1 4 A _	97.8	90S
	12	113.20	734	1.83	29029	1 1 8		
	16	87.29	559	3.79	41877	C 0 8 2 0 9 0 . M - _ 1 . 1 4 A	143.8	90S
	14	98.53	627	3.44	41884	1 0 0		
	12	117.89	774	3.20	41868	1 2 5		
	10	139.29	869	2.66	41852	1 4 0		
	9.0	153.00	953	2.47	41855	1 6 0		
	6.7	204.75	1257	1.96	41810	2 1 2		
	5.9	235.77	1440	1.76	41833	2 5 0		
	4.0	346.04	2083	1.19	41712	C 0 8 4 0 3 6 0 _ M _ - _ _ 1 . 1 4 A _	159.8	90S
	3.4	402.47	2417	1.02	41712	4 0 0		
	3.1	441.20	2641	0.93	41712	4 5 0		
	2.8	484.35	3035	0.83	41712	5 0 0		
	5.5	249.73	1517	3.66	53800	C 0 9 2 0 2 5 0 _ M _ - _ _ 1 . 1 4 A _	211.8	90S
	1.8	758.78	4775	1.04	53383	C 0 9 4 0 8 0 0 _ M _ - _ _ 1 . 1 4 A _	232.8	90S
	1.6	882.52	5549	0.89	53383	9 0 0		
	1.4	967.44	6066	0.82	53383	1 0 C		
	2.9	474.32	3054	2.62	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ 1 . 1 4 A _	361.8	90S
	2.5	545.04	3507	2.28	87375	5 6 0		
	2.0	676.39	4308	1.84	87375	6 3 0		
	1.8	777.24	4946	1.60	87375	7 1 0		
	1.6	863.38	5469	1.45	87375	8 0 0		
	1.5	895.55	5670	1.39	87375	9 0 0		
	1.4	994.80	6269	1.26	87375	1 0 C		
	1.2	1143.12	7198	1.10	87375	1 1 C		
	1.1	1282.76	8101	0.98	87375	1 2 C		
	.95	1450.35	9148	0.86	87375	1 4 C		
6 POLE	107	8.59	80	1.10	2817	C 0 3 2 0 8 . 0 _ M _ - _ _ 1 . 1 6 A _	29.5	90L
	79	11.61	107	0.90	2803	1 1 .		
	70	13.20	122	0.81	2796	1 2 .		
	107	8.59	82	1.82	5280	C 0 4 2 0 8 . 0 _ M _ - _ _ 1 . 1 6 A _	32.5	90L
	79	11.61	110	1.48	5271	1 1 .		
	70	13.20	123	1.35	5266	1 2 .		
	62	14.95	139	1.24	5266	1 4 .		
	56	16.36	136	1.16	5266	1 6 .		
	48	19.13	178	1.03	5261	1 8 .		
	45	20.61	189	0.98	5254	2 0 .		
	42	22.11	180	0.94	5254	2 2 .		
	37	25.14	203	0.86	5254	2 5 .		
	111	8.31	81	3.01	7440	C 0 5 2 0 8 . 0 _ M _ - _ _ 1 . 1 6 A _	36.5	90L
	79	11.66	112	2.46	7440	1 1 .		
	72	12.85	123	2.32	7440	1 2 .		
	63	14.59	139	2.14	7440	1 4 .		
	57	16.09	140	2.67	7440	1 6 .		
	50	18.53	175	1.85	7436	1 8 .		
	44	21.05	197	1.71	7432	2 0 .		
	41	22.56	192	2.11	7436	2 2 .		
	37	24.86	210	1.97	7432	2 5 .		
	33	28.24	236	1.79	7428	2 8 .		
	28	32.55	302	1.28	7420	3 2 .		
	26	35.86	295	1.51	7420	3 6 .		
	23	40.74	332	1.37	7416	4 0 .		
	20	46.84	425	0.89	7407	4 5 .		
	18	50.93	464	0.87	7401	5 0 .		
	17	55.45	443	1.08	7407	5 6 .		
	15	63.00	498	0.97	7401	6 3 .		

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
71	12.97	130	3.96	11928	C 0 6 2 0 1 2 . MC- _ _ 1 . 1 6 A	48.5	90L
63	14.56	146	3.69	11914	1 4 .		
50	18.49	184	3.18	11900	1 8 .		
44	20.96	208	2.94	11886	2 0 .		
41	22.40	201	3.28	11900	2 2 .		
37	25.11	225	2.94	11886	2 5 .		
33	28.18	250	2.65	11879	2 8 .		
27	33.48	328	2.02	11739	3 2 .		
26	35.79	313	2.12	11759	3 6 .		
23	40.57	352	1.88	11733	4 0 .		
19	47.32	455	1.45	11693	4 5 .		
18	50.52	487	1.36	11670	5 0 .		
17	55.71	472	1.40	11670	5 6 .		
14	64.80	543	1.22	11623	6 3 .		
12	73.92	698	0.95	11473	7 1 .		
11	80.94	764	0.87	11402	8 0 .		
10	91.58	745	0.89	11502	9 0 .		
9.4	97.78	796	0.83	11402	1 0 0		
71	12.97	130	3.96	9617	C 0 6 2 0 1 2 . MJ- _ 1 . 1 6 A	48.5	90L
63	14.56	146	3.69	9601	1 4 .		
50	18.49	184	3.18	9577	1 8 .		
44	20.96	208	2.94	9566	2 0 .		
41	22.40	201	3.37	9574	2 2 .		
37	25.11	224	3.09	9563	2 5 .		
33	28.18	250	2.84	9555	2 8 .		
27	33.48	328	2.16	9497	3 2 .		
26	35.79	313	2.39	9511	3 6 .		
23	40.57	351	2.19	9496	4 0 .		
19	47.32	457	1.71	9415	4 5 .		
18	50.52	485	1.64	9396	5 0 .		
17	55.71	472	1.74	9424	5 6 .		
14	64.80	545	1.56	9382	6 3 .		
12	73.92	701	1.21	9270	7 1 .		
11	80.94	765	0.99	9225	8 0 .		
10	91.58	750	1.13	9286	9 0 .		
9.4	97.78	799	1.06	9235	1 0 0		
8.9	103.86	970	0.90	9110	C 0 6 3 0 1 0 0 _ MJ - _ _ 1 . 1 6 A _	53.5	90L
7.1	130.00	1024	0.98	9110	1 3 2		
6.2	147.69	1158	0.90	9020	1 5 0		
30	30.81	311	2.76	29157	C 0 7 2 0 3 2 . M - _ _ 1 . 1 6 A _	93.5	90L
21	44.13	441	2.14	29139	4 5 .		
18	49.90	497	1.93	29119	5 0 .		
17	53.83	508	1.99	29116	5 6 .		
15	61.62	585	1.78	29116	6 3 .		
13	69.00	677	1.55	29088	7 1 .		
12	75.56	741	1.43	29061	8 0 .		
10	86.26	821	1.35	29070	9 0 .		
9.2	99.79	928	1.23	29070	1 0 0		
8.6	104.32	1010	1.09	29070	1 1 2		
7.9	115.92	1115	0.92	29006	1 2 5		
6.7	138.00	1263	0.95	29000	1 4 0		
6.1	151.13	1372	0.89	29000	1 6 0		
9.5	97.33	943	1.42	29011	C 0 7 3 0 1 0 0 _ M _ - _ _ 1 . 1 6 A _	102.5	90L
8.1	113.20	1090	1.23	28964	1 1 8		
12	76.50	756	3.63	41843	C 0 8 2 0 8 0 . M - _ 1 . 1 6 A	148.5	90L
11	87.29	823	2.78	41859	9 0 .		
9.3	98.53	926	2.53	41844	1 0 0		
9.0	102.36	1005	3.02	41844	1 1 2		
7.8	117.89	1147	2.25	41860	1 2 5		
6.8	139.29	1288	1.93	41820	1 4 0		
6.0	153.00	1410	1.79	41820	1 6 0		
7.7	119.38	1178	3.95	53755	C 0 9 2 0 1 2 5 _ M _ - _ _ 1 . 1 6 A _	216.5	90L
5.7	161.44	1482	3.76	53741	1 6 0		
4.1	222.08	2007	2.78	53713	2 1 2		
3.7	249.73	2239	2.49	53703	2 5 0		
1.9	474.32	4569	1.75	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ 1 . 1 6 A _	366.5	90L
1.7	545.04	5244	1.52	87375	5 6 0		
1.4	676.39	6440	1.23	87375	6 3 0		
1.2	777.24	7393	1.07	87375	7 1 0		
1.1	863.38	8170	0.97	87375	8 0 0		
1.0	895.55	8474	0.93	87375	9 0 0		
.92	994.80	9362	0.84	87375	1 0 C		

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
162	8.59	73	1.10	2820	C 0 3 2 0 8 . 0 _ M _ - _ _ 1 . 5 4 A _	27.0	90L
120	11.61	96	0.89	2810	1 1 .		
105	13.20	111	0.81	2800	1 2 .		
162	8.59	75	1.61	5285	C 0 4 2 0 8 . 0 _ M _ - _ _ 1 . 5 4 A _	30.0	90L
120	11.61	100	1.48	5275	1 1 .		
105	13.20	114	1.35	5276	1 2 .		
93	14.95	128	1.24	5270	1 4 .		
85	16.36	125	1.14	5270	1 6 .		
73	19.13	162	1.04	5270	1 8 .		
67	20.61	173	0.98	5270	2 0 .		
63	22.11	188	0.93	5270	2 2 .		
55	25.14	189	0.85	5260	2 5 .		
167	8.31	74	2.81	7440	C 0 5 2 0 8 . 0 _ M _ - _ _ 1 . 5 4 A _	34.0	90L
119	11.66	102	2.31	7440	1 1 .		
108	12.85	113	2.19	7440	1 2 .		
95	14.59	127	2.03	7437	1 4 .		
86	16.09	130	2.54	7440	1 6 .		
75	18.53	161	1.75	7440	1 8 .		
66	21.05	181	1.62	7436	2 0 .		
62	22.56	176	2.06	7436	2 2 .		
56	24.86	194	1.94	7436	2 5 .		
49	28.24	219	1.77	7432	2 8 .		
43	32.55	276	1.23	7428	3 2 .		
39	35.86	274	1.50	7428	3 6 .		
34	40.74	307	1.37	7428	4 0 .		
30	46.84	353	0.97	7430	4 5 .		
27	50.93	424	0.92	7420	5 0 .		
25	55.45	411	1.09	7420	5 6 .		
22	63.00	461	0.99	7410	6 3 .		
107	12.97	119	3.74	11945	C 0 6 2 0 1 2 . _ MC - _ _ 1 . 5 4 A _	46.0	90L
95	14.56	133	3.49	11923	1 4 .		
87	15.93	134	3.85	11942	1 6 .		
75	18.49	168	3.02	11904	1 8 .		
66	20.96	190	2.79	11904	2 0 .		
62	22.40	186	3.16	11904	2 2 .		
55	25.11	207	2.96	11904	2 5 .		
49	28.18	231	2.77	11889	2 8 .		
42	33.48	299	2.08	11762	3 2 .		
39	35.79	289	2.29	11789	3 6 .		
34	40.57	326	2.03	11783	4 0 .		
29	47.32	418	1.58	11712	4 5 .		
28	50.52	445	1.49	11668	5 0 .		
25	55.71	437	1.51	11734	5 6 .		
21	64.60	503	1.32	11668	6 3 .		
19	73.92	640	1.04	11500	7 1 .		
17	80.94	700	0.95	11500	8 0 .		
15	91.58	696	0.95	11500	9 0 .		
14	97.76	735	0.90	11500	1 0 0		
107	12.97	119	3.74	9624	C 0 6 2 0 1 2 . _ MJ - _ _ 1 . 5 4 A _	46.0	90L
95	14.56	133	3.49	9608	1 4 .		
87	15.93	134	3.85	9622	1 6 .		
75	18.49	168	3.02	9586	1 8 .		
66	20.96	190	2.79	9577	2 0 .		
62	22.40	186	3.16	9584	2 2 .		
55	25.11	207	2.96	9577	2 5 .		
49	28.18	231	2.77	9567	2 8 .		
42	33.48	299	2.08	9514	3 2 .		
39	35.79	290	2.40	9530	3 6 .		
34	40.57	328	2.18	9513	4 0 .		
29	47.32	418	1.66	9440	4 5 .		
28	50.52	445	1.59	9424	5 0 .		
25	55.71	438	1.74	9451	5 6 .		
21	64.60	504	1.56	9411	6 3 .		
19	73.92	643	1.23	9300	7 1 .		
17	80.94	699	0.96	9270	8 0 .		
15	91.58	696	1.22	9300	9 0 .		
14	97.78	738	1.15	9280	1 0 0		
45	30.81	284	2.79	28940	C 0 7 2 0 3 2 . _ M _ - _ _ 1 . 5 4 A _	91.0	90L
31	44.13	402	2.17	29142	4 5 .		
28	49.90	453	1.94	29142	5 0 .		
26	53.63	468	2.02	29144	5 6 .		
23	61.62	534	1.81	29117	6 3 .		
20	69.00	620	1.50	29117	7 1 .		
18	75.56	678	1.38	29089	8 0 .		
16	88.26	756	1.36	29084	9 0 .		
14	99.79	846	1.24	29084	1 0 0		
13	104.32	920	1.05	29084	1 1 2		
12	115.92	1022	0.95	29027	1 2 5		
10	138.00	1160	0.97	29000	1 4 0		
9.2	151.13	1265	0.90	29000	1 6 0		

NOTE

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

1.5 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	14	97.33	859	1.56	29056	C 0 7 3 0 1 0 0 _ M _ - _ _ 1 . 5 4 A _	100.0	90L
	12	113.20	998	1.35	28960	1 1 8		
	9.7	159.98	1388	0.97	28868	1 6 0		
	8.1	170.81	1476	0.91	28900	1 8 0		
	20	69.64	630	3.95	41612	C 0 8 2 0 7 1 . _ M _ - _ _ 1 . 5 4 A _	146.0	90L
	18	76.50	691	3.70	41867	8 0 .		
	16	87.29	757	2.80	41861	9 0 .		
	14	98.53	849	2.54	41872	1 0 0		
	14	102.38	916	3.01	41872	1 1 2		
	12	117.89	1048	2.36	41844	1 2 5		
	10	139.29	1177	1.96	41817	1 4 0		
	9.1	153.00	1290	1.82	41822	1 6 0		
	6.6	204.75	1702	1.45	41744	2 1 2		
	5.9	235.77	1950	1.30	41784	2 5 0		
	4.0	346.04	2820	0.88	41712	C 0 8 4 0 3 6 0 _ M _ - _ _ 1 . 5 4 A _	162.0	90L
	6.3	222.08	1842	3.03	53736	C 0 9 2 0 2 1 2 _ M _ - _ _ 1 . 5 4 A _	214.0	90L
	5.6	249.73	2054	2.72	53727	2 5 0		
	2.9	474.32	4135	1.93	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ 1 . 5 4 A _	384.0	90L
	2.5	545.04	4748	1.68	87375	5 8 0		
	2.1	676.39	5832	1.36	87375	6 3 0		
	1.8	777.24	6696	1.18	87375	7 1 0		
	1.5	863.38	7405	1.07	87375	8 0 0		
	1.6	695.55	7677	1.03	87375	9 0 0		
	1.4	994.80	8488	0.93	87375	1 0 C		
	1.2	1143.12	9745	0.81	87375	1 1 C		
6 POLE	111	8.59	106	0.83	2800	C 0 3 2 0 8 . 0 _ M _ - _ _ 1 . 5 5 A _	33.2	100L
	111	8.59	108	1.38	5276	C 0 4 2 0 8 . 0 _ M _ - _ _ 1 . 5 5 A _	35.2	100L
	82	11.61	145	1.12	5283	1 1 .		
	72	13.20	163	1.02	5256	1 2 .		
	64	14.95	184	0.94	5256	1 4 .		
	58	16.36	180	0.88	5256	1 6 .		
	114	8.31	107	2.28	7440	C 0 5 2 0 8 . 0 _ M _ - _ _ 1 . 5 5 A _	40.2	100L
	81	11.66	148	1.86	7440	1 1 .		
	74	12.85	163	1.75	7440	1 2 .		
	65	14.59	184	1.62	7440	1 4 .		
	59	16.09	185	2.03	7440	1 6 .		
	51	18.53	232	1.40	7433	1 8 .		
	45	21.05	261	1.29	7427	2 0 .		
	42	22.56	253	1.60	7433	2 2 .		
	38	24.86	277	1.49	7427	2 5 .		
	34	28.24	312	1.36	7421	2 8 .		
	29	32.55	398	0.97	7409	3 2 .		
	26	35.86	398	1.14	7409	3 6 .		
	23	40.74	439	1 04	7402	4 0 .		
	17	55.45	586	0.82	7390	5 8 .		
	115	8.23	111	3.95	11933	C 0 6 2 0 8 . 0 _ MC - _ _ 1 . 5 5 A _	52.2	100L
	82	11.57	154	3.22	11911	1 1 .		
	73	12.97	172	3.00	11869	1 2 .		
	65	14.56	193	2.79	11867	1 4 .		
	60	15.93	193	3.13	11869	1 6 .		
	51	18.49	243	2.41	11845	1 8 .		
	45	20.96	275	2.22	11823	2 0 .		
	42	22.40	266	2.49	11845	2 2 .		
	38	25.11	297	2.23	11823	2 5 .		
	34	28.18	330	2.01	11813	2 8 .		
	28	33.48	433	1.53	11860	3 2 .		
	27	35.79	413	1.60	11682	3 6 .		
	23	40.57	485	1.42	11842	4 0 .		
	20	47.32	601	1.10	11568	4 5 .		
	19	50.52	644	1.03	11535	5 0 .		
	17	55.71	624	1.06	11535	5 6 .		
	15	64.80	717	0.92	11469	6 3 .		

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
115	8.23	111	3.95	9619	C 0 6 2 0 8 . 0 M J - _ _ 1 . 5 8 A _	52.2	100L
82	11.57	154	3.22	9597	1 1 .		
73	12.97	172	3.00	9588	1 2 .		
65	14.56	193	2.79	9569	1 4 .		
60	15.93	193	3.13	9584	1 6 .		
51	18.49	243	2.41	9537	1 8 .		
45	20.98	275	2.22	9520	2 0 .		
42	22.40	288	2.55	9533	2 2 .		
38	25.11	296	2.34	9515	2 5 .		
34	28.18	331	2.15	9503	2 8 .		
28	33.46	433	1.64	9424	3 2 .		
27	35.79	414	1.81	9445	3 6 .		
23	40.57	464	1.66	9423	4 0 .		
20	47.32	604	1.29	9315	4 5 .		
19	50.52	641	1.24	9288	5 0 .		
17	55.71	623	1.32	9328	5 6 .		
15	64.80	719	1.18	9266	6 3 .		
13	73.92	926	0.92	9120	7 1 .		
10	91.58	991	0.86	9110	9 0 .		
10	97.78	1056	0.80	9070	1 0 0		
60	15.80	208	3.82	29200	C 0 7 2 0 1 8 . _ M _ - _ _ 1 . 5 8 A _	97.2	100L
47	20.07	271	3.91	29200	2 0 .		
43	21.89	286	3.00	29200	2 2 .		
39	24.58	320	2.75	29200	2 5 .		
35	27.03	350	2.56	29200	2 8 .		
31	30.81	411	2.09	29133	3 2 .		
27	35.31	453	2.08	29200	3 6 .		
24	40.15	512	1.89	29200	4 0 .		
22	44.13	582	1.62	29106	4 5 .		
19	49.90	657	1.46	29075	5 0 .		
18	53.63	671	1.50	29071	5 6 .		
15	61.62	772	1.35	29071	6 3 .		
14	69.00	894	1.17	29028	7 1 .		
13	75.56	979	1.08	28985	8 0 .		
11	88.25	1085	1.02	29000	9 0 .		
10	99.79	1225	0.93	29000	1 0 0		
9.1	104.32	1333	0.82	29000	1 1 2		
10	97.33	1246	1.08	28934	C 0 7 3 0 1 0 0 _ M _ - _ _ 1 . 5 8 A _	106.2	100L
8.4	113.20	1440	0.93	28868	1 1 8		
24	39.51	511	3.89	41900	C 0 8 2 0 4 0 . _ M _ - _ _ 1 . 5 8 A _	152.2	100L
19	49.26	654	3.88	41596	5 0 .		
17	54.60	696	3.01	41900	5 6 .		
15	63.56	804	2.67	41900	6 3 .		
14	69.64	914	3.04	41811	7 1 .		
12	76.50	999	2.75	41811	8 0 .		
11	87.29	1088	2.10	41837	9 0 .		
10	98.53	1223	1.91	41814	1 0 0		
9.3	102.38	1327	2.29	41814	1 1 2		
8.1	117.89	1515	1.70	41838	1 2 5		
6.8	139.29	1700	1.46	41776	1 4 0		
6.2	153.00	1863	1.35	41776	1 6 0		
4.6	204.75	2480	1.07	41700	2 1 2		
4.0	235.77	2796	0.94	41700	2 5 0		
8.9	106.17	1394	3.31	53721	C 0 9 2 0 1 1 2 _ M _ - _ _ 1 . 5 8 A _	220.2	100L
8.0	119.38	1555	2.99	53705	1 2 5		
6.5	146.23	1780	3.13	53689	1 4 0		
5.9	161.44	1957	2.85	53673	1 6 0		
4.3	222.09	2651	2.10	53615	2 1 2		
3.8	249.73	2957	1.89	53592	2 5 0		
3.3	284.12	3581	1.39	53383	C 0 9 4 0 2 8 0 _ M _ - _ _ 1 . 5 8 A _	241.2	100L
3.1	305.07	3802	1.30	53383	3 1 5		
2.8	341.83	4261	1.16	53383	3 5 0		
2.4	386.96	4830	1.03	53383	4 0 0		
2.2	435.96	5412	0.92	53363	4 5 0		
1.9	487.42	6089	0.82	53383	5 0 0		
4.2	225.50	2776	3.18	87400	C 1 0 2 0 2 1 2 _ M _ - _ _ 1 . 5 8 A _	328.2	100L
3.9	242.27	2964	2.98	87400	2 5 0		
2.0	474.32	6034	1.33	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ 1 . 5 6 A _	370.2	100L
1.7	545.04	6926	1.15	87375	5 6 0		
1.4	676.39	8505	0.93	87375	6 3 0		
1.2	777.24	9764	0.81	87375	7 1 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
164	8.59	109	1.26	5282	C 0 4 2 0 8 . 0 _ M _ - _ _ 2 . 2 4 A _	36.0	100L
121	11.61	145	1.02	5258	1 1 .		
107	13.20	165	0.93	5270	1 2 .		
94	14.95	186	0.86	5260	1 4 .		
170	8.31	107	1.94	7440	C 0 5 2 0 8 . 0 _ M _ - _ _ 2 . 2 4 A _	40.0	100L
121	11.66	148	1.60	7440	1 1 .		
110	12.85	163	1.51	7440	1 2 .		
97	14.59	184	1.40	7435	1 4 .		
88	16.09	188	1.75	7440	1 6 .		
76	18.53	232	1.21	7440	1 8 .		
67	21.05	262	1.12	7433	2 0 .		
62	22.56	257	1.43	7433	2 2 .		
57	24.86	281	1.34	7433	2 5 .		
50	28.24	316	1.22	7426	2 8 .		
43	32.55	359	0.85	7420	3 2 .		
39	35.86	398	1.03	7420	3 6 .		
35	40.74	445	0.95	7420	4 0 .		
171	8.23	110	3.37	11928	C 0 6 2 0 8 . 0 _ M C - _ _ 2 . 2 4 A _	52.0	100L
122	11.57	154	2.77	11905	1 1 .		
109	12.97	172	2.59	11905	1 2 .		
97	14.56	193	2.41	11868	1 4 .		
89	15.93	193	2.67	11900	1 6 .		
76	18.49	243	2.09	11833	1 8 .		
67	20.96	274	1.93	11833	2 0 .		
63	22.40	269	2.19	11833	2 2 .		
56	25.11	300	2.05	11833	2 5 .		
50	28.16	334	1.91	11808	2 8 .		
42	33.48	432	1.44	11660	3 2 .		
39	35.79	418	1.58	11708	3 6 .		
35	40.57	471	1.41	11697	4 0 .		
30	47.32	604	1.10	11568	4 5 .		
28	50.52	643	1.03	11560	5 0 .		
25	55.71	632	1.05	11600	5 6 .		
22	64.80	728	0.91	11500	6 3 .		
171	8.23	110	3.37	9622	C 0 6 2 0 8 . 0 M J - 2 . 2 4 A	52.0	100L
122	11.57	154	2.77	9601	1 1 .		
109	12.97	172	2.59	9591	1 2 .		
97	14.56	193	2.41	9570	1 4 .		
89	15.93	193	2.67	9586	1 6 .		
76	18.49	243	2.09	9540	1 8 .		
67	20.96	274	1.93	9523	2 0 .		
63	22.40	269	2.19	9536	2 2 .		
56	25.11	300	2.05	9523	2 5 .		
50	28.16	334	1.91	9506	2 8 .		
42	33.48	432	1.44	9429	3 2 .		
39	35.79	419	1.66	9457	3 6 .		
35	40.57	471	1.51	9427	4 0 .		
30	47.32	604	1.15	9323	4 5 .		
28	50.52	644	1.10	9300	5 0 .		
25	55.71	633	1.20	9340	5 6 .		
22	64.80	729	1.08	9280	6 3 .		
89	15.80	207	3.44	27500	C 0 7 2 0 1 8 . _ M _ - _ _ 2 . 2 4 A _	97.0	100L
80	17.66	239	3.66	28200	1 8 .		
70	20.07	272	3.39	29200	2 0 .		
64	21.89	285	2.73	29200	2 2 .		
57	24.59	319	2.51	29200	2 5 .		
52	27.03	351	2.34	29200	2 8 .		
46	30.81	411	1.93	28748	3 2 .		
40	35.31	454	1.92	29200	3 6 .		
35	40.15	513	1.74	29200	4 0 .		
32	44.13	582	1.50	29100	4 5 .		
28	49.90	655	1.34	29100	5 0 .		
26	53.63	677	1.40	29104	5 6 .		
23	61.62	772	1.26	29058	6 3 .		
20	69.00	897	1.03	29056	7 1 .		
19	75.56	980	0.95	29008	8 0 .		
16	88.26	1094	0.94	29000	9 0 .		
14	99.79	1224	0.86	29000	1 0 0		
14	97.33	1242	1.08	28983	C 0 7 3 0 1 0 0 _ M _ - _ _ 2 . 2 4 A _	106.0	100L
12	113.20	1436	0.93	28838	1 1 8		

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 Basa Mount Unit	Motor Frame Size
4 POLE	40	35.20	459	3.92	40400	C 0 8 2 0 3 6 . _ M _ - _ _ 2 . 2 4 A _	152.0	100L
	36	39.51	512	3.59	41700	4 0 .		
	32	43.64	582	3.73	40836	4 5 .		
	29	49.26	653	3.44	40974	5 0 .		
	26	54.60	699	2.80	41900	5 6 .		
	22	63.56	806	2.49	41900	6 3 .		
	20	69.64	911	2.73	41401	7 1 .		
	18	76.50	1000	2.56	41496	8 0 .		
	16	87.29	1095	1.94	41833	9 0 .		
	14	98.53	1227	1.76	41852	1 0 0		
	14	102.38	1325	2.08	41852	1 1 2		
	12	117.69	1516	1.64	41804	1 2 5		
	10	139.29	1702	1.36	41758	1 4 0		
	9.2	153.00	1865	1.26	41765	1 6 0		
	6.9	204.75	2461	1.00	41630	2 1 2		
	6.0	235.77	2819	0.90	41700	2 5 0		
	14	103.53	1292	3.79	53722	C 0 9 2 0 1 0 0 _ M _ - _ _ 2 . 2 4 A _	220.0	100L
	13	106.17	1391	3.19	53731	1 1 2		
	12	119.38	1555	2.69	53714	1 2 5		
	10	146.23	1796	2.98	53896	1 4 0		
	8.7	161.44	1971	2.78	53679	1 6 0		
	6.3	222.08	2683	2.10	53625	2 1 2		
	5.6	249.73	2970	1.86	53600	2 5 0		
	5.0	284.12	3525	1.41	53383	C 0 9 4 0 2 8 0 _ M _ - _ _ 2 . 2 4 A _	241.0	100L
	4.5	305.07	3768	1.31	53383	3 1 5		
	4.1	341.93	4223	1.17	53383	3 6 0		
	3.6	388.96	4789	1.03	53383	4 0 0		
	3.2	435.96	5367	0.92	53383	4 5 0		
	2.9	487.42	6016	0.82	53383	5 0 0		
	8.5	166.73	2091	3.61	87400	C 1 0 2 0 1 6 0 _ M _ - _ _ 2 . 2 4 A _	326.0	100L
	6.3	225.50	2784	3.01	87400	2 1 2		
	5.6	242.27	2980	2.84	87400	2 5 0		
	3.0	474.32	5979	1.34	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ 2 . 2 4 A _	370.0	100L
	2.6	545.04	6865	1.16	87375	5 6 0		
	2.1	676.39	8433	0.94	87375	6 3 0		
	1.8	777.24	9682	0.82	87375	7 1 0		
6 POLE	110	8.59	180	0.94	5270	C 0 4 2 0 8 . 0 _ M _ - _ _ 2 . 2 6 A _	44.8	112M
	114	8.31	158	1.55	7440	C 0 5 2 0 8 . 0 _ M _ - _ _ 2 . 2 6 A _	48.8	112M
	81	11.66	219	1.26	7440	1 1 .		
	74	12.85	241	1.19	7440	1 2 .		
	65	14.59	272	1.10	7440	1 4 .		
	59	16.08	272	1.37	7440	1 6 .		
	51	18.53	342	0.95	7430	1 8 .		
	45	21.05	395	0.68	7420	2 0 .		
	42	22.56	374	1.08	7430	2 2 .		
	36	24.86	409	1.01	7420	2 5 .		
	33	28.24	461	0.92	7410	2 8 .		
	115	8.23	163	2.68	11892	C 0 8 2 0 8 . 0 _ M C - _ _ 2 . 2 6 A _	64.8	112M
	82	11.57	228	2.18	11857	1 1 .		
	73	12.97	254	2.04	11821	1 2 .		
	65	14.56	285	1.89	11785	1 4 .		
	59	15.93	284	2.12	11821	1 6 .		
	51	18.49	359	1.83	11750	1 8 .		
	45	20.96	405	1.51	11714	2 0 .		
	42	22.40	393	1.69	11750	2 2 .		
	38	25.11	438	1.51	11714	2 5 .		
	34	28.18	487	1.36	11697	2 8 .		
	28	33.48	638	1.04	11496	3 2 .		
	26	35.79	609	1.09	11547	3 6 .		
	23	40.57	685	0.97	11482	4 0 .		
	115	8.23	163	2.68	9587	C 0 8 2 0 8 . 0 M J - _ _ 2 . 2 6 A _	64.8	112M
	82	11.57	228	2.18	9552	1 1 .		
	73	12.97	254	2.04	9538	1 2 .		
	65	14.56	285	1.89	9513	1 4 .		
	59	15.93	284	2.12	9530	1 6 .		
	51	18.49	359	1.83	9488	1 8 .		
	45	20.96	405	1.51	9439	2 0 .		
	42	22.40	393	1.73	9460	2 2 .		
	38	25.11	437	1.59	9432	2 5 .		
	34	28.18	488	1.46	9413	2 8 .		
	28	33.48	638	1.11	9297	3 2 .		
	26	35.79	610	1.23	9332	3 6 .		
	23	40.57	684	1.12	9296	4 0 .		
	20	47.32	891	0.68	9140	4 5 .		
	19	50.52	948	0.64	9100	5 0 .		
	17	55.71	919	0.69	9160	5 6 .		
	15	64.80	1061	0.80	9070	6 3 .		

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
120	7.90	161	3.82	24856	C 0 7 2 0 8 . 0 M - _ 2 . 2 6 A _	111.8	112M
86	10.94	222	3.82	26975	1 1 .		
77	12.29	249	3.59	27838	1 2 .		
70	13.52	273	3.39	28591	1 4 .		
60	15.80	308	2.59	28978	1 6 .		
54	17.66	355	2.67	28908	1 8 .		
47	20.07	400	2.65	28966	2 0 .		
43	21.89	422	2.04	29165	2 2 .		
38	24.59	472	1.87	29165	2 5 .		
35	27.03	517	1.74	29165	2 8 .		
31	30.81	606	1.42	29092	3 2 .		
27	35.31	669	1.41	29144	3 6 .		
24	40.15	755	1.28	29116	4 0 .		
21	44.13	859	1.10	29048	4 5 .		
19	49.90	968	0.99	28998	5 0 .		
18	53.63	990	1.02	28891	5 6 .		
15	61.52	1139	0.91	28991	6 3 .		
39	24.47	477	3.61	40943	C 0 8 2 0 2 5 . _ M _ - _ _ 2 . 2 6 A _	159.8	112M
35	27.22	528	3.52	41491	2 8 .		
30	31.78	630	3.53	41421	3 2 .		
27	35.20	674	2.89	41713	3 6 .		
24	39.51	753	2.64	41818	4 0 .		
22	43.64	860	2.86	41284	4 5 .		
19	49.26	965	2.63	41412	5 0 .		
17	54.60	1026	2.04	41865	5 6 .		
15	63.56	1186	1.81	41847	6 3 .		
14	69.64	1347	2.06	41757	7 1 .		
12	76.50	1473	1.87	41757	8 0 .		
11	87.29	1604	1.43	41798	9 0 .		
10	98.53	1803	1.30	41780	1 0 0		
9.2	102.38	1957	1.55	41780	1 1 2		
8.0	117.89	2234	1.15	41800	1 2 5		
6.8	139.29	2507	0.99	41700	1 4 0		
6.2	153.00	2747	0.92	41700	1 6 0		
14	69.91	1372	3.24	53714	C 0 9 2 0 7 1 . _ M _ - _ _ 2 . 2 6 A _	227.8	112M
12	77.18	1510	2.97	53692	8 0 .		
10	93.18	1717	3.09	53671	9 0 .		
9.1	103.53	1893	2.87	53649	1 0 0		
8.9	106.17	2056	2.24	53647	1 1 2		
7.9	119.36	2294	2.03	53616	1 2 5		
6.5	146.23	2625	2.13	53586	1 4 0		
5.9	161.44	2886	1.93	53555	1 6 0		
4.3	222.08	3909	1.43	53443	2 1 2		
3.8	249.73	4360	1.28	53398	2 5 0		
3.3	284.12	5251	0.94	53383	C 0 9 4 0 2 8 0 M - _ 2 . 2 8 A	255.8	112M
3.1	305.07	5607	0.88	53383	3 1 5		
6.8	107.80	2102	3.86	87400	C 1 0 2 0 1 1 2 _ M _ - _ _ 2 . 2 6 A _	335.8	112M
6.2	115.82	2252	3.51	87400	1 2 5		
5.5	144.71	2682	3.11	87376	1 4 0		
5.7	166.73	3071	2.77	87365	1 6 0		
4.2	225.50	4094	2.16	87347	2 1 2		
3.9	242.27	4370	2.02	87347	2 5 0		
2.0	474.32	8696	0.90	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ 2 . 2 6 A _	384.8	112M

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
165	8.59	147	0.93	5280	C 0 4 2 0 8 . 0 _ M _ - _ _ 3 . 0 4 A _	39.8	112M
171	8.31	145	1.43	7440	C 0 5 2 0 8 . 0 _ M _ - _ _ 3 . 0 4 A _	43.8	112M
122	11.66	201	1.16	7440	1 1 .		
111	12.85	221	1.12	7440	1 2 .		
97	14.59	250	1.03	7432	1 4 .		
88	16.09	254	1.30	7440	1 6 .		
77	18.53	315	0.89	7440	1 8 .		
67	21.05	355	0.83	7430	2 0 .		
63	22.56	349	1.05	7430	2 2 .		
57	24.86	381	0.99	7430	2 5 .		
50	28.24	429	0.90	7420	2 8 .		
173	8.23	149	2.49	11894	C 0 6 2 0 8 . 0 _ M C - _ _ 3 . 0 4 A _	55.8	112M
123	11.57	208	2.04	11858	1 1 .		
109	12.97	233	1.91	11858	1 2 .		
98	14.56	261	1.76	11802	1 4 .		
89	15.93	282	1.97	11851	1 6 .		
77	18.49	329	1.54	11752	1 8 .		
68	20.96	372	1.43	11752	2 0 .		
63	22.40	364	1.62	11752	2 2 .		
57	25.11	408	1.51	11752	2 5 .		
50	28.16	452	1.41	11715	2 8 .		
42	33.48	585	1.06	11544	3 2 .		
40	35.79	567	1.17	11815	3 6 .		
35	40.57	638	1.04	11600	4 0 .		
30	47.32	818	0.81	11400	4 5 .		
173	8.23	149	2.49	9599	C 0 6 2 0 8 . 0 _ M J - _ _ 3 . 0 4 A _	55.8	112M
123	11.57	208	2.04	9587	1 1 .		
109	12.97	233	1.91	9553	1 2 .		
98	14.56	261	1.76	9526	1 4 .		
89	15.93	282	1.97	9546	1 6 .		
77	18.49	329	1.54	9486	1 8 .		
68	20.96	372	1.43	9461	2 0 .		
63	22.40	364	1.62	9461	2 2 .		
57	25.11	406	1.51	9461	2 5 .		
50	28.16	452	1.41	9436	2 8 .		
42	33.48	585	1.06	9331	3 2 .		
40	35.79	567	1.22	9374	3 6 .		
35	40.57	638	1.11	9330	4 0 .		
30	47.32	818	0.85	9190	4 5 .		
130	10.94	204	3.59	24654	C 0 7 2 0 1 1 . _ M _ - _ _ 3 . 0 4 A _	100.8	112M
116	12.29	228	3.36	25318	1 2 .		
105	13.52	250	3.16	25990	1 4 .		
90	15.80	281	2.54	27218	1 6 .		
80	17.66	324	2.71	27800	1 8 .		
71	20.07	368	2.50	28732	2 0 .		
65	21.89	387	2.02	28898	2 2 .		
58	24.59	433	1.85	28943	2 5 .		
53	27.03	476	1.73	29018	2 8 .		
46	30.81	557	1.43	28530	3 2 .		
40	35.31	615	1.42	29151	3 6 .		
35	40.15	695	1.29	29151	4 0 .		
32	44.13	788	1.11	29051	4 5 .		
28	49.90	887	0.99	29051	5 0 .		
26	53.63	917	1.03	29057	5 6 .		
23	61.62	1046	0.93	28985	6 3 .		
58	24.47	435	3.79	36556	C 0 8 2 0 2 5 . _ M _ - _ _ 3 . 0 4 A _	155.8	112M
52	27.22	486	3.49	37218	2 8 .		
45	31.78	579	3.36	38336	3 2 .		
40	35.20	622	2.89	39909	3 6 .		
36	39.51	693	2.65	41145	4 0 .		
33	43.64	788	2.75	40024	4 5 .		
29	49.26	884	2.54	40525	5 0 .		
26	54.60	947	2.07	41703	5 6 .		
22	63.56	1091	1.84	41869	6 3 .		
20	69.64	1234	2.02	41159	7 1 .		
19	76.50	1354	1.89	41300	8 0 .		
16	87.29	1482	1.43	41801	9 0 .		
14	98.53	1662	1.30	41828	1 0 0		
14	102.36	1795	1.54	41828	1 1 2		
12	117.89	2053	1.21	41757	1 2 5		
10	139.29	2305	1.00	41686	1 4 0		
9.3	153.00	2525	0.93	41700	1 6 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	20	69.91	1254	3.39	53723	C 0 9 2 0 7 1 _ M - _ _ 3 . 0 4 A _	223.8	112M
	18	77.18	1386	3.10	53704	8 0 .		
	15	93.18	1584	3.00	53684	9 0 .		
	14	103.53	1749	2.80	53665	1 0 0		
	13	106.17	1883	2.36	53681	1 1 2		
	12	119.38	2106	2.13	53651	1 2 5		
	10	148.23	2432	2.20	53821	1 4 0		
	8.8	161.44	2668	2.05	53592	1 6 0		
	6.4	222 08	3606	1.55	53497	2 1 2		
	5.7	249.73	4022	1.39	53454	2 5 0		
	5.0	284.12	4774	1.04	53383	C 0 9 4 0 2 8 0 _ M _ - _ _ 3 . 0 4 A _	244.8	112M
	4.7	305.07	5103	0.97	53383	3 1 5		
	4.2	341 93	5718	0.87	53383	3 6 0		
	12	115.62	2061	3.75	87400	C 1 0 2 0 1 2 5 _ M _ - _ _ 3 . 0 4 A _	331.8	112M
	10	144.71	2473	3.14	87381	1 4 0		
	8.5	166.73	2832	2.81	87372	1 6 0		
	6.3	225.50	3770	2.22	87369	2 1 2		
	5.9	242.27	4035	2.10	87369	2 5 0		
	3.0	474.32	8097	0.99	87375	C 1 0 4 0 5 0 0 _ M _ - _ _ 3 . 0 4 A _	373.8	112M
	2.6	545.04	9295	0.86	87375	5 6 0		
6 POLE	115	8.23	222	1.98	11848	C 0 6 2 0 8 . 0 _ MC - _ _ 3 . 0 6 A _	75.0	132S
	82	11.57	309	1.61	11794	1 1 .		
	73	12.97	345	1.50	11743	1 2 .		
	65	14.56	387	1.40	11692	1 4 .		
	60	15.93	386	1.56	11743	1 6 .		
	51	18.49	487	1.20	11641	1 8 .		
	45	20.96	550	1.11	11589	2 0 .		
	42	22.40	533	1.24	11641	2 2 .		
	38	25.11	594	1.11	11589	2 5 .		
	34	28.18	661	1.00	11565	2 8 .		
	27	35.79	827	0.80	11392	3 6 .		
	115	8.23	222	1.98	9552	C 0 6 2 0 8 . 0 _ MJ - _ _ 3 . 0 6 A _	75.0	132S
	82	11.57	309	1.61	9500	1 1 .		
	73	12.97	345	1.50	9480	1 2 .		
	65	14.56	387	1.40	9449	1 4 .		
	60	15.93	386	1.56	9470	1 6 .		
	51	18.49	487	1.20	9366	1 8 .		
	45	20.96	550	1.11	9347	2 0 .		
	42	22.40	533	1.28	9378	2 2 .		
	38	25.11	583	1.17	9337	2 5 .		
	34	28.18	662	1.08	9309	2 8 .		
	28	33.48	866	0.82	9151	3 2 .		
	27	35.79	828	0.90	9202	3 6 .		
	23	40.57	928	0.83	9150	4 0 .		
	120	7.90	218	2.81	24578	C 0 7 2 0 8 . 0 _ M _ - _ _ 3 . 0 6 A _	122.0	132S
	87	10.94	302	2.81	26605	1 1 .		
	77	12.29	338	2.65	27425	1 2 .		
	70	13.52	371	2.50	28125	1 4 .		
	60	15.80	417	1.91	28725	1 6 .		
	54	17.66	482	2.11	28575	1 8 .		
	47	20.07	542	1.95	28700	2 0 .		
	43	21.89	573	1.50	29125	2 2 .		
	39	24.59	640	1.38	29125	2 5 .		
	35	27.03	701	1.28	29125	2 8 .		
	31	30.81	822	1.05	29046	3 2 .		
	27	35.31	907	1.04	29080	3 6 .		
	24	40.15	1025	0.94	29020	4 0 .		
	22	44.13	1165	0.81	28982	4 5 .		
	61	15.54	416	3.89	35684	C 0 8 2 0 1 6 . _ M _ - _ _ 3 . 0 6 A _	170.0	132S
	54	17.60	462	3.79	36600	1 8 .		
	48	19.76	541	3.53	37705	2 0 .		
	43	22.03	585	3.04	39315	2 2 .		
	39	24.47	647	2.81	40421	2 5 .		
	35	27.22	717	2.59	41025	2 8 .		
	30	31.78	855	2.61	40875	3 2 .		
	27	35.20	915	2.13	41500	3 6 .		
	24	39.51	1022	1.95	41725	4 0 .		
	22	43.64	1167	2.11	41014	4 5 .		
	19	49.26	1309	1.94	41199	5 0 .		
	17	54.60	1393	1.51	41825	5 6 .		
	15	63.56	1609	1.34	41787	6 3 .		
	14	69.64	1828	1.52	41694	7 1 .		
	12	78.50	1999	1.38	41694	8 0 .		
	11	87.29	2176	1.05	41755	9 0 .		
	10	98.53	2446	0.96	41700	1 0 0		
	9.3	102 38	2655	1.14	41700	1 1 2		

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
21	44.55	1201	3.53	53734	C 0 9 2 0 4 5 . _ M _ - _ _ 3 . 0 6 A _	238.0	132S
19	49.49	1333	3.22	53712	5 0 .		
14	69.91	1881	2.38	53666	7 1 .		
12	77.16	2048	2.19	53633	8 0 .		
10	93.18	2329	2.28	53600	9 0 .		
9.2	103.53	2588	2.12	53566	1 0 0		
8.9	108.17	2789	1.65	53563	1 1 2		
8.0	119.38	3111	1.48	53515	1 2 5		
6.5	146.23	3561	1.57	53468	1 4 0		
5.9	161.44	3915	1.42	53421	1 6 0		
4.3	222.08	5302	1.05	53246	2 1 2		
3.8	249.73	5914	0.94	53176	2 5 0		
12	79.71	2137	3.83	87400	C 1 0 2 0 8 0 . _ M _ - _ _ 3 . 0 6 A _	346.0	132S
10	91.32	2342	3.28	87384	8 0 .		
9.4	101.47	2591	3.02	87368	1 0 0		
8.8	107.80	2852	2.84	87400	1 1 2		
8.2	115.82	3054	2.59	87400	1 2 5		
6.6	144.71	3638	2.29	87350	1 4 0		
5.7	168.73	4185	2.05	87325	1 6 0		
4.2	225.50	5553	1.59	87287	2 1 2		
3.9	242.27	5928	1.48	87287	2 5 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
171	8.31	179	1.17	7440	C 0 5 2 0 8 . 0 _ M _ - _ _ 3 . 7 4 A _	51.0	112M
122	11.66	247	0.96	7440	1 1 .		
111	12.85	271	0.91	7440	1 2 .		
173	8.23	183	2.02	11851	C 0 6 2 0 8 . 0 _ M C - _ _ 3 . 7 4 A _	67.0	112M
123	11.57	256	1.66	11801	1 1 .		
110	12.97	287	1.56	11801	1 2 .		
98	14.56	321	1.45	11721	1 4 .		
89	15.93	322	1.60	11790	1 6 .		
77	18.49	405	1.25	11851	1 8 .		
68	20.96	457	1.16	11851	2 0 .		
64	22.40	448	1.32	11851	2 2 .		
57	25.11	499	1.23	11651	2 5 .		
51	28.18	556	1.15	11600	2 8 .		
43	33.48	719	0.86	11400	3 2 .		
40	35.79	697	0.95	11500	3 6 .		
173	8.23	183	2.02	9570	C 0 6 2 0 8 . 0 _ M J - _ _ 3 . 7 4 A _	67.0	112M
123	11.57	256	1.66	9526	1 1 .		
110	12.97	287	1.56	9506	1 2 .		
98	14.56	321	1.45	9471	1 4 .		
89	15.93	322	1.60	9495	1 6 .		
77	18.49	405	1.25	9420	1 8 .		
68	20.96	457	1.16	9385	2 0 .		
64	22.40	448	1.32	9413	2 2 .		
57	25.11	499	1.23	9385	2 5 .		
51	28.18	556	1.15	9350	2 8 .		
43	33.48	719	0.86	9210	3 2 .		
40	35.79	697	0.99	9270	3 6 .		
180	7.90	180	3.43	22778	C 0 7 2 0 8 . 0 _ M _ - _ _ 3 . 7 4 A _	114.0	112M
130	10.94	251	2.92	24347	1 1 .		
116	12.29	280	2.74	24965	1 2 .		
105	13.52	307	2.59	25804	1 4 .		
90	15.80	346	2.06	26865	1 6 .		
81	17.68	398	2.21	27300	1 8 .		
71	20.07	452	2.03	28147	2 0 .		
65	21.89	475	1.64	28520	2 2 .		
58	24.59	532	1.51	28622	2 5 .		
53	27.03	585	1.41	28792	2 8 .		
46	30.81	685	1.16	28256	3 2 .		
40	35.31	756	1.16	29090	3 6 .		
35	40.15	855	1.05	29090	4 0 .		
32	44.13	969	0.90	28990	4 5 .		
92	15.54	344	4.03	32707	C 0 8 2 0 1 6 . _ M _ - _ _ 3 . 7 4 A _	162.0	112M
81	17.60	401	3.94	33482	1 8 .		
72	19.76	450	3.66	34598	2 0 .		
65	22.03	483	3.26	35598	2 2 .		
58	24.47	535	3.08	36126	2 5 .		
52	27.22	598	2.84	36740	2 8 .		
45	31.78	712	2.74	37831	3 2 .		
40	35 20	764	2.36	39295	3 6 .		
36	39.51	852	2.16	40452	4 0 .		
33	43.64	968	2.24	39256	4 5 .		
29	49.26	1087	2.06	39964	5 0 .		
26	54.60	1164	1.69	41458	5 6 .		
22	63.56	1341	1.50	41832	6 3 .		
20	69.64	1516	1.64	40857	7 1 .		
19	76.50	1664	1.54	41056	8 0 .		
16	87.29	1822	1.17	41760	9 0 .		
14	98.53	2042	1.06	41800	1 0 0		
14	102.38	2206	1.25	41800	1 1 2		
12	117.89	2523	0.98	41700	1 2 5		
32	44.55	998	4.03	53433	C 0 9 2 0 4 5 . _ M _ - _ _ 3 . 7 4 A _	230.0	112M
29	49.49	1107	3.70	53500	5 0 .		
20	69.81	1542	2.77	53682	7 1 .		
18	77.18	1704	2.52	53653	8 0 .		
15	93.18	1947	2.44	53624	9 0 .		
14	103.53	2150	2.28	53594	1 0 0		
13	106.17	2314	1.81	53618	1 1 2		
12	119.38	2588	1.73	53573	1 2 5		
10	146.23	2990	1.79	53528	1 4 0		
8.8	161.44	3280	1.68	53482	1 6 0		
6.4	222.08	4432	1.25	53338	2 1 2		
5.7	249.73	4942	1.12	53272	2 5 0		
16	91.32	1956	3.64	87400	C 1 0 2 0 9 0 . _ M _ - _ _ 3 . 7 4 A _	336.0	112M
14	101.47	2163	3.35	87385	1 0 0		
13	107.80	2375	3.43	87400	1 1 2		
12	115.82	2534	3.06	87400	1 2 5		
10	144.71	3040	2.55	87359	1 4 0		
8.5	166.73	3480	2.29	87338	1 6 0		
6.3	225.50	4833	1.81	87332	2 1 2		
5.9	242.27	4959	1.71	87332	2 5 0		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

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
116	8.23	272	1.61	11787	C 0 6 2 0 8 . 0 M C - _ _ 3 . 7 6 A _	84.0	132S
83	11.57	379	1.31	11716	1 1 .		
74	12.97	424	1.22	11648	1 2 .		
66	14.56	475	1.14	11575	1 4 .		
60	15.93	474	1.28	11648	1 6 .		
52	18.49	598	0.98	11504	1 8 .		
46	20.96	675	0.91	11433	2 0 .		
43	22.40	854	1.02	11504	2 2 .		
38	25.11	729	0.91	11433	2 5 .		
116	8.23	272	1.61	9507	C 0 6 2 0 8 . 0 _ M J - _ _ 3 . 7 6 A _	84.0	132S
83	11.57	379	1.31	9436	1 1 .		
74	12.97	424	1.22	9408	1 2 .		
66	14.56	475	1.14	9369	1 4 .		
60	15.93	474	1.28	9394	1 6 .		
52	18.49	598	0.98	9289	1 8 .		
46	20.96	675	0.91	9232	2 0 .		
43	22.40	854	1.04	9274	2 2 .		
38	25.11	728	0.95	9218	2 5 .		
34	28.18	812	0.88	9180	2 8 .		
121	7.90	268	2.29	24231	C 0 7 2 0 8 . 0 _ M _ - _ _ 3 . 7 6 A _	131.0	132S
87	10.94	370	2.29	26142	1 1 .		
78	12.29	415	2.15	26908	1 2 .		
71	13.52	455	2.03	27541	1 4 .		
60	15.80	512	1.56	28408	1 6 .		
54	17.66	591	1.72	28158	1 8 .		
48	20.07	685	1.59	28366	2 0 .		
44	21.89	703	1.22	29075	2 2 .		
39	24.58	785	1.12	29075	2 5 .		
35	27.03	860	1.04	29075	2 8 .		
87	11.01	376	4.12	31852	C 0 8 2 0 1 1 . _ M _ - _ _ 3 . 7 6 A _	179.0	132S
78	12.24	415	3.87	32747	1 2 .		
70	13.61	460	3.63	33642	1 4 .		
61	15.54	511	3.17	35273	1 6 .		
54	17.60	591	3.09	36000	1 8 .		
48	19.78	663	2.88	37042	2 0 .		
43	22.03	718	2.48	38726	2 2 .		
39	24.47	794	2.29	39768	2 5 .		
35	27.22	880	2.11	40441	2 8 .		
30	31.78	1050	2.12	40191	3 2 .		
27	35.20	1122	1.74	41233	3 6 .		
24	39.51	1254	1.59	41606	4 0 .		
22	43.64	1431	1.72	40878	4 5 .		
19	49.26	1606	1.56	40932	5 0 .		
17	54.60	1708	1.23	41775	5 6 .		
15	63.56	1974	1.09	41712	6 3 .		
14	69.64	2242	1.24	41616	7 1 .		
12	76.50	2452	1.12	41616	8 0 .		
21	44.55	1474	2.88	53704	C 0 9 2 0 4 5 . _ M _ - _ _ 3 . 7 6 A _	247.0	132S
19	49.49	1636	2.62	53673	5 0 .		
14	69.91	2284	1.95	53607	7 1 .		
12	77.18	2513	1.78	53559	8 0 .		
10	93.16	2857	1.86	53511	9 0 .		
9.2	103.53	3151	1.73	53462	1 0 0		
8.0	106.17	3422	1.35	53457	1 1 2		
8.0	119.38	3817	1.22	53389	1 2 5		
6.5	146.23	4369	1.28	53321	1 4 0		
5.9	161.44	4804	1.16	53252	1 6 0		
14	69.16	2278	3.60	87362	C 1 0 2 0 7 1 . _ M _ - _ _ 3 . 7 6 A _	355.0	132S
12	79.71	2622	3.11	87400	8 0 .		
10	91.32	2874	2.67	87373	9 0 .		
9.4	101.47	3179	2.46	87347	1 0 0		
8.9	107.60	3498	2.31	87400	1 1 2		
8.2	115.82	3747	2.11	87400	1 2 5		
6.6	144.71	4464	1.87	87316	1 4 0		
5.7	166.73	5111	1.66	87275	1 6 0		
4.2	225.50	6814	1.30	87212	2 1 2		
3.9	242.27	7273	1.21	87212	2 5 0		

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
176	8.23	268	1.39	11786	C 0 6 2 0 8 . 0 _ MC - _ _ 5 . 5 4 A _	76.0	132S
125	11.57	375	1.14	11715	1 1 .		
112	12.97	419	1.06	11715	1 2 .		
100	14.56	469	0.99	11800	1 4 .		
91	15.93	471	1.10	11700	1 6 .		
78	18.49	591	0.86	11500	1 8 .		
65	22.40	654	0.90	11500	2 2 .		
58	25.11	729	0.84	11500	2 5 .		
176	8.23	268	1.39	9527	C 0 6 2 0 8 . 0 _ MJ - _ _ 5 . 5 4 A _	76.0	132S
125	11.57	375	1.14	9453	1 1 .		
112	12.97	419	1.06	9434	1 2 .		
100	14.56	469	0.99	9390	1 4 .		
91	15.93	471	1.10	9420	1 6 .		
78	18.49	591	0.86	9320	1 8 .		
65	22.40	654	0.90	9310	2 2 .		
58	25.11	729	0.84	9270	2 5 .		
184	7.90	263	2.35	22428	C 0 7 2 0 8 . 0 _ M _ - _ _ 5 . 5 4 A _	125.0	132S
132	10.94	367	2.00	23887	1 1 .		
118	12.29	410	1.87	24437	1 2 .		
107	13.52	449	1.77	25025	1 4 .		
92	15.80	505	1.42	26337	1 6 .		
82	17.66	583	1.51	26550	1 8 .		
72	20.07	661	1.39	27269	2 0 .		
66	21.89	695	1.12	27954	2 2 .		
59	24.59	777	1.03	28141	2 5 .		
54	27.03	854	0.96	28452	2 8 .		
132	11.01	370	3.56	29375	C 0 8 2 0 1 1 . _ M _ - _ _ 5 . 5 4 A _	173.0	132S
119	12.24	412	3.35	29997	1 2 .		
107	13.61	454	3.15	30894	1 4 .		
93	15.54	502	2.76	32297	1 6 .		
82	17.60	587	2.69	32885	1 8 .		
73	19.76	657	2.51	33930	2 0 .		
66	22.03	706	2.24	35010	2 2 .		
59	24.47	782	2.11	35482	2 5 .		
53	27.22	873	1.95	36025	2 8 .		
46	31.78	1041	1.87	36575	3 2 .		
41	35.20	1117	1.61	38375	3 6 .		
37	39.51	1244	1.48	39412	4 0 .		
33	43.64	1415	1.53	38110	4 5 .		
29	49.26	1568	1.42	39122	5 0 .		
27	54.60	1700	1.15	41090	5 6 .		
23	63.56	1960	1.03	41775	6 3 .		
21	69.64	2216	1.12	40404	7 1 .		
19	76.50	2431	1.05	40689	8 0 .		
33	44.55	1458	2.76	53243	C 0 9 2 0 4 5 . _ M _ - _ _ 5 . 5 4 A _	241.0	132S
29	49.49	1618	2.53	53344	5 0 .		
21	69.91	2252	1.89	53622	7 1 .		
19	77.18	2489	1.73	53577	8 0 .		
16	93.18	2845	1.67	53533	9 0 .		
14	103.53	3141	1.56	53488	1 0 0		
14	106.17	3382	1.31	53525	1 1 2		
12	119.38	3781	1.19	53458	1 2 5		
10	146.23	4367	1.23	53387	1 4 0		
9.0	161.44	4791	1.14	53318	1 6 0		
6.5	222.08	6474	0.86	53100	2 1 2		
21	69.18	2259	3.36	85716	C 1 0 2 0 7 1 . _ M _ - _ _ 5 . 5 4 A _	349.0	132S
18	79.71	2588	2.96	86407	8 0 .		
16	91.32	2858	2.49	87400	9 0 .		
14	101.47	3160	2.29	87374	1 0 0		
13	107.80	3470	2.35	87400	1 1 2		
13	115.82	3701	2.09	87400	1 2 5		
10	144.71	4441	1.75	87325	1 4 0		
8.7	168.73	5084	1.57	87287	1 6 0		
6.4	225.50	6769	1.24	87275	2 1 2		
5.0	242.27	7244	1.17	87275	2 5 0		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

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
117	8.23	403	1.09	11700	C 0 6 2 0 8 . 0 _ M C - _ _ 5 . 5 6 A _	94.0	132M
83	11.57	581	0.89	11600	1 1 .		
74	12.97	627	0.83	11500	1 2 .		
60	15.93	700	0.86	11500	1 6 .		
117	8.23	403	1.09	9440	C 0 6 2 0 8 . 0 _ M J - _ _ 5 . 5 6 A _	94.0	132M
83	11.57	581	0.89	9340	1 1 .		
74	12.97	627	0.83	9300	1 2 .		
60	15.93	700	0.86	9280	1 6 .		
122	7.90	397	1.55	23710	C 0 7 2 0 8 . 0 _ M _ - _ _ 5 . 5 6 A _	141.0	132M
88	10.94	548	1.55	25447	1 1 .		
78	12.29	614	1.46	26133	1 2 .		
71	13.52	673	1.38	26566	1 4 .		
61	15.80	758	1.05	27933	1 6 .		
54	17.66	875	1.17	27533	1 8 .		
48	20.07	984	1.08	27866	2 0 .		
44	21.89	1039	0.83	29000	2 2 .		
124	7.77	395	3.16	29047	C 0 8 2 0 8 . 0 _ M _ - _ _ 5 . 5 6 A _	169.0	132M
87	11.01	557	2.78	31284	1 1 .		
78	12.24	614	2.62	32115	1 2 .		
71	13.61	680	2.45	32947	1 4 .		
62	15.54	755	2.15	34657	1 6 .		
55	17.60	875	2.09	35100	1 8 .		
49	19.76	981	1.95	36047	2 0 .		
44	22.03	1061	1.68	37842	2 2 .		
39	24.47	1174	1.55	38789	2 5 .		
35	27.22	1301	1.43	39566	2 8 .		
30	31.78	1552	1.44	39166	3 2 .		
27	35.20	1660	1.17	40833	3 6 .		
24	39.51	1855	1.07	41433	4 0 .		
22	43.64	2117	1.16	40173	4 5 .		
19	49.26	2375	1.07	40532	5 0 .		
18	54.60	2527	0.83	41700	5 6 .		
14	69.64	3316	0.84	41500	7 1 .		
22	44.55	2179	1.95	53660	C 0 9 2 0 4 5 . _ M - _ _ 5 . 5 6 A _	257.0	132M
19	49.48	2420	1.77	53614	5 0 .		
14	69.91	3377	1.31	53518	7 1 .		
12	77.18	3716	1.21	53448	8 0 .		
10	93.18	4226	1.28	53377	9 0 .		
9.3	103.53	4660	1.17	53307	1 0 0		
9.0	106.17	5060	0.91	53300	1 1 2		
8.0	119.38	5645	0.82	53200	1 2 5		
6.6	146.23	6461	0.86	53100	1 4 0		
22	43.65	2160	3.76	85776	C 1 0 2 0 4 5 . _ M _ - _ _ 5 . 5 6 A _	365.0	132M
20	48.51	2390	3.47	86058	5 0 .		
14	69.18	3389	2.44	87340	7 1 .		
12	79.71	3878	2.11	87400	8 0 .		
11	91.32	4250	1.81	87357	9 0 .		
9.5	101.47	4702	1.67	87315	1 0 0		
8.9	107.80	5174	1.57	87400	1 1 2		
8.3	115.82	5542	1.43	87400	1 2 5		
6.6	144.71	6601	1.26	87286	1 4 0		
5.8	166.73	7558	1.13	87200	1 6 0		
4.3	225.50	10075	0.68	87100	2 1 2		
4.0	242.27	10756	0.82	87100	2 5 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
176	8.23	366	1.02	11700	C 0 6 2 0 8 . 0 MC- _ _ 7 . 5 4 A_	88.0	132M
125	11.57	511	0.83	11600	1 1 .		
176	8.23	366	1.02	9470	C 0 6 2 0 8 . 0 _ M J - _ _ 7 . 5 4 A_	88.0	132M
125	11.57	511	0.83	9380	1 1 .		
184	7.90	359	1.72	21957	C 0 7 2 0 8 . 0 _ M _ - _ _ 7 . 5 4 A_	135.0	132M
132	10.94	500	1.47	23273	1 1 .		
118	12.29	559	1.37	23732	1 2 .		
107	13.52	612	1.30	24252	1 4 .		
92	15.60	689	1.04	25632	1 6 .		
82	17.66	795	1.11	25550	1 8 .		
72	20.07	901	1.02	26100	2 0 .		
66	21.89	947	0.82	27200	2 2 .		
* 187	7.77	356	3.20	26947	C 0 8 2 0 8 . 0 _ M _ - _ _ 7 . 5 4 A_	183.0	132M
132	11.01	505	2.61	28875	1 1 .		
119	12.24	562	2.45	29450	1 2 .		
107	13.61	619	2.31	30285	1 4 .		
* 93	15.54	685	2.03	31750	1 6 .		
82	17.60	800	1.97	32088	1 8 .		
73	19.76	896	1.84	33039	2 0 .		
66	22.03	963	1.64	34229	2 2 .		
59	24.47	1066	1.55	34822	2 5 .		
53	27.22	1191	1.43	35070	2 8 .		
46	31.78	1419	1.37	35165	3 2 .		
41	35.20	1523	1.18	37147	3 6 .		
37	39.51	1697	1.08	38026	4 0 .		
33	43.64	1930	1.12	36579	4 5 .		
29	49.26	2186	1.04	38000	5 0 .		
27	54.60	2318	0.85	40800	5 6 .		
21	69.64	3021	0.82	39800	7 1 .		
33	44.55	1988	2.03	52990	C 0 9 2 0 4 5 . _ M _ - _ _ 7 . 5 4 A_	251.0	132M
29	49.49	2206	1.85	53137	5 0 .		
21	69.91	3072	1.39	53541	7 1 .		
19	77.18	3394	1.27	53476	8 0 .		
16	93.18	3880	1.23	53412	9 0 .		
14	103.53	4283	1.14	53347	1 0 0		
14	108.17	4612	0.96	53400	1 1 2		
12	119.38	5156	0.87	53300	1 2 5		
10	146.23	5955	0.90	53200	1 4 0		
9.0	161.44	6534	0.84	53100	1 6 0		
33	43.65	1968	3.63	82939	C 1 0 2 0 4 5 . _ M _ - _ _ 7 . 5 4 A_	359.0	132M
30	48.51	2181	3.33	83701	5 0 .		
21	69.18	3081	2.47	84698	7 1 .		
18	79.71	3529	2.17	85606	8 0 .		
16	91.32	3897	1.83	87400	9 0 .		
14	101.47	4309	1.68	87358	1 0 0		
13	107.60	4732	1.72	87400	1 1 2		
13	115.82	5047	1.53	87400	1 2 5		
10	144.71	6056	1.28	87279	1 4 0		
8.7	166.73	6933	1.15	87219	1 6 0		
6.4	225.50	9231	0.91	87200	2 1 2		
6.0	242.27	9879	0.86	87200	2 5 0		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

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
122	7.90	538	1.14	23015	C 0 7 2 0 8 . 0 _ M _ - _ _ 7 . 5 6 A _	150.0	160M
88	10.94	743	1.14	24521	1 1 .		
78	12.29	833	1.07	25100	1 2 .		
71	13.52	913	1.01	25500	1 4 .		
55	17.66	1187	0.86	26700	1 8 .		
124	7.77	536	2.33	28521	C 0 8 2 0 8 . 0 M - _ 7 . 5 8 A _	198.0	160M
88	11.01	755	2.05	30526	1 1 .		
79	12.24	834	1.93	31273	1 2 .		
71	13.61	922	1.81	32021	1 4 .		
62	15.54	1024	1.58	33838	1 6 .		
55	17.60	1187	1.54	33900	1 8 .		
49	19.76	1331	1.43	34721	2 0 .		
44	22.03	1440	1.24	36863	2 2 .		
39	24.47	1593	1.14	37484	2 5 .		
35	27.22	1765	1.05	38400	2 8 .		
30	31.78	2106	1.06	37800	3 2 .		
27	35.20	2252	0.87	40300	3 6 .		
22	43.64	2872	0.86	39500	4 5 .		
88	10.98	756	3.75	48300	C 0 9 2 0 1 1 . _ M _ - _ _ 7 . 5 6 A _	286.0	160M
78	12.30	849	3.50	49500	1 2 .		
70	13.81	947	3.27	50900	1 4 .		
58	16.68	1102	2.77	53800	1 6 .		
54	17.79	1219	2.79	53800	1 8 .		
49	19.88	1350	2.61	53800	2 0 .		
42	22.96	1505	2.29	53800	2 2 .		
37	25.73	1674	2.14	53800	2 5 .		
33	28.89	1872	2.00	53800	2 8 .		
31	31.43	2123	1.92	53800	3 2 .		
26	37.22	2396	1.70	53800	3 6 .		
23	41.59	2652	1.59	53700	4 0 .		
22	44.55	2956	1.43	53802	4 5 .		
19	49.49	3282	1.31	53538	5 0 .		
17	57.66	3629	1.29	53800	5 6 .		
15	65.74	4112	1.18	53500	6 3 .		
14	69.91	4561	0.97	53400	7 1 .		
13	77.16	5041	0.89	53300	8 0 .		
10	93.18	5733	0.93	53200	9 0 .		
9.3	103.53	6322	0.86	53100	1 0 0		
42	23.23	1546	3.86	79500	C 1 0 2 0 2 2 . _ M _ - _ _ 7 . 5 8 A _	374.0	160M
38	25.27	1660	3.62	81400	2 5 .		
34	28.70	1900	3.28	84200	2 8 .		
30	31.85	2156	3.42	85000	3 2 .		
26	37.36	2450	2.68	87400	3 6 .		
24	40.36	2643	2.52	87400	4 0 .		
22	43.65	2930	2.77	84964	4 5 .		
20	48.51	3242	2.56	85388	5 0 .		
16	58.85	3805	1.86	87400	5 6 .		
14	66.63	4281	1.69	87400	6 3 .		
14	69.18	4571	1.80	87311	7 1 .		
12	79.71	5261	1.55	87400	8 0 .		
11	91.32	5766	1.33	87338	9 0 .		
10	101.47	6378	1 23	87273	1 0 0		
9.0	107.80	7019	1.18	87400	1 1 2		
8.3	115.82	7518	1.05	87400	1 2 5		
6.7	144.71	8955	0.93	87200	1 4 0		
5.8	166.73	10253	0.83	87100	1 6 0		

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
164	7.90	526	1.18	21137	C 0 7 2 0 8 . 0 _ M _ - _ _ 1 1 . 4 A _	155.0	160M
133	10.94	731	1.00	22200	1 1 .		
118	12.29	817	0.94	22500	1 2 .		
108	13.52	894	0.89	22900	1 4 .		
187	7.77	520	2.19	26318	C 0 8 2 0 8 . 0 _ M _ - _ _ 1 1 . 4 A _	203.0	160M
132	11.01	738	1.79	28000	1 1 .		
119	12.24	822	1.68	28493	1 2 .		
107	13.61	906	1.58	29218	1 4 .		
94	15.54	1002	1.39	30793	1 8 .		
83	17.60	1170	1.35	30893	1 8 .		
74	19.76	1310	1.26	31481	2 0 .		
66	22.03	1408	1.12	32862	2 2 .		
59	24.47	1559	1.06	33118	2 5 .		
53	27.22	1741	0.98	33400	2 8 .		
46	31.78	2075	0.94	32700	3 2 .		
41	35.20	2227	0.81	35000	3 8 .		
182	7.97	539	3.93	41700	C 0 9 2 0 8 . 0 _ M _ - _ _ 1 1 . 4 A _	271.0	160M
133	10.98	738	3.27	44600	1 1 .		
118	12.30	831	3.06	45800	1 2 .		
105	13.81	928	2.86	47000	1 4 .		
87	16.68	1075	2.43	49800	1 8 .		
82	17.79	1189	2.45	49900	1 8 .		
73	19.88	1327	2.29	51400	2 0 .		
63	22.96	1474	2.01	53600	2 2 .		
57	25.73	1652	1.87	53600	2 5 .		
50	28.89	1838	1.75	53800	2 8 .		
46	31.43	2062	1.72	53800	3 2 .		
39	37.22	2366	1.50	53800	3 6 .		
35	41.59	2619	1.40	53700	4 0 .		
33	44.55	2906	1.39	52548	4 5 .		
29	49.49	3225	1.27	52775	5 0 .		
25	57.66	3604	1.14	53800	5 6 .		
22	65.74	4054	1.06	53500	6 3 .		
21	69.91	4490	0.95	53400	7 1 .		
19	77.18	4961	0.87	53300	8 0 .		
16	93.18	5671	0.84	53200	9 0 .		
63	23.23	1518	3.55	73000	C 1 0 2 0 2 2 . _ M _ - _ _ 1 1 . 4 A _	379.0	160M
58	25.27	1650	3.36	74000	2 5 .		
51	28.70	1868	3.06	75400	2 8 .		
46	31.85	2119	3.02	75100	3 2 .		
39	37.38	2415	2.51	79400	3 6 .		
36	40.36	2602	2.38	81000	4 0 .		
33	43.65	2877	2.46	80522	4 5 .		
30	48.51	3187	2.28	81258	5 0 .		
25	58.85	3740	1.77	87400	5 6 .		
22	66.63	4216	1.61	87400	6 3 .		
21	69.18	4503	1.69	82911	7 1 .		
18	79.71	5158	1.49	84754	8 0 .		
16	91.32	5697	1.25	87400	9 0 .		
14	101.47	6298	1.15	87331	1 0 0		
13	107.80	6917	1.18	87400	1 1 2		
13	115.62	7378	1.05	87400	1 2 5		
10	144.71	8851	0.88	87200	1 4 0		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

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
124	7.77	786	1.59	27600	C 0 8 2 0 8 . 0 _ M _ - _ _ 1 1 . 6 A _	217.0	160L
88	11.01	1108	1.40	29200	1 1 .		
79	12.24	1223	1.32	29800	1 2 .		
71	13.61	1353	1.23	30400	1 4 .		
62	15.54	1502	1.08	32400	1 6 .		
55	17.60	1741	1.05	31600	1 8 .		
49	19.76	1953	0.98	32400	2 0 .		
44	22.03	2112	0.84	34600	2 2 .		
121	7.97	810	3.10	44360	C 0 9 2 0 8 . 0 _ M _ - _ _ 1 1 . 6 A _	285.0	160L
88	10.98	1109	2.56	47148	1 1 .		
78	12.30	1245	2.39	48208	1 2 .		
70	13.81	1390	2.23	49468	1 4 .		
58	16.68	1617	1.89	52841	1 6 .		
54	17.79	1788	1.90	52037	1 8 .		
49	19.88	1980	1.78	52206	2 0 .		
42	22.96	2207	1.56	53341	2 2 .		
37	25.73	2455	1.46	53704	2 5 .		
33	28.89	2746	1.38	53872	2 8 .		
31	31.43	3114	1.31	53163	3 2 .		
26	37.22	3515	1.16	53813	3 6 .		
23	41.59	3869	1.08	53513	4 0 .		
22	44.55	4336	0.98	53500	4 5 .		
19	49.49	4814	0.89	53400	5 0 .		
17	57.66	5323	0.86	53300	5 6 .		
15	65.74	6031	0.80	53200	6 3 .		
70	13.72	1394	3.93	67833	C 1 0 2 0 1 4 . _ M _ - _ _ 1 1 . 6 A _	393.0	160L
58	16.63	1639	3.37	71873	1 6 .		
54	17.87	1802	3.34	72391	1 8 .		
50	19.29	1944	3.19	74166	2 0 .		
42	23.23	2268	2.63	78084	2 2 .		
38	25.27	2464	2.47	79860	2 5 .		
34	28.70	2787	2.24	82457	2 8 .		
30	31.85	3162	2.33	82340	3 2 .		
26	37.38	3594	1.83	85855	3 6 .		
24	40.36	3876	1.72	86144	4 0 .		
22	43.65	4297	1.89	83544	4 5 .		
20	48.51	4755	1.75	84214	5 0 .		
16	58.85	5581	1.27	87336	5 6 .		
14	66.63	6279	1.15	87353	6 3 .		
14	69.18	6704	1.22	87259	7 1 .		
12	79.71	7716	1.06	87400	8 0 .		
11	91.32	8457	0.91	87300	9 0 .		
10	101.47	9355	0.84	87200	1 0 0		

NOTE

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

15.0 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	185	7.90	714	0.87	20200	C 0 7 2 0 8 . 0 M - _ _ 1 5 . 4 A _	188.0	160L
*	168	7.77	707	1.61	25600	C 0 8 2 0 8 . 0 M - _ _ 1 5 . 4 A _	216.0	160L
	133	11.01	1003	1.32	27000	1 1 .		
	119	12.24	1117	1.24	27400	1 2 .		
	107	13.61	1231	1.16	28000	1 4 .		
*	94	15.54	1362	1.02	29700	1 6 .		
	83	17.60	1590	0.99	29100	1 8 .		
	74	19.76	1781	0.93	29700	2 0 .		
	66	22.03	1913	0.83	31300	2 2 .		
*	183	7.97	732	2.69	41064	C 0 9 2 0 8 . 0 _ M _ - _ _ 1 5 . 4 A _	284.0	160L
	133	10.98	1004	2.41	43729	1 1 .		
	119	12.30	1129	2.25	44615	1 2 .		
	106	13.81	1261	2.10	45892	1 4 .		
*	88	16.68	1461	1.79	48631	1 6 .		
	82	17.79	1617	1.81	48489	1 8 .		
	73	19.88	1804	1.68	49800	2 0 .		
	64	22.96	2004	1.48	52254	2 2 .		
	57	25.73	2245	1.38	52527	2 5 .		
	51	28.89	2498	1.29	52672	2 8 .		
	46	31.43	2829	1.27	51506	3 2 .		
	39	37.22	3215	1.10	53640	3 6 .		
	35	41.59	3559	1.03	53540	4 0 .		
	33	44.55	3949	1.02	52042	4 5 .		
	30	49.49	4383	0.93	52362	5 0 .		
	25	57.66	4898	0.84	53400	5 6 .		
	121	12.08	1114	3.99	60823	C 1 0 2 0 1 2 . _ M _ - _ _ 1 5 . 4 A _	392.0	180L
*	108	13.72	1263	3.71	62817	1 4 .		
	88	16.63	1483	3.19	66523	1 6 .		
	82	17.87	1638	3.16	67047	1 8 .		
	76	19.29	1764	3.02	68664	2 0 .		
	63	23.23	2064	2.61	71917	2 2 .		
	58	25.27	2242	2.47	72823	2 5 .		
	51	28.70	2539	2.25	74061	2 8 .		
	46	31.85	2860	2.22	73069	3 2 .		
	39	37.38	3282	1.85	77673	3 6 .		
	36	40.36	3537	1.74	79147	4 0 .		
	33	43.65	3910	1.83	77759	4 5 .		
	30	48.51	4332	1.68	78467	5 0 .		
	25	58.65	5083	1.30	85327	5 6 .		
	22	66.63	5730	1.18	85945	6 3 .		
	21	69.18	6119	1.24	80870	7 1 .		
	18	79.71	7009	1.09	83552	8 0 .		
	16	91.32	7742	0.92	87400	9 0 .		
	14	101.47	8560	0.85	87300	1 0 0		
6 POLE	122	7.97	1099	2.28	43400	C 0 9 2 0 8 . 0 _ M _ - _ _ 1 5 . 6 A _	309.0	180L
	88	10.98	1505	1.89	45833	1 1 .		
	79	12.30	1689	1.76	46733	1 2 .		
	70	13.81	1886	1.64	47633	1 4 .		
	58	16.68	2194	1.39	51317	1 6 .		
	55	17.79	2426	1.40	50024	1 8 .		
	49	19.88	2687	1.31	50388	2 0 .		
	42	22.96	2995	1.15	52817	2 2 .		
	38	25.73	3330	1.08	53595	2 5 .		
	34	28.89	3726	1.00	53527	2 8 .		
	31	31.43	4225	0.96	52436	3 2 .		
	26	37.22	4769	0.86	53400	3 6 .		
	23	41.59	5276	0.80	53300	4 0 .		
* For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)	122	7.95	1103	3.49	59268	C 1 0 2 0 8 . 0 _ M _ - _ _ 1 5 . 6 A _	417.0	180L
	87	11.11	1536	3.29	63366	1 1 .		
	80	12.08	1666	3.13	64500	1 2 .		
	71	13.72	1891	2.90	66500	1 4 .		
	58	16.63	2224	2.49	70700	1 6 .		
	54	17.87	2445	2.47	70666	1 8 .		
	50	19.29	2637	2.35	72300	2 0 .		
	42	23.23	3077	1.94	76466	2 2 .		
	38	25.27	3342	1.82	78100	2 5 .		
	34	28.70	3781	1.65	80466	2 8 .		
	30	31.85	4290	1.72	79300	3 2 .		
	26	37.38	4876	1.35	84089	3 6 .		
	24	40.36	5259	1.27	84710	4 0 .		
	22	43.65	5830	1.39	81920	4 5 .		
	20	48.51	6451	1.29	82673	5 0 .		
	16	58.65	7572	0.94	87263	5 6 .		
	15	66.63	8518	0.85	87300	6 3 .		
	14	69.18	9095	0.90	87200	7 1 .		

NOTE

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

18.5 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	163	7.97	903	2.35	40508	C 0 9 2 0 8 . 0 _ M _ - _ _ 1 8 . 4 A _	307.0	180M
	133	10.98	1238	1.95	42967	1 1 .		
	119	12.30	1393	1.82	43753	1 2 .		
	108	13.81	1555	1.70	44923	1 4 .		
*	88	16.68	1802	1.45	47984	1 6 .		
	82	17.79	1994	1.46	47255	1 8 .		
	73	19.68	2225	1.37	48400	2 0 .		
	64	22.96	2472	1.20	51077	2 2 .		
	57	25.73	2769	1.12	51413	2 5 .		
	51	28.89	3081	1.04	51888	2 8 .		
	46	31.43	3489	1.03	49500	3 2 .		
	39	37.22	3985	0.89	53500	3 6 .		
	35	41.59	4390	0.84	53400	4 0 .		
	33	44.55	4871	0.83	51800	4 5 .		
	131	11.11	1254	3.40	59054	C 1 0 2 0 1 1 . _ M _ - _ _ 1 8 . 4 A _	415.0	180M
	121	12.08	1374	3.24	60144	1 2 .		
	106	13.72	1557	3.00	62045	1 4 .		
*	88	16.63	1829	2.59	65844	1 6 .		
	82	17.87	2020	2.56	66038	1 8 .		
	76	19.29	2176	2.45	67583	2 0 .		
	63	23.23	2545	2.12	70970	2 2 .		
	58	25.27	2765	2.00	71794	2 5 .		
	51	28.70	3131	1.82	72890	2 8 .		
	46	31.85	3552	1.60	71292	3 2 .		
	39	37.38	4048	1.50	76163	3 6 .		
	36	40.36	4362	1.41	77526	4 0 .		
	33	43.65	4822	1.48	75342	4 5 .		
	30	48.51	5342	1.36	76025	5 0 .		
	25	58.85	6269	1.06	83513	5 6 .		
	22	66.63	7067	0.96	84872	6 3 .		
	21	69.18	7547	1.01	79085	7 1 .		
	18	79.71	8645	0.89	82500	8 0 .		
6 POLE	122	7.97	1355	1.85	42560	C 0 9 2 0 8 . 0 _ M _ - _ _ 1 8 . 6 A _	391.0	200L
	88	10.98	1857	1.53	44682	1 1 .		
	79	12.30	2083	1.43	45442	1 2 .		
	70	13.81	2326	1.33	46402	1 4 .		
	58	16.68	2706	1.13	50156	1 6 .		
	55	17.79	2992	1.14	48262	1 8 .		
	49	19.68	3314	1.07	48793	2 0 .		
	42	22.96	3693	0.93	52358	2 2 .		
	38	25.73	4108	0.87	53500	2 5 .		
	34	28.89	4595	0.81	53400	2 8 .		
	122	7.95	1360	2.63	58597	C 1 0 2 0 8 . 0 _ M _ - _ _ 1 8 . 6 A _	441.0	200L
	87	11.11	1894	2.67	62417	1 1 .		
	80	12.08	2065	2.54	63473	1 2 .		
	71	13.72	2333	2.35	65333	1 4 .		
	58	16.63	2743	2.02	69873	1 6 .		
	54	17.87	3016	2.00	69157	1 8 .		
	50	19.29	3252	1.91	70868	2 0 .		
	42	23.23	3795	1.57	75051	2 2 .		
	38	25.27	4122	1.47	76560	2 5 .		
	34	28.70	4663	1.34	78724	2 8 .		
	30	31.85	5291	1.39	76640	3 2 .		
	26	37.38	6014	1.09	82544	3 6 .		
	24	40.36	6486	1.03	83455	4 0 .		
	22	43.65	7191	1.13	80500	4 5 .		
	20	48.51	7956	1.04	81700	5 0 .		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

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	184	7.97	1071	1.98	39952	C 0 9 2 0 8 . 0 _ M _ - _ _ 2 2 . 4 A _	343.0	180L
	133	10.98	1467	1.65	42205	1 1 .		
	119	12.30	1650	1.54	42892	1 2 .		
	108	13.81	1843	1.44	43953	1 4 .		
*	88	16.68	2136	1.22	47136	1 6 .		
	82	17.79	2363	1.24	46021	1 8 .		
	74	19.88	2637	1.15	47000	2 0 .		
	64	22.96	2929	1.01	49900	2 2 .		
	57	25.73	3282	0.94	50300	2 5 .		
	51	28.89	3651	0.88	50700	2 8 .		
*	184	7.95	1072	3.48	54878	C 1 0 2 0 8 . 0 _ M _ - _ _ 2 2 . 4 A _	451.0	180L
	132	11.11	1498	2.87	58426	1 1 .		
	121	12.08	1628	2.73	59464	1 2 .		
	107	13.72	1846	2.54	61273	1 4 .		
*	88	16.63	2158	2.18	65164	1 6 .		
	82	17.87	2394	2.16	65029	1 8 .		
	76	19.29	2579	2.07	66502	2 0 .		
	63	23.23	3017	1.78	70023	2 2 .		
	58	25.27	3278	1.69	70764	2 5 .		
	51	28.70	3711	1.54	71719	2 8 .		
	46	31.85	4210	1.52	69515	3 2 .		
	39	37.38	4798	1.25	74852	3 8 .		
	36	40.36	5170	1.19	75905	4 0 .		
	34	43.65	5715	1.25	72925	4 5 .		
	30	48.51	6332	1.15	73582	5 0 .		
	25	56.85	7430	0.89	81700	5 6 .		
	22	66.63	8375	0.81	83400	6 3 .		
	21	69.18	8945	0.85	77300	7 1 .		
6 POLE	122	7.97	1612	1.56	41720	C 0 9 2 0 8 . 0 _ M _ - _ _ 2 2 . 6 A _	351.0	200L
	88	10.98	2208	1.28	43531	1 1 .		
	79	12.30	2477	1.20	44151	1 2 .		
	70	13.81	2786	1.12	44971	1 4 .		
	58	16.68	3218	0.95	49000	1 6 .		
	55	17.79	3559	0.96	46500	1 8 .		
	49	19.88	3941	0.90	47200	2 0 .		
	122	7.95	1618	2.38	57928	C 1 0 2 0 8 . 0 _ M _ - _ _ 2 2 . 6 A _	461.0	200L
	87	11.11	2253	2.25	61468	1 1 .		
	80	12.08	2444	2.14	62446	1 2 .		
	71	13.72	2774	1.97	64168	1 4 .		
	58	16.63	3263	1.69	68646	1 6 .		
	54	17.87	3587	1.68	67648	1 8 .		
	50	19.29	3868	1.60	69033	2 0 .		
	42	23.23	4513	1.32	73635	2 2 .		
	38	25.27	4903	1.24	75020	2 5 .		
	34	28.70	5545	1.13	76982	2 8 .		
	30	31.85	6292	1.17	73980	3 2 .		
	26	37.38	7152	0.92	81000	3 8 .		
	24	40.36	7713	0.86	82200	4 0 .		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

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 *	184	7.97	1455	1.46	38882	C 0 9 2 0 8 . 0 _ M _ - _ _ 3 0 . 4 A _	374.0	200L
	134	10.98	1994	1.21	40464	1 1 .		
	119	12.30	2243	1.13	40923	1 2 .		
*	106	13.81	2505	1.06	41738	1 4 .		
	89	16.68	2903	0.90	45200	1 6 .		
	83	17.79	3212	0.91	43200	1 8 .		
*								
	185	7.95	1458	2.56	53641	C 1 0 2 0 8 . 0 _ M _ - _ _ 3 0 . 4 A _	484.0	200L
	132	11.11	2035	2.11	56991	1 1 .		
	122	12.08	2213	2.01	57911	1 2 .		
*	107	13.72	2508	1.87	59508	1 4 .		
	88	16.63	2946	1.61	63611	1 6 .		
	82	17.87	3254	1.59	62723	1 8 .		
	76	19.29	3504	1.52	64032	2 0 .		
	63	23.23	4100	1.31	67858	2 2 .		
	58	25.27	4454	1.24	68411	2 5 .		
	51	28.70	5043	1.13	69042	2 8 .		
	46	31.85	5721	1.12	65453	3 2 .		
	39	37.38	6520	0.93	71200	3 6 .		
	36	40.36	7026	0.88	72200	4 0 .		
	34	43.65	7767	0.92	67400	4 5 .		
	30	48.51	8605	0.84	68000	5 0 .		
6 POLE								
	122	7.97	2187	1.15	39800	C 0 9 2 0 8 . 0 _ M _ - _ _ 3 0 . 6 A _	422.0	225M
	89	10.98	2998	0.95	40900	1 1 .		
	79	12.30	3361	0.88	41200	1 2 .		
	71	13.81	3752	0.83	41700	1 4 .		
	123	7.95	2195	1.75	56400	C 1 0 2 0 8 . 0 _ M _ - _ _ 3 0 . 6 A _	532.0	225M
	88	11.11	3056	1.66	59300	1 1 .		
	81	12.08	3315	1.57	60100	1 2 .		
	71	13.72	3764	1.48	61500	1 4 .		
	59	16.63	4426	1.25	66300	1 6 .		
	55	17.87	4886	1.24	64200	1 8 .		
	51	19.29	5247	1.18	65300	2 0 .		
	42	23.23	6123	0.98	70400	2 2 .		
	39	25.27	6651	0.91	71500	2 5 .		
	34	28.70	7523	0.83	73000	2 8 .		
	31	31.85	8537	0.86	67900	3 2 .		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

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
*	185	7.97	1789	1.18	37570	C 0 9 2 0 8 . 0 _ M _ - _ _ 3 7 . 4 A _	413.0	225S
	134	10.98	2451	0.99	38941	1 1 .		
	120	12.30	2757	0.92	39200	1 2 .		
	107	13.81	3079	0.86	39800	1 4 .		
*	186	7.95	1792	2.08	52735	C 1 0 2 0 8 . 0 _ M _ - _ _ 3 7 . 4 A _	529.0	225S
	133	11.11	2502	1.72	55735	1 1 .		
	122	12.08	2720	1.64	56552	1 2 .		
	108	13.72	3083	1.52	57964	1 4 .		
*	89	16.63	3621	1.31	62252	1 6 .		
	83	17.87	4000	1.29	60705	1 8 .		
	76	19.29	4308	1.24	61870	2 0 .		
	63	23.23	5039	1.07	65964	2 2 .		
	58	25.27	5475	1.01	66352	2 5 .		
	51	28.70	6199	0.92	66700	2 8 .		
	48	31.85	7032	0.91	61900	3 2 .		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

NOTE

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

45.0 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
185	7.97	2175	0.97	36300	C 0 9 2 0 8 . 0 _ M _ - _ _ 4 5 . 4 A _	431.0	225M
134	10.98	2982	0.81	37200	1 1 .		
186	7.95	2179	1.71	51700	C 1 0 2 0 8 . 0 _ M _ - _ _ 4 5 . 4 A _	541.0	225M
133	11.11	3043	1.41	54300	1 1 .		
122	12.08	3308	1.35	55000	1 2 .		
108	13.72	3750	1.25	56200	1 4 .		
89	16.53	4405	1.07	60700	1 6 .		
83	17.87	4885	1.06	58400	1 8 .		
76	19.29	5239	1.02	59400	2 0 .		
63	23.23	6129	0.86	63800	2 2 .		
58	25.27	6859	0.83	64000	2 5 .		

*For mounting positions W,X & Y consult with Power Build Limited Application Engineers (speed limited)

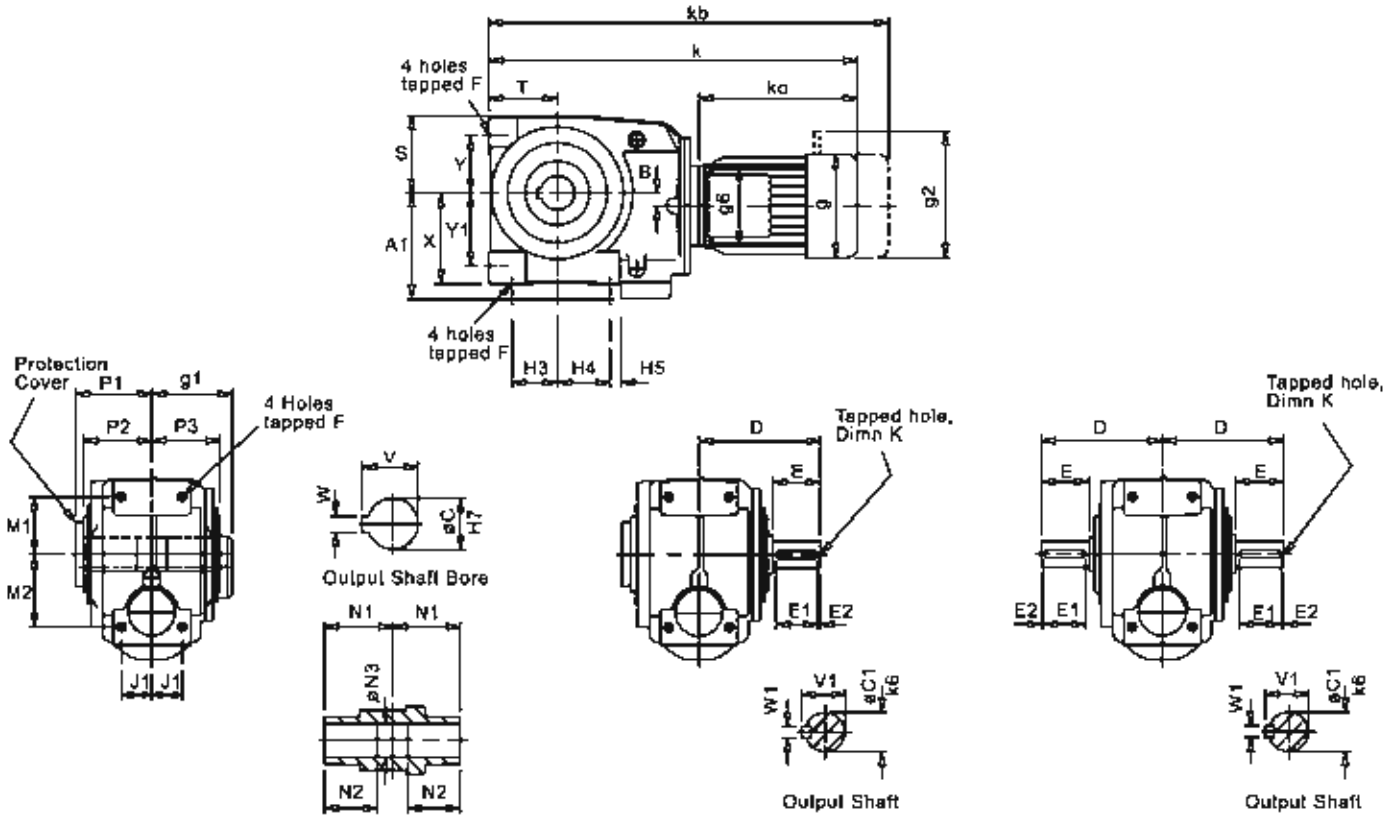
NOTE

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

DIMENSIONS DOUBLE REDUCTION

C	0		2	0				W	M

STANDARD UNIT DOUBLE REDUCTION



SIZE	A1	B	C	C1	D	E	E1	E2	F	H3	H4	H5	J1	K
C0320	79.5	5.3	20	20	100	35	31	3	M8x1.25, 15 deep	35	28	15.5	27	M8x1.0, 16 deep
C0420	93	15	30	25	115	46	42	3	M10x1.5, 20 deep	35	45	11	28	M10x1.5, 22 deep
C0520	112	13	35	30	134	60	53	3	M10x1.5, 18 deep	45	55	12	34	M10x1.5, 22 deep
C0620 Std	139.5	17	45	35	160	63	55	3	M12x1.75, 20 deep	56	66	13	40	M12x1.75, 22 deep
C0620 HD	139.5	17	45	45	195	98	80	5	M12x1.75, 20 deep	56	66	13	40	M16x2.0, 36 deep

SIZE	M1	M2	N1	N2	N3	P1	P2	P3	S	T	V	V1	W	W1	X	Y	Y1
C0320	40	40	62	52	20.2	70	61	57	68	54	22.9	22.5	6	6	71	40	40
C0420	53	65	65	54	30.2	74.5	65.5	65	75	64	33.5	28	8	8	86	53	65
C0520	65	77	70	56	35.3	79	70	70	88	68	38.5	33	10	8	96	65	77
C0620 Std	76	96	90	70	45.3	101	90	90.5	103	90	49	38	14	10	120	76	96
C0620 HD	76	96	90	70	45.3	101	90	90.5	103	90	49	48.5	14	14	120	76	96

MOTORS		ALL SIZES					C0320		C0420		C0520		C0620	
		ko	g	g1	g2	g6	k	kb	k	kb	k	kb	k	kb
MOTOR FRAME SIZE	63	185	122	101	160	140	361	403	381	423	400	442	461	503
	71	210	137	107	167	105	390	431	410	451	429	470	486	527
	80	230	158	118	190	120	425	475	445	495	464	514	508	558
	90S/L	270	177	149	218	140	475	534	495	554	514	573	555	614
	100/112*	340	197	159	238	160	553	621	573	641	592	610	669	737
	132	402	253	184	288	200	-	-	-	-	-	-	733	804

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

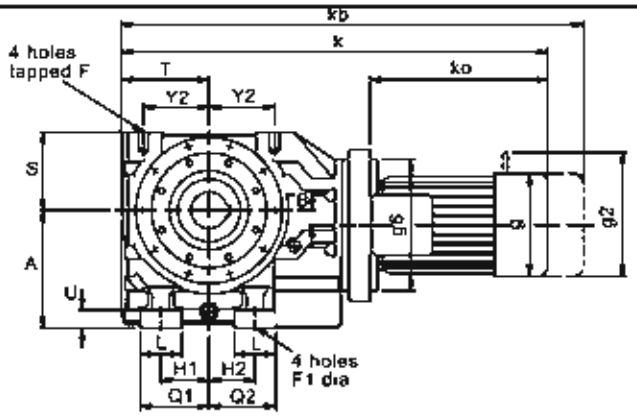
kb - for brake motor
g2 - hand release if required

* 112 Motor not available on size C0320

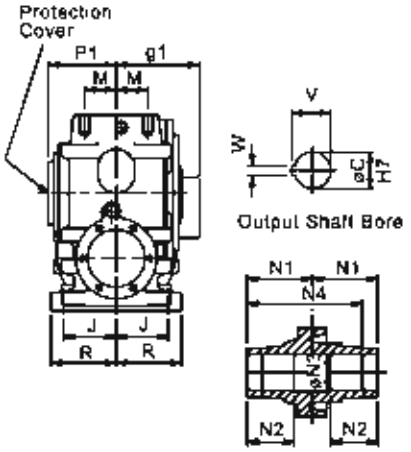
DIMENSIONS DOUBLE REDUCTION

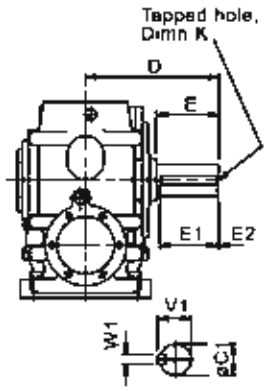
C			2	0				B	M

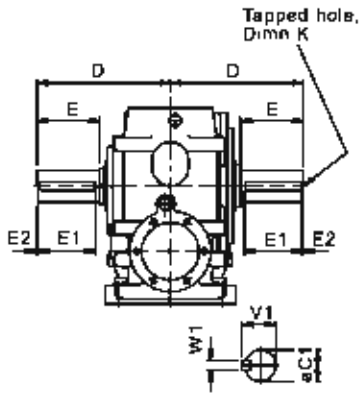
STANDARD UNIT DOUBLE REDUCTION



(Sizes C07, C08, C09 & C10 have integral base mounted feet)







SIZE	A	B	C	C1	D	E	E1	E2	F	F1	H1	H2	J	K
C0720	180	28	60	45 k6	195	76	70	3	M20x2.5, 34 deep	18	75	60	75	M16x2, 36 deep
C0820	225	28	70	60 m6	255	120	110	3	M20x2.5, 34 deep	22	92	88	100	M20x2.5, 42 deep
C0920	280	40	90	70 m6	295	135	125	3	M24x3, 45 deep	26	115	120	125	M20x2.5, 42 deep
C1020	335	65	100	90 m6	368	170	160	3	M24x3, 45 deep	26	170	140	150	M24x3, 50 deep

SIZE	L	M	N1	N2	N3	N4	P1	Q1	Q2	R	S	T	U	V	V1	W	W1	Y2
C0720	67	50	109	79	60.5	188	124.5	108.5	93.5	92.5	122	143	28	64.6	48.5	18	14	107.5
C0820	80	60	125	90	70.5	220	143	132	128	125	150	168	35	75.1	64	20	18	125
C0920	85	67.5	150	107.5	90.5	265	169	157.5	162.5	152.5	177	195	40	95.6	74.5	25	20	145
C1020	110	75	175	132.5	100.5	313	198	225	195	180	230	235	45	106.6	95	28	25	172.5

MOTORS		ALL SIZES				C0720			C0820			C0920			C1020		
		ko	g	g1	g2	g6	k	kb	g6	k	kb	g6	k	kb	g6	k	kb
MOTOR FRAME SIZE	80	230	158	118	190	120	617	667	200	700	750	200	783	833	-	-	-
	90S/L	270	177	149	218	140	667	726	200	740	799	200	823	882	-	-	-
	100/112	340	197	159	238	160	760	826	250	816	884	250	899	967	250	977	1045
	132	402	253	184	288	200	824	895	300	878	949	300	961	1032	300	1039	1110
	160/180	538	314	230	-	350	990	**	350	1044	**	350	1132	**	350	1210	**
	180L	613	354	257	-	-	-	-	-	-	-	350	1207	**	350	1285	**
	200	613	354	257	-	-	-	-	-	-	-	400	1207	**	400	1285	**
	225	690	411	280	-	-	-	-	-	-	-	450	1311	**	450	1389	**

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

kb - for brake motor

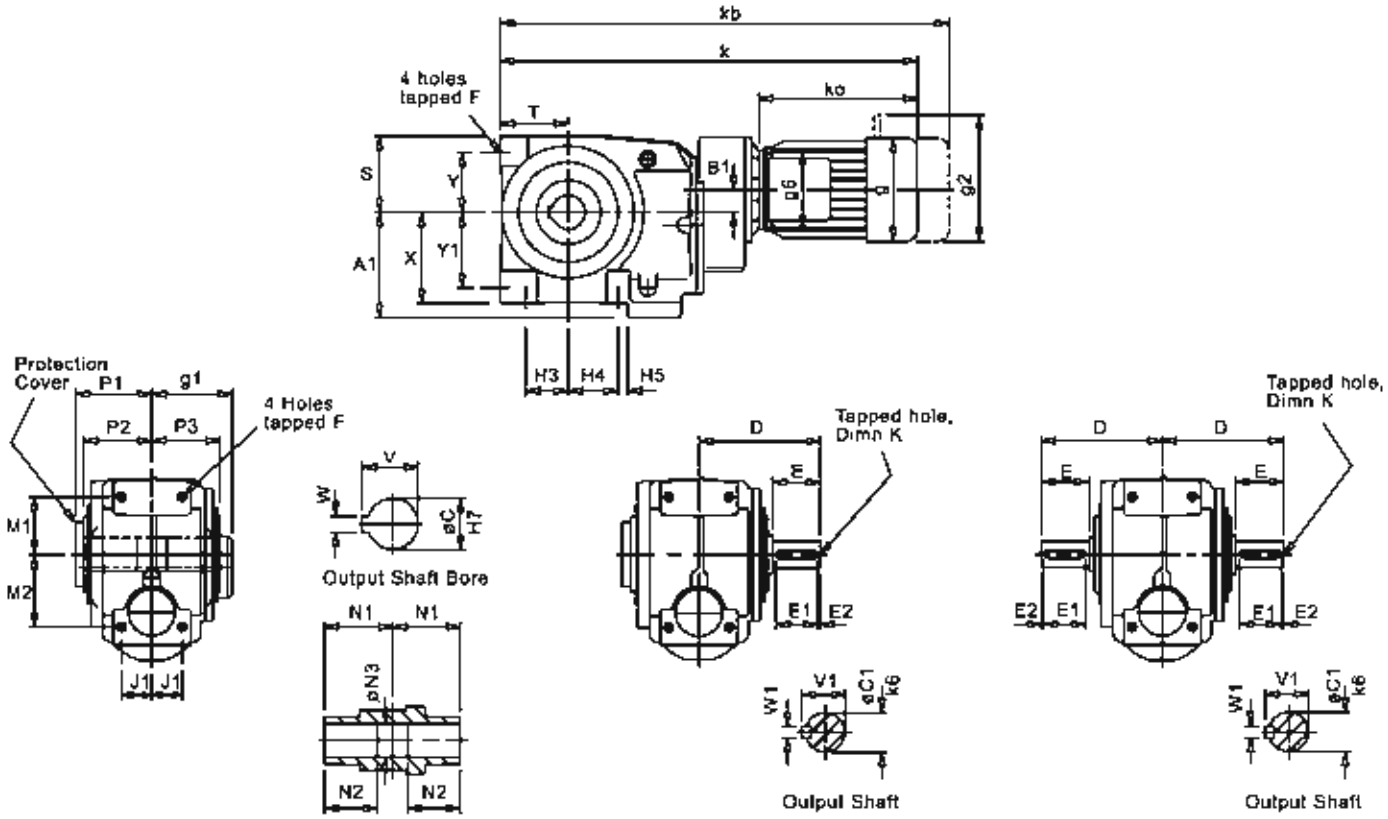
g2 - hand release if required

** Power Build Limited

DIMENSIONS TRIPLE REDUCTION

C	0		3	0				W	M

STANDARD UNIT TRIPLE REDUCTION



SIZE	A1	B1	C	C1	D	E	E1	E2	F	H3	H4	H5	J1	K
C0330	79.5	30.75	20	20	100	35	31	3	M8x1.25, 15 deep	35	28	15.5	27	M8x1.0, 16 deep
C0430	93	21.2	30	25	115	46	42	3	M10x1.5, 20 deep	35	45	11	28	M10x1.5, 22 deep
C0530	112	23	35	30	134	60	53	3	M10x1.5, 18 deep	45	55	12	34	M10x1.5, 22 deep
C0630 Std	139.5	30	45	35	160	63	55	3	M12x1.75, 20 deep	56	66	13	40	M12x1.75, 22 deep
C0630 HD	139.5	30	45	45	195	98	80	5	M12x1.75, 20 deep	56	66	13	40	M16x2.0, 36 deep

SIZE	M1	M2	N1	N2	N3	P1	P2	P3	S	T	V	V1	W	W1	X	Y	Y1
C0330	40	40	62	52	20.2	70	61	57	68	54	22.9	22.5	6	6	71	40	40
C0430	53	65	65	54	30.2	74.5	65.5	65	75	64	33.5	28	8	8	86	53	65
C0530	65	77	70	56	35.3	79	70	70	88	68	38.5	33	10	8	96	65	77
C0630 Std	76	96	90	70	45.3	101	90	90.5	103	90	49	38	14	10	120	76	96
C0630 HD	76	96	90	70	45.3	101	90	90.5	103	90	49	48.5	14	14	120	76	96

MOTORS		ALL SIZES					C0330		C0430		C0530		C0630	
		ko	g	g1	g2	g6	k	kb	k	kb	k	kb	k	kb
MOTOR FRAME SIZE	63	185	122	101	160	140	417	459	437	479	443	485	522	564
	71	210	137	107	167	105	446	487	466	507	485	526	551	592
	80	230	158	118	190	120	-	-	500	550	520	570	586	636
	90S/L	270	177	149	218	140	-	-	-	-	-	-	636	695
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

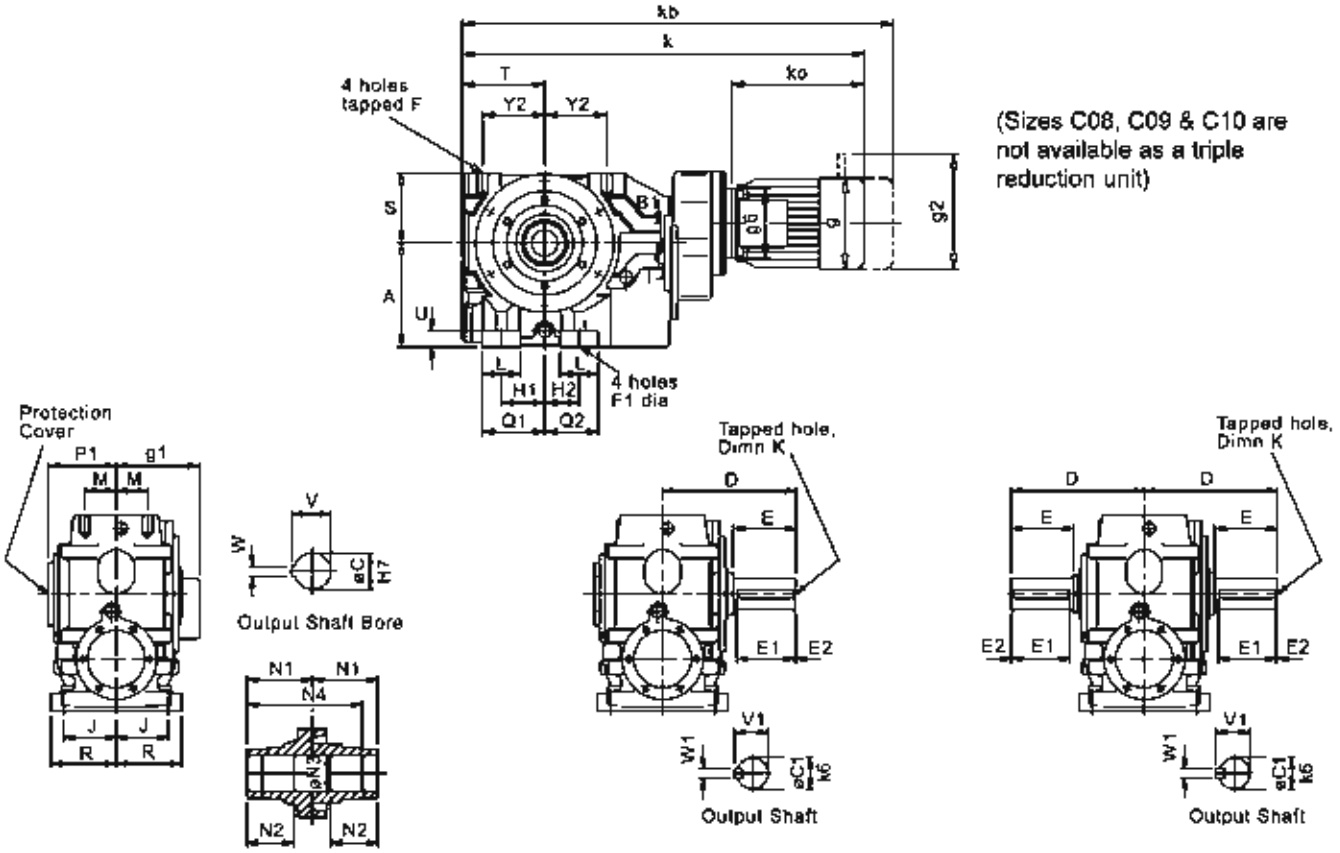
kb - for brake motor
g2 - hand release if required

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

DIMENSIONS TRIPLE REDUCTION

C	0	7	3	0				B	M

STANDARD UNIT TRIPLE REDUCTION



SIZE	A	B1	C	C1	D	E	E1	E2	F	F1	H1	H2	J	K
C0730	180	34	60	45	195	76	70	3	M20x2.5, 34 deep	18	75	60	75	M16x2, 36 deep

SIZE	L	M	N1	N2	N3	N4	P1	Q1	Q2	R	S	T	U	V	V1	W	W1	Y2
C0730	67	50	109	79	60.5	189	124.5	108.5	93.5	92.5	122	143	28	64.6	48.5	18	14	107.5

MOTORS		C0730						
		ko	g	g1	g2	g6	k	kb
MOTOR FRAME SIZE	63	185	122	101	160	140	649	691
	71	210	137	107	167	105	677	718
	80	230	158	118	190	120	697	747
	90S/L	270	177	149	216	140	746	805
	100	340	197	159	238	160	860	928

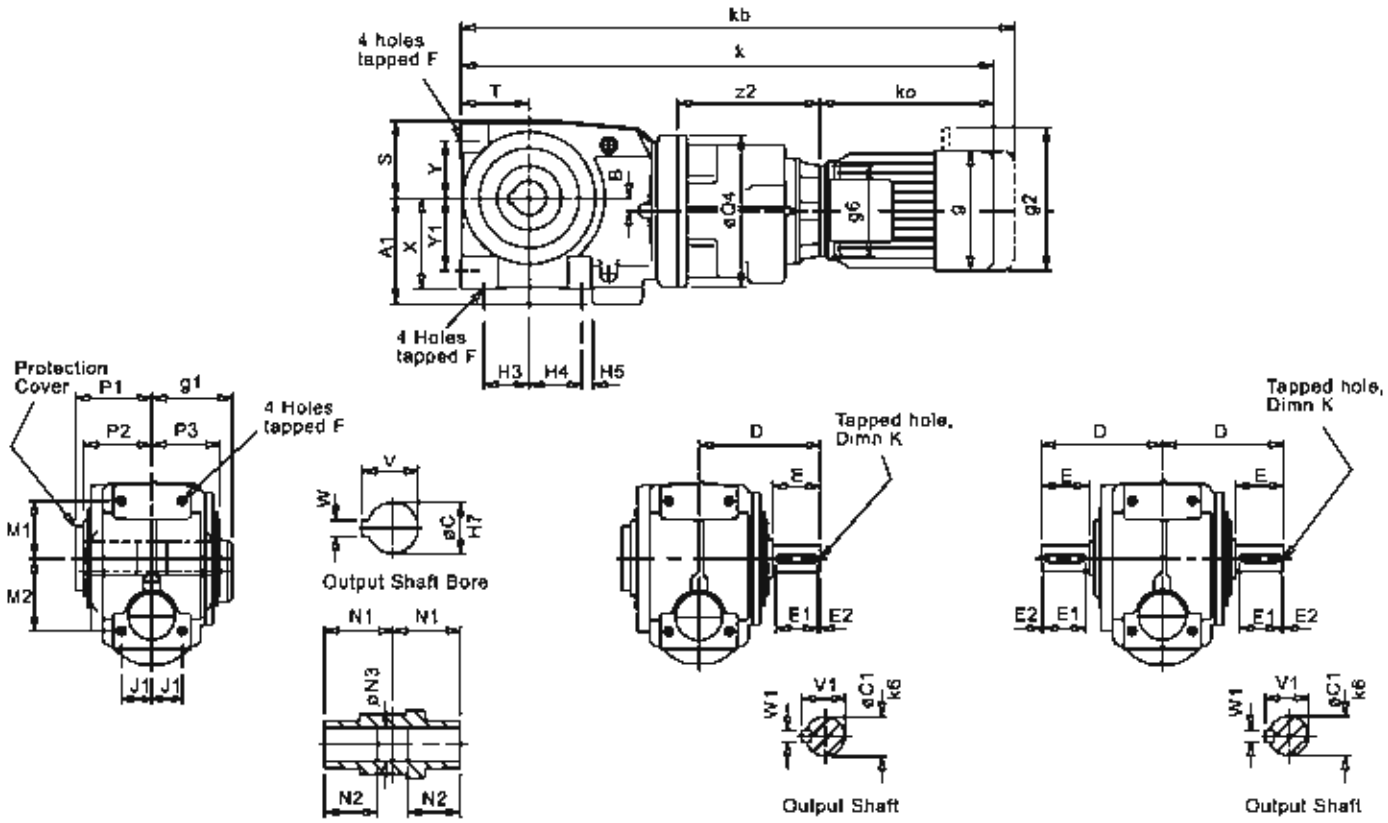
kb - for brake motor
g2 - hand release if required

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

DIMENSIONS QUADRUPLE REDUCTION

C	0	6	4	0				W	M

STANDARD UNIT QUADRUPLE REDUCTION



SIZE	A1	B	C	C1	D	E	E1	E2	F	H3	H4	H5	J1	K
C0640 Std	139.5	17	45	35	160	63	55	3	M12x1.75, 20 deep	56	66	13	40	M12x1.75, 22 deep
C0640 HD	139.5	17	45	45	195	98	80	5	M12x1.75, 20 deep	56	66	13	40	M16x2.0, 36 deep

SIZE	M1	M2	N1	N2	N3	P1	P2	P3	Q4	S	T	V	V1	W	W1	X	Y	Y1
C0640 Std	76	96	90	70	45.3	101	90	90.5	200	103	90	49	38	14	10	120	76	96
C0640 HD	76	96	90	70	45.3	101	90	90.5	200	103	90	49	48.5	14	14	120	76	96

MOTORS		C0640							
		k	ko	kb	g	g1	g2	g6	z2
MOTOR FRAME SIZE	63	640	185	682	122	101	160	140	169
	71	669	210	710	137	107	167	105	173
	80	704	230	754	158	118	190	120	188
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-

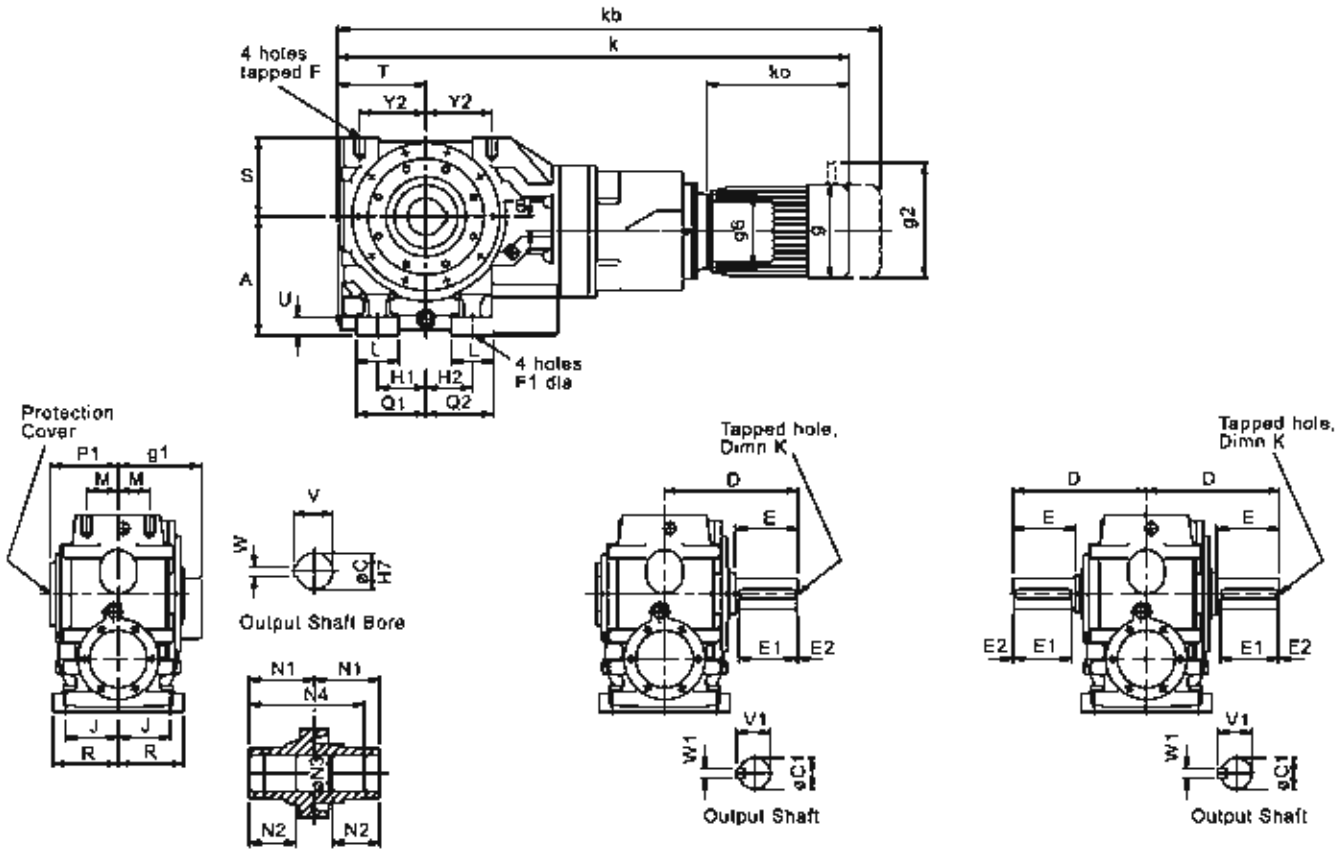
kb - for brake motor
g2 - hand release if required

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

DIMENSIONS QUADRUPLE REDUCTION

C			4	0				B	M

STANDARD UNIT QUADRUPLE REDUCTION



SIZE	A	B	C	C1	D	E	E1	E2	F	F1	H1	H2	J	K
C0740	180	26	60	45 k6	195	76	70	3	M20x2.5, 34 deep	18	75	60	75	M16x2, 36 deep
C0840	225	28	70	60 m6	255	120	110	3	M20x2.5, 34 deep	22	92	88	100	M20x2.5, 42 deep
C0940	280	40	90	70 m6	295	135	125	3	M24x3, 45 deep	26	115	120	125	M20x2.5, 42 deep
C1040	335	65	100	90 m6	366	170	160	3	M24x3, 45 deep	26	170	140	150	M24x3, 50 deep

SIZE	L	M	N1	N2	N3	N4	P1	Q1	Q2	R	S	T	U	V	V1	W	W1	Y2
C0740	67	50	109	79	60.5	189	124.5	108.5	93.5	92.5	122	143	28	64.6	48.5	18	14	107.5
C0840	80	60	125	90	70.5	220	143	132	128	125	150	168	35	75.1	64	20	18	125
C0940	85	67.5	150	107.5	90.5	265	169	157.5	162.5	152.5	177	195	40	95.6	74.5	25	20	145
C1040	110	75	175	132.5	100.5	313	198	225	195	180	230	235	45	106.6	95	28	25	172.5

MOTORS		ALL SIZES					C0740		C0840		C0940		C1040	
		ko	g	g1	g2	g6	k	kb	k	kb	k	kb	k	kb
MOTOR FRAME SIZE	63	185	122	101	160	140	751	793	871	913	954	996	-	-
	71	210	137	107	167	105	780	821	902	943	985	1026	-	-
	80	230	156	118	190	120	-	-	922	972	1005	1055	1136	1186
	90S/L	270	177	149	218	140	-	-	971	1030	1054	1113	1186	1245
	100/112	340	197	159	238	160	-	-	-	-	1168	1238	1279	1347
		-	-	-	-	-	-	-	-	-	-	-	-	-

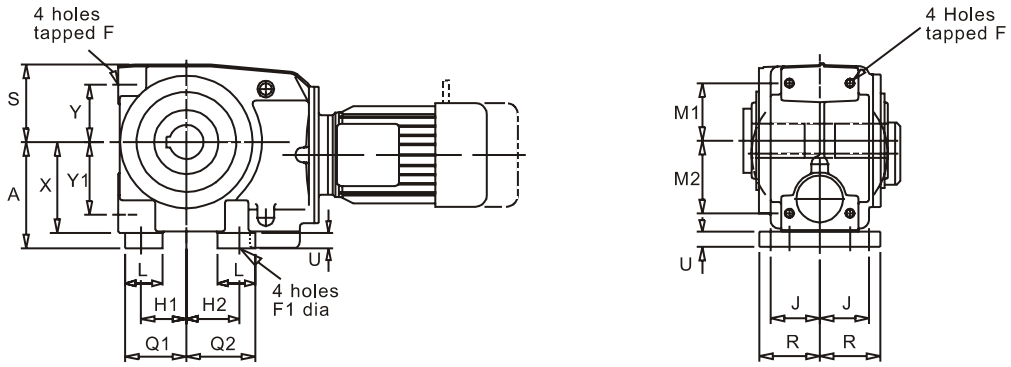
kb - for brake motor
g2 - hand release if required

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

DIMENSIONS - FEET

C	0			0				B	M

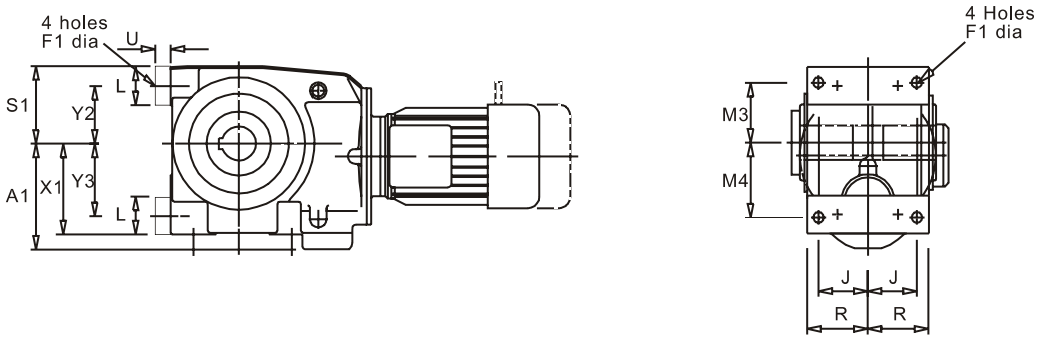
STANDARD UNIT WITH BASE MOUNTED FEET



SIZE	A	F	F1	H1	H2	J	L	M1	M2	Q1	Q2	R	S	U	X	Y	Y1
C03	80	M8 x 1.25, 15 Deep	9	35	28	45	25	40	40	47	41	55	68	9	71	40	40
C04	100	M10 x 1.5, 20 Deep	11	35	45	50	35	53	65	53	62	62	75	14	86	53	65
C05	112	M10 x 1.5, 18 Deep	11	45	55	55	40	65	77	65	75	68	88	16	96	65	77
C06 Std	140	M12 x 1.75, 20 Deep	14	60	70	65	50	76	96	81	91	80	103	20	120	76	96
C06 HD	140	M12 x 1.75, 20 Deep	14	60	70	65	50	76	96	81	91	80	103	20	120	76	96

C	0			0				E	M

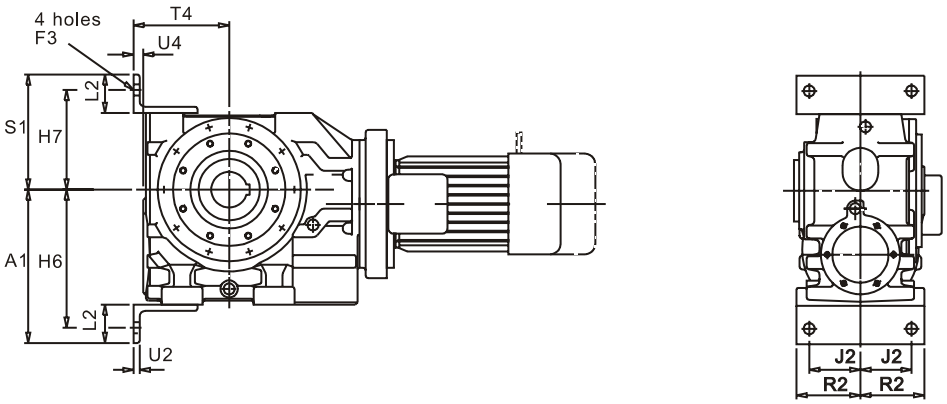
STANDARD UNIT WITH END MOUNTED FEET



SIZE	A1	F1	J	L	M3	M4	R	S1	U	X1	Y2	Y3
C03	79.5	9	45	25	40	40	55	52.5	9	52.5	40	40
C04	93	11	50	35	53	65	62	70.5	14	82.5	53	65
C05	112	11	55	40	65	77	68	85	16	97	65	77
C06 Std	139.5	14	65	50	80	100	80	101	20	121	80	100
C06 HD	139.5	14	65	50	80	100	80	101	20	121	80	100

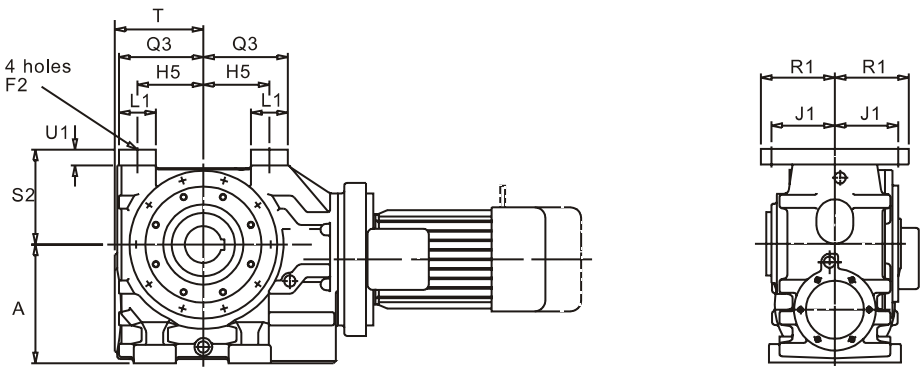
DIMENSIONS - FEET

C | | | | 0 | | | | E | M — STANDARD UNIT WITH END MOUNTED FEET



SIZE	A1	F3	H6	H7	J2	L2	R2	S1	T4	U2	U4
C07	255	22	225	167	85	75	110	197	162	12	19
C08	300	22	270	195	100	75	125	225	187	12	19
C09	370	26	330	227	125	90	152.5	267	220	15	25
C10	425	26	385	280	150	90	180	320	260	15	25

C | | | | 0 | | | | R | M — STANDARD UNIT WITH TOP MOUNTED FEET

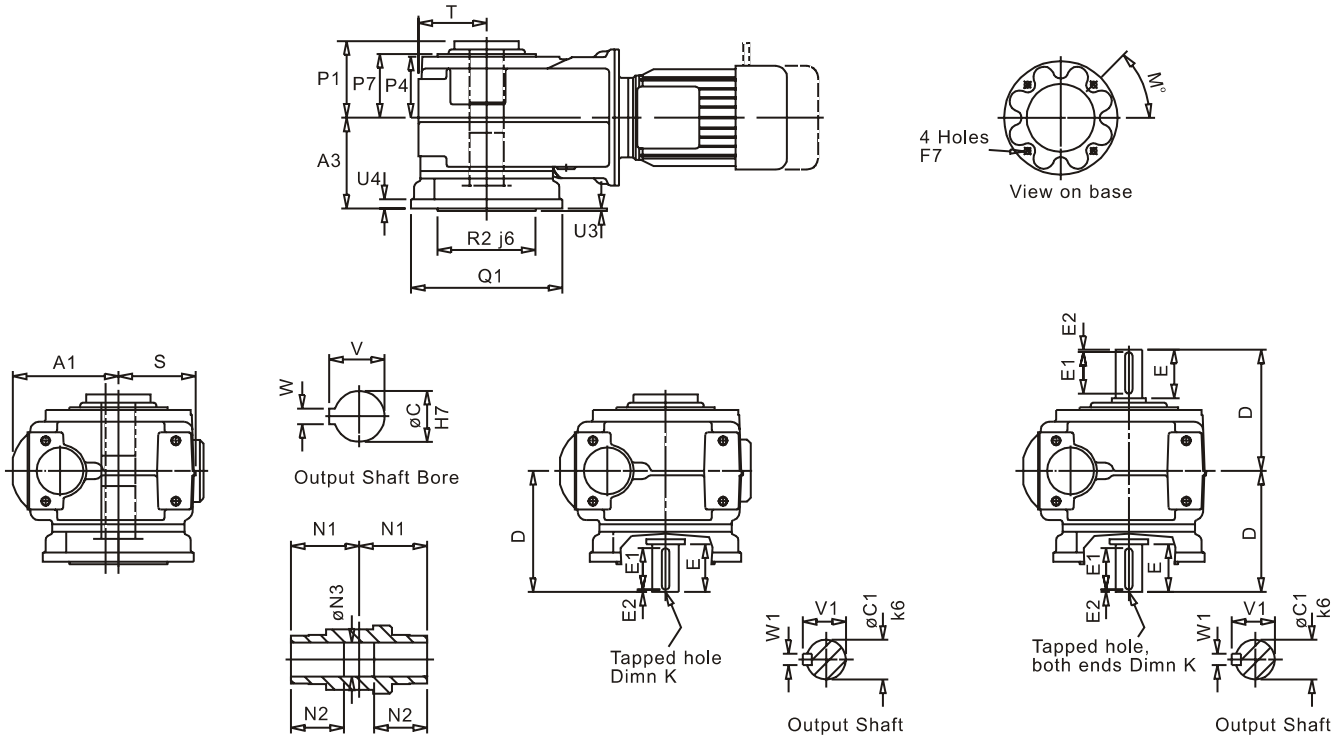


SIZE	A	F2	H5	J1	L1	Q3	R1	S2	T	U1
C07	180	24	107.5	102.5	63	139	128	150	143	28
C08	225	24	125	112.5	70	160	140	180	168	30
C09	280	28	145	120	80	185	150	212	195	35
C10	335	28	172.5	132.5	100	222.5	165	265	235	35

DIMENSIONS - OUTPUT FLANGE

C	0			0				F / G	M

— STANDARD UNIT WITH OUTPUT FLANGE
— OUTPUT FLANGE REDUCED DIA (SIZE C03 ONLY)



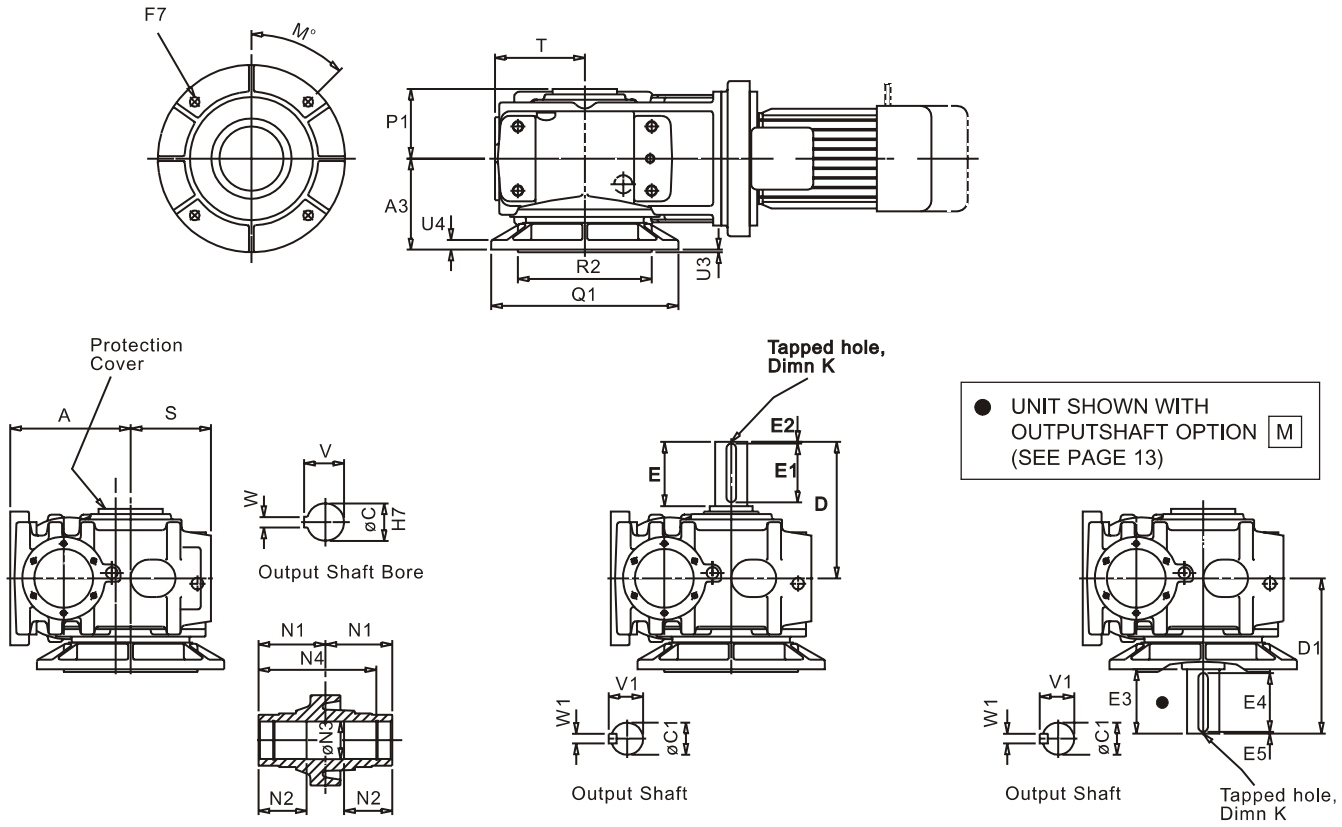
SIZE	A1	A3	C	C1	D	E	E1	E2	F7	K	M	N1	N2
C03	79.5	75	20	20	100	35	31	3	ø9 on 130 pcd	M6x1.0, 16 deep	45	62	52
C03 Red Dia	79.5	75	20	20	100	35	31	3	ø6.6 on 100 pcd	M6x1.0, 16 deep	45	62	52
C04	93	86	30	25	115	46	42	3	ø9 on 130 pcd	M10x1.5, 22 deep	45	65	54
C05	112	107	35	30	134	60	53	3	ø11 on 165 pcd	M10x1.5, 22 deep	45	70	56
C06 Std	139.5	120	45	35	160	63	55	3	ø11 on 165 pcd	M12x1.75, 22 deep	45	90	70
C06 HD	139.5	120	45	45	195	98	80	5	ø11 on 165 pcd	M16x2.0, 36 deep	45	90	70

SIZE	N3	P1	P4	P7	Q1	R2	S	T	U3	U4	V	V1	W	W1
C03	20.2	70	61	62	160	110	68	54	4	10	22.9	22.5	6	6
C03 Red Dia	20.2	70	61	62	120	80	68	54	3	8	22.9	22.5	6	6
C04	30.2	74.5	62.5	65.5	160	110	75	64	3.5	10	33.5	28	8	8
C05	35.3	79	62.5	66	200	130	88	68	3.5	12	38.5	33	10	8
C06 Std	45.3	101	80.5	86.5	200	130	103	90	3.5	12	49	38	14	10
C06 HD	45.3	101	80.5	86.5	200	130	103	90	3.5	12	49	48.5	14	14

DIMENSIONS - OUTPUT FLANGE

C				0				F	M

STANDARD UNIT WITH OUTPUT FLANGE



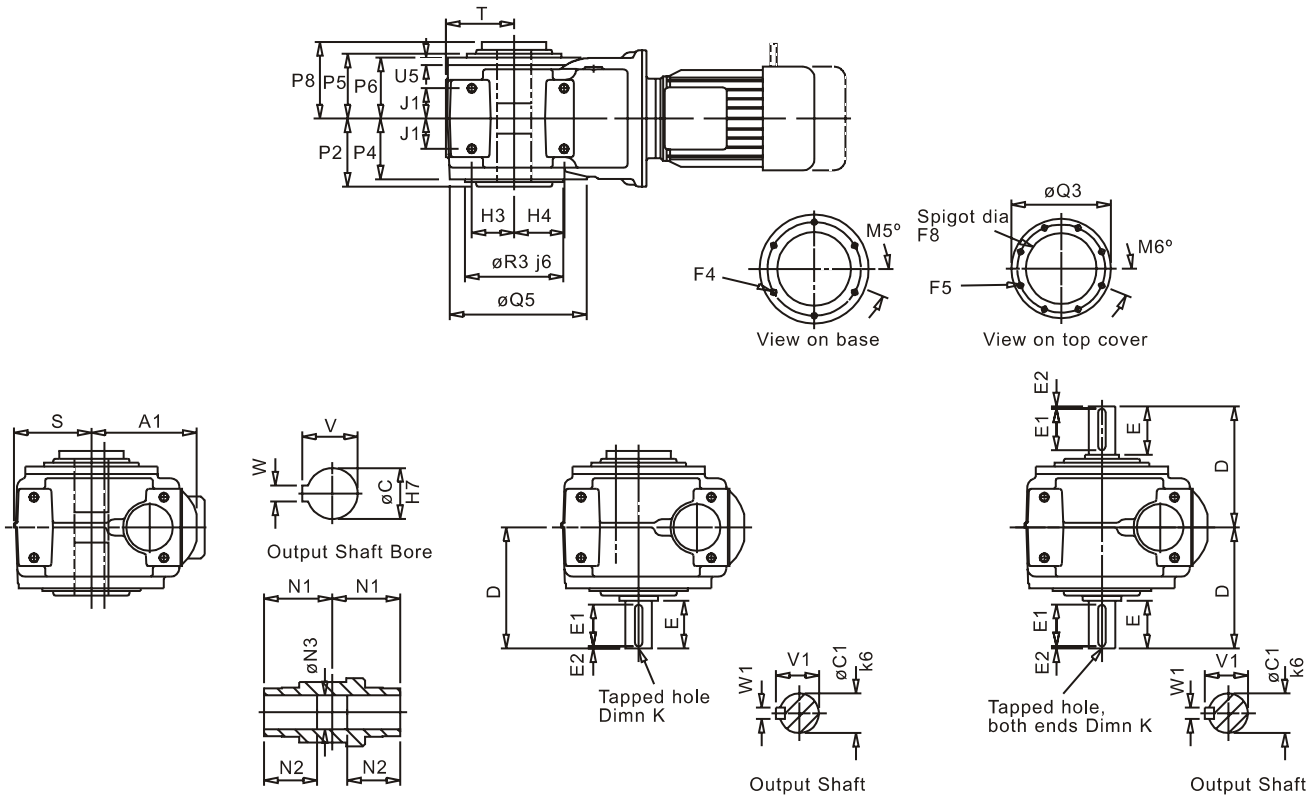
SIZE	A	A3	C	C1	D	D1	E	E1	E2	E3	E4	E5	F7	K
C07	180	145	60	45 k6	195	235	76	70	3	90	84	3	4 x ø14 on 215 pcd	M16x2, 36 deep
C08	225	170	70	60 m6	255	290	120	110	3	120	110	3	4 x ø18 on 300 pcd	M20x2.5, 42 deep
C09	280	200	90	70 m6	295	340	135	125	3	140	125	3	8 x ø18 on 400 pcd	M20x2.5, 42 deep
C10	335	232	100	90 m6	366	402	170	160	3	170	160	3	8 x ø18 on 400 pcd	M24x3, 50 deep

SIZE	M	N1	N2	N3	N4	P1	Q1	R2	S	T	U3	U4	V	V1	W	W1
C07	45	109	79	60.5	188	124.5	250	180 j6	122	143	4	12	64.6	48.5	18	14
C08	45	125	90	70.5	220	143	350	250 h6	150	168	5	18	75.1	64	20	18
C09	22.5	150	107.5	90.5	265	169	450	350 h6	177	195	5	20	95.6	74.5	25	20
C10	22.5	175	132.5	100.5	313	198	450	350 h6	230	235	5	22	106.6	95	28	25

DIMENSIONS - C FACE MOUNTING

C	0			0				W	M

STANDARD UNIT WITH C FACE MOUNTING



SIZE	A1	C	C1	D	E	E1	E2	F4	F5	F8 Spigot ø	H3	H4
C03	79.5	20	20	100	35	31	3	4 holes tapped M8x1.25 12 deep on 75 pcd	4 holes through 8 thick cover tapped M8x1.25, 14 deep into case, 90 pcd	69.990 / 69.969	35	28
C04	93	30	25	115	46	42	3	4 holes tapped M8x1.25 14 deep on 115 pcd	8 holes through 8 thick cover tapped M8x1.25, 14 deep into case, 107 pcd	84.990 / 84.968	35	45
C05	112	35	30	134	60	53	3	6 holes tapped M8x1.25 12 deep on 130 pcd	8 holes through 8 thick cover tapped M8x1.25, 14 deep into case, 130 pcd	104.990 / 104.968	45	55
C06 Std	139.5	45	35	160	63	55	3	6 holes tapped M10x1.5 17 deep on 165 pcd	8 holes through 10 thick cover tapped M10x1.5, 17 deep into case, 155 pcd	124.990 / 124.965	56	66
C06 HD	139.5	45	45	195	98	80	5	6 holes tapped M10x1.5 17 deep on 165 pcd	8 holes through 10 thick cover tapped M10x1.5, 17 deep into case, 155 pcd	124.990 / 124.965	56	66

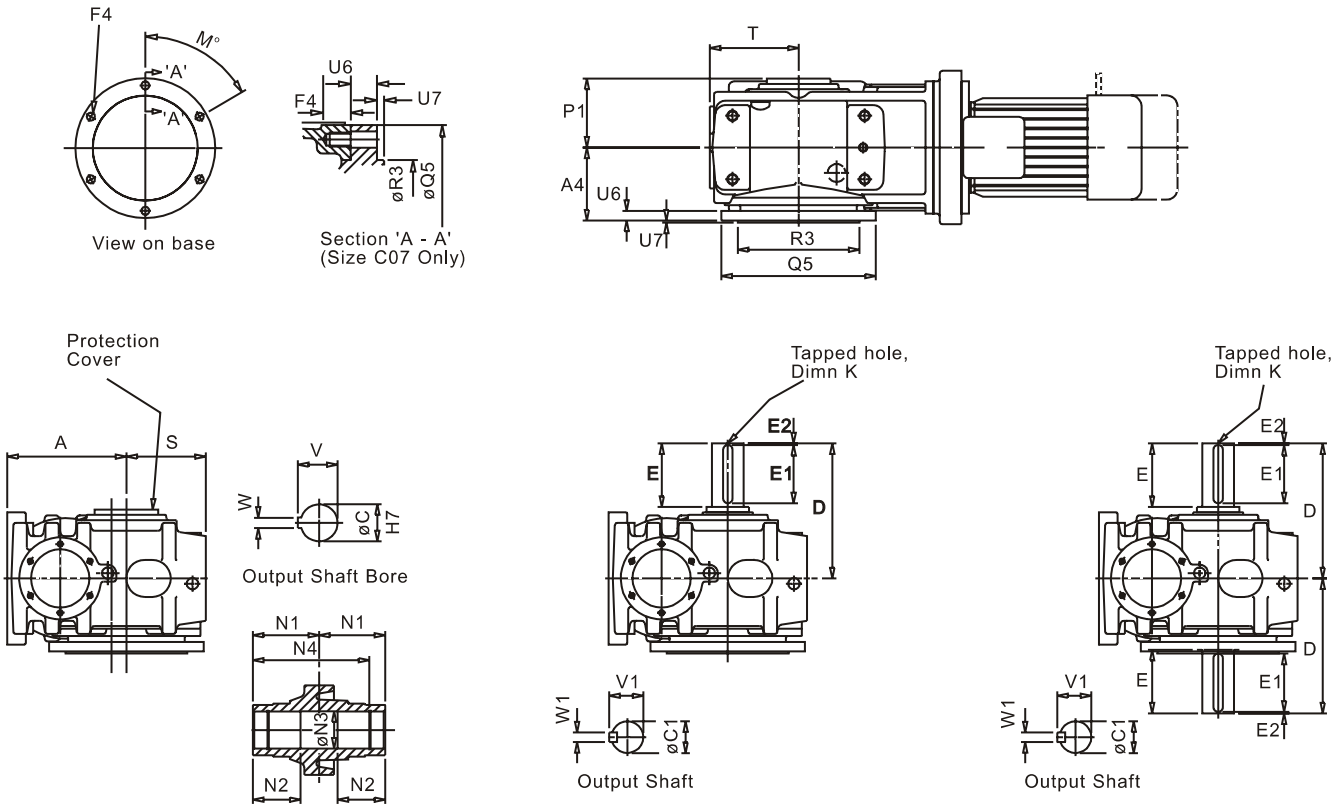
SIZE	J1	K	M5	M6	N1	N2	N3	P2	P4	P5	P6	P8	Q3	Q5	R3	S	T	U5	V	V1	W	W1
C03	27	M6x1.0 16 deep	90	45	62	52	20.2	61	61	61	57	70	106	92	*	68	54	8	22.9	22.5	6	6
C04	28	M10x1.5 22 deep	45	22.5	65	54	30.2	65.5	62.5	61	57	72	122	135	95	75	64	8	33.5	28	8	8
C05	34	M10x1.5 22 deep	30	22.5	70	56	35.3	70	62.5	66	62	79	146	152	110	88	68	8	38.5	33	10	8
C06 Std	40	M12x1.75 22 deep	30	22.5	90	70	45.3	90	80.5	85.5	80.5	101	175	192	130	103	90	10	49	38	14	10
C06 HD	40	M16x2.0 36 deep	30	22.5	90	70	45.3	90	80.5	85.5	80.5	101	175	192	130	103	90	10	49	48.5	14	14

* Size C0320 does not have a spigot, therefore no R3 dimension required

DIMENSIONS - C FACE MOUNTING

C				0				L	M

STANDARD UNIT WITH C FACE MOUNTING



SIZE	A	A4	C	C1	D	E	E1	E2	F4	K
C07	180	93.5	60	45 k6	195	76	70	3	●6 holes tapped M12x1.75 18 deep on 215 pcd	M16x2, 36 deep
C08	225	138	70	60 m6	255	120	110	3	8 holes tapped M12x1.75 through flange on 265 pcd	M20x2.5, 42 deep
C09	280	168	90	70 m6	295	135	125	3	8 holes tapped M16x2 through flange on 350 pcd	M20x2.5, 42 deep
C10	335	190	100	90 m6	366	170	160	3	8 holes tapped M16x2 through flange on 400 pcd	M24x3, 50 deep

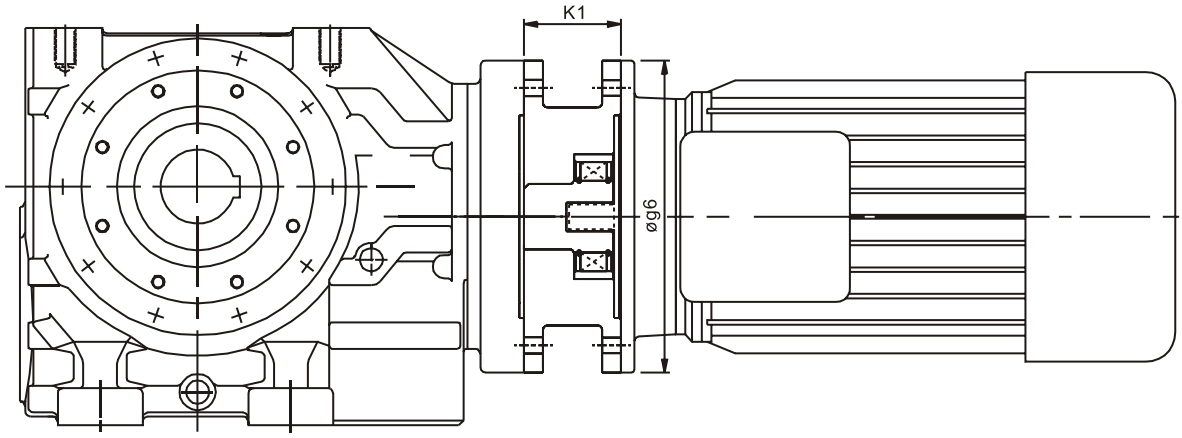
SIZE	M	N1	N2	N3	N4	P1	Q5	R3	S	T	U6	U7	V	V1	W	W1
C07	60	109	79	60.5	188	124.5	240	180 j6	122	143	18.5	10	64.6	48.5	18	14
C08	60	125	90	70.5	220	143	292	230 j6	150	168	18	4	75.1	64	20	18
C09	45	150	107.5	90.5	265	169	384	300 h6	177	195	24	4	95.6	74.5	25	20
C10	45	175	132.5	100.5	313	198	440	350 h6	230	235	23.5	6	106.6	95	28	25

● For size C07 only refer to Section A - A

MOTORISED BACKSTOP MODULE

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

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



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

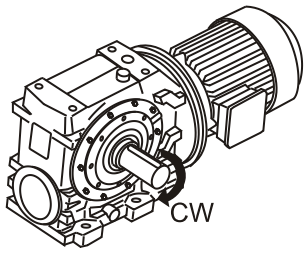
IEC B5 FLANGE

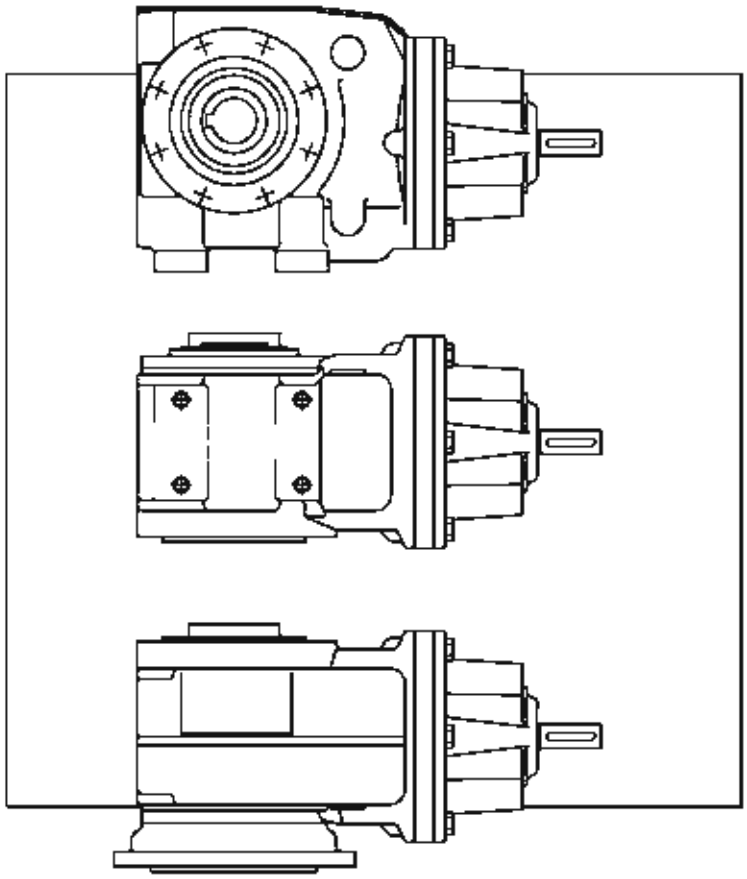
Motor Frame Size	Lift off Speed ('n' min) (rev/min)	Rated Locking Torque ('T max') (at motor) (Nm)	øg6	K1
100	670	170	250	70
112	670	170	250	70
132	620	940	300	95
160	620	940	350	130
180	620	940	350	130
200	550	1260	400	130

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 C

POWER BUILD LIMITED

OVERHUNG & AXIAL LOADS (NEWTONS) ON SHAFTS

Maximum permissible overhung loads

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

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavourable direction with the unit transmitting full rated power and the load P applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to 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.

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

Overhung load (Newtons)

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

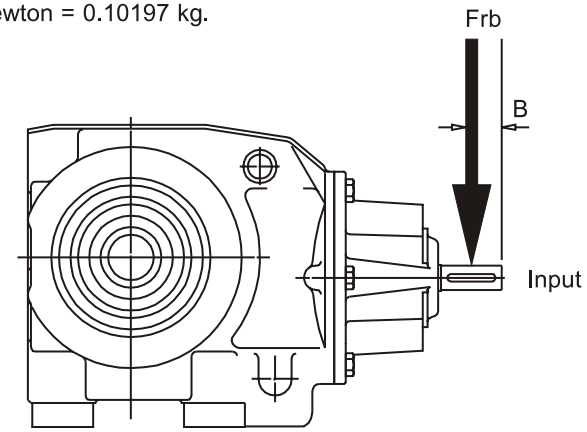
where

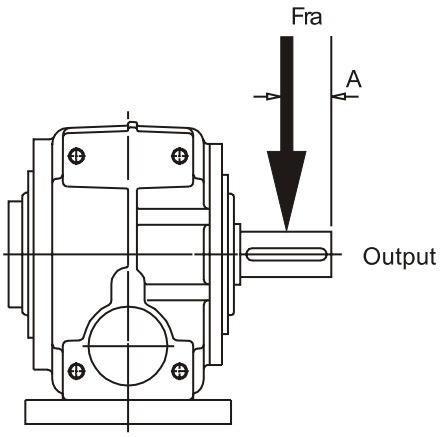
P	=	equivalent overhung load (Newtons)
kW	=	power transmitted by the shaft (kilowatts)
N	=	speed of shaft (rpm)
R	=	pitch radius of sprocket, etc. (mm)
K	=	factor

Note: 1 Newton = 0.10197 kg.

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.





Distance midway along the shaft extension

Size of unit	No. of Reductions	Dimension A (mm)	Dimension B (mm)
C03	2 - 3	17.5	20
C04	2 - 3	23	20
C05	2 - 3	30	20
C06 (Standard)	2 - 4	31.5	20
C06 (Heavy Duty)	2 - 4	40	20
C07	2	38	25
C07	3 - 4	38	20
C08	2	60	30
C08	4	60	20
C09	2	67.5	40
C09	4	67.5	20
C10	2	85	55
C10	4	85	25

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

		Final Reduction Worm Ratio	OUTPUT SPEED REV/MIN								
			180	125	80	50	32	25	10	5	1 & Under
C0320 - C0330	OHL (Fra)		2820	2810	2800	2800	2790	2780	2780	2780	2780
	THRUST	10 : 1	4370	3560	2850	2400	2180	1970	1800	1690	1620
		20 : 1	4760	4760	4550	4200	3990	3750	3600	3540	3500
C0420 - C0430	OHL (Fra)		5280	5270	5270	5260	5260	5260	5260	5250	5240
	THRUST	10 : 1	6980	5680	4560	3830	3490	3150	2870	2700	2590
		20 : 1	7590	7590	7260	6700	6360	5970	5750	5640	2580
C0520 - C0530	OHL (Fra)		7440	7440	7440	7420	7420	7420	7410	7410	7410
	THRUST	10 : 1	6600	5380	4310	3620	3300	2980	2720	2560	2450
		20 : 1	7100	7100	6790	6260	5950	5590	5380	5270	5220
C0620 - C0630 (Std.)	OHL (Fra)		11700	11700	11600	11500	11500	11500	11500	11500	11500
	THRUST	10 : 1	11260	9170	7360	6180	5630	5090	4630	4360	4180
		20 : 1	12000	12000	11470	10590	10060	9440	9090	8910	8820
C0620 - C0630 (H. D.)	OHL (Fra)		9460	9410	9370	9320	9280	9190	9140	9110	9110
	THRUST	10 : 1	11260	9170	7360	6180	5630	5090	4630	4360	4180
		20 : 1	12000	12000	11470	10590	10060	9440	9090	8910	8820
C0720 - C0730	OHL (Fra)		20700	22700	24800	26900	26900	26900	26900	26900	26900
	THRUST	10 : 1	12400	10000	8100	6800	6200	5600	5100	4800	4600
		20 : 1	13600	13600	13000	12000	11400	10700	10300	10100	10000
C0820	OHL (Fra)		24000	26400	28400	32600	36400	41100	41700	41700	41700
	THRUST	10 : 1	15770	12850	10300	8650	7890	7120	6490	6100	5850
		20 : 1	17300	17300	16540	15260	14500	13610	13100	12850	12720
C0920	OHL (Fra)		36800	40300	42800	47300	53200	53200	53200	53200	53200
	THRUST	10 : 1	18140	14780	11850	9950	9070	8190	7460	7020	6730
		20 : 1	19900	19900	19020	17560	16680	15660	15070	14780	14630
C1020	OHL (Fra)		47800	52200	55300	62000	69400	79400	87200	87200	87200
	THRUST	10 : 1	18330	14930	11970	10050	9160	8280	7540	7100	6800
		20 : 1	20100	20100	19210	17740	16850	15810	15220	14930	14880

See page 7 for final reduction worm ratios

REDUCER OVERHUNG LOADS (Frb) ON INPUTSHAFT

AT 1450 rev/min

	RATIO	SIZE								
		C03	C04	C05	C06 (STD.)	C06 (H.D.)	C07	C08	C09	C10
DOUBLE REDUCTION UNIT	8.0	1360	1250	1160	2100	2100	1850	2830	3230	3850
	14.0	1390	1290	1200	2170	2170	1910	2940	3370	4090
	20.0	1400	1310	1210	2190	2190	1940	2970	3420	4140
	32.0	1420	1330	1230	2220	2220	1970	2980	3460	4170
	50.0	1440	1350	1240	2230	2210	1960	2960	3440	4130
	71.0	1460	1410	1280	2260	2190	1960	2900	3440	3880
	112.0	1460	1440	1340	2280	2240	2020	2250	3490	4220
	160.0	1510	1450	1370	2400	2300	2270	3310	3830	4980
	250.0	1510	1470	1380	2410	2350	2270	3310	3840	4980
TRIPLE REDUCTION UNIT	100.0	1460	1450	1380	1340	1290	1570	-	-	-
	180.0	1470	1460	1400	1370	1320	1610	-	-	-
	280.0	1470	1460	1410	1370	1330	1630	-	-	-
	400.0	1480	1460	1410	1380	1340	1640	-	-	-
	560.0	1490	1470	1430	1430	1350	1730	-	-	-
	900.0	1490	1470	1430	1430	1360	1730	-	-	-
QUADRUPLE REDUCTION UNIT ALL RATIOS		-	-	-	1720	1720	1720	1800	1800	2350
QUINTUPLE REDUCTION UNIT ALL RATIOS		-	-	-	1840	1840	1800	1800	1550	1550

MOMENTS OF INERTIA (Kg cm²) Referred to Input Shaft

DOUBLE REDUCTION

RATIO	C0320	C0420	C0520	C0620		C0720	C0820	C0920	C1020
				Standard	Heavy Duty				
8.0	1.12	1.50	3.06	11.04	11.08	27.53	84.74	228.68	460.57
11.	0.87	1.08	1.96	7.06	7.08	17.29	52.81	148.70	288.72
12.	0.79	0.96	1.74	6.15	6.16	14.91	46.23	129.54	258.50
14.	0.74	0.87	1.49	5.38	5.39	13.48	40.60	113.26	219.72
16.	1.13	1.50	2.94	11.72	11.73	23.31	71.60	204.67	363.53
18.	0.65	0.73	1.15	4.15	4.16	9.81	30.20	87.65	159.87
20.	0.64	0.70	1.04	3.66	3.67	8.60	26.64	76.76	143.32
22.	0.88	1.08	1.89	7.41	7.41	15.10	46.27	136.03	238.99
25.	0.80	0.96	1.69	6.42	6.43	13.16	40.94	119.46	216.46
28.	0.75	0.87	1.45	5.59	5.60	12.04	36.32	105.26	187.14
32.	0.55	0.58	0.76	2.45	2.45	5.71	16.66	50.93	84.47
36.	0.66	0.73	1.13	4.29	4.29	8.97	27.64	82.83	140.66
40.	0.64	0.70	1.02	3.77	3.77	7.94	24.61	72.90	126.85
45.	0.52	0.54	0.64	1.94	1.94	4.34	12.78	39.14	64.96
50.	0.51	0.52	0.62	1.86	1.87	3.96	11.60	35.94	58.56
56.	0.57	0.60	0.82	2.81	2.81	6.22	17.81	55.04	89.36
63.	0.55	0.58	0.76	2.49	2.49	5.43	15.87	49.39	78.42
71.	0.50	0.50	0.55	1.55	1.55	3.35	9.09	29.64	45.51
80.	0.49	0.50	0.53	1.50	1.50	3.21	8.72	28.17	41.80
90.	0.52	0.54	0.63	1.96	1.96	4.20	12.36	38.37	61.74
100	0.51	0.52	0.61	1.88	1.88	3.85	11.28	35.32	55.96
112	0.49	0.49	0.51	1.38	1.38	2.91	7.62	24.96	37.64
125	0.48	0.49	0.51	1.34	1.34	2.82	7.46	24.41	35.93
140	0.50	0.50	0.55	1.56	1.56	3.29	8.93	29.33	44.23
160	0.49	0.50	0.53	1.51	1.51	3.17	8.58	27.91	40.83
212	0.49	0.49	0.51	1.38	1.38	2.89	7.55	24.82	37.12
250	0.48	0.49	0.51	1.34	1.34	2.80	7.40	24.30	35.47

TRIPLE REDUCTION

RATIO	C0330	C0430	C0530	C0630		C0730
				Standard	Heavy Duty	
100	0.56	0.56	0.59	0.86	0.86	2.58
118	0.54	0.55	0.56	0.79	0.79	2.28
132	-	-	-	1.24	1.24	-
150	-	-	-	1.11	1.11	-
160	0.52	0.52	0.53	0.65	0.65	1.82
180	0.51	0.51	0.52	0.63	0.63	1.75
200	0.56	0.56	0.58	0.87	0.87	2.55
225	0.54	0.55	0.56	0.79	0.79	2.26
265	0.50	0.50	0.50	0.55	0.55	1.48
280	0.49	0.49	0.50	0.54	0.54	1.44
315	0.52	0.52	0.53	0.65	0.65	1.81
360	0.51	0.51	0.52	0.63	0.63	1.74
400	0.49	0.49	0.49	0.52	0.52	1.34
450	0.48	0.48	0.48	0.51	0.51	1.31
500	0.50	0.50	0.50	0.55	0.55	1.48
560	0.49	0.49	0.50	0.54	0.54	1.43
800	0.49	0.49	0.49	0.52	0.52	1.34
900	0.48	0.48	0.48	0.51	0.51	1.31

QUADRUPLE REDUCTION

RATIO	C0640		C0740	C0840	C0940	C1040
	Standard	Heavy Duty				
280	0.00	0.00	0.00	4.03	7.14	0.00
315	0.00	0.00	0.00	3.52	8.88	0.00
360	0.00	0.00	0.00	2.86	7.52	0.00
400	0.00	0.00	0.00	2.49	7.28	0.00
450	0.00	0.00	0.00	2.60	6.24	0.00
500	0.00	0.00	0.00	2.69	4.66	7.26
560	0.00	0.00	0.00	2.37	4.01	6.22
630	0.64	0.64	0.00	2.50	4.04	7.13
710	0.62	0.62	0.00	2.66	3.52	6.12
800	0.64	0.64	0.67	2.35	2.86	6.50
900	0.64	0.64	0.64	2.48	2.49	6.09
1000	0.62	0.62	0.64	2.21	2.60	6.48
1100	0.62	0.62	0.62	1.85	2.30	5.62
1200	0.54	0.54	0.56	1.78	2.47	4.52
1400	0.54	0.54	0.54	1.78	1.84	4.10
1600	0.53	0.53	0.55	1.72	1.83	4.30
1800	0.53	0.53	0.54	1.50	1.83	3.92
2000	0.53	0.53	0.54	1.45	1.53	3.42
2200	0.53	0.53	0.55	1.47	1.82	3.28
2500	0.51	0.51	0.54	1.43	1.49	3.33
2800	0.51	0.51	0.54	1.45	1.47	3.20
3200	0.51	0.51	0.52	1.33	1.48	3.28
3600	0.51	0.51	0.51	1.30	1.44	3.16
4000	0.51	0.51	0.51	1.33	1.46	2.90
4500	0.51	0.51	0.51	1.30	1.42	2.81
5000	0.50	0.50	0.51	1.41	1.34	2.88
5600	0.50	0.50	0.54	1.33	1.31	2.79
6000	0.51	0.51	0.53	1.30	1.33	2.81
6500	0.51	0.51	0.52	1.33	1.30	2.88
7500	0.51	0.51	0.51	1.30	1.31	2.79
8500	0.51	0.51	0.51	1.33	1.33	3.20
9500	0.50	0.50	0.51	1.30	1.30	3.27
10000	0.50	0.50	0.51	1.41	1.46	3.15
11000	0.51	0.51	0.52	1.33	1.42	2.90
12000	0.51	0.51	0.51	1.30	1.34	2.81
14000	0.50	0.50	0.51	1.33	1.33	2.88
16000	0.50	0.50	0.51	1.30	1.30	2.79

Note: For units fitted with fans the Moment of Inertia of the fan (see page 107) should be added to the inertia value of the gear unit.

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

RATINGS AT 2900 REV/MIN INPUT

DOUBLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT								
			C03	C04	C05	C06 Std	C06 Heavy	C07	C08	C09	C10
8.0	362.50	Input Power kW	2.80	4.53	6.42	11.30	11.30				111.00
		Output Torque Nm	66	110	154	273	273				2690
		Efficiency %	84	85	86	83	83				78
11.2	263.64	Input Power kW	2.33	3.81	5.35	9.34	9.34				92.70
		Output Torque Nm	75	125	179	319	319				3170
		Efficiency %	84	86	87	87	87				90
12.5	241.67	Input Power kW	2.12	3.52	5.08	8.76	8.76			50.20	88.60
		Output Torque Nm	77	131	187	336	336			1890	3290
		Efficiency %	84	86	87	88	88			88	91
14.0	207.14	Input Power kW	1.95	3.24	4.74	8.21	8.21	14.70	26.10	47.10	82.70
		Output Torque Nm	80	136	197	353	353	600	1080	1990	3490
		Efficiency %	83	85	87	87	87	75	83	91	92
16.0	181.25	Input Power kW	1.76	2.76	5.84	9.06	9.06			40.60	72.30
		Output Torque Nm	70	114	250	389	389			1950	3520
		Efficiency %	73	77	75	69	69			72	74
18.0	161.11	Input Power kW	1.63	2.72	4.14	7.17	7.17	12.60	22.50	40.80	71.30
		Output Torque Nm	85	145	218	390	390	673	1200	2220	3930
		Efficiency %	83	85	86	89	89	88	88	92	93
20.0	145.00	Input Power kW	1.55	2.59	3.85	6.66	6.66	11.70	21.10	38.30	68.20
		Output Torque Nm	87	148	229	410	410	709	1260	2330	4060
		Efficiency %	83	84	86	89	89	90	89	92	93
22.0	131.82	Input Power kW	1.48	2.32	4.86	7.44	7.44	10.30	18.90	33.70	59.50
		Output Torque Nm	79	129	287	450	450	648	1210	2240	4080
		Efficiency %	74	76	78	77	77	74	71	83	86
25.0	116.00	Input Power kW	1.37	2.15	4.60	6.97	6.97	9.45	17.80	31.50	56.60
		Output Torque Nm	83	135	298	471	471	669	1260	2350	4230
		Efficiency %	73	76	78	79	79	81	82	85	87
28.0	103.57	Input Power kW	1.26	2.01	4.29	6.52	6.52	8.81	16.70	29.40	52.50
		Output Torque Nm	86	142	314	493	493	685	1320	2470	4460
		Efficiency %	73	75	78	79	79	84	85	86	88
32.0	90.63	Input Power kW	1.09	1.82	2.98	5.04	5.04	9.04	15.90	29.10	50.70
		Output Torque Nm	98	167	270	490	490	836	1520	2790	4960
		Efficiency %	81	83	85	88	88	91	91	92	93
36.0	80.56	Input Power kW	1.06	1.70	3.66	5.67	5.67	7.28	14.30	25.20	44.70
		Output Torque Nm	92	152	334	541	541	738	1450	2730	4950
		Efficiency %	72	75	77	81	81	86	87	87	88
40.0	72.50	Input Power kW	1.01	1.62	3.34	5.27	5.27	6.64	13.30	23.60	42.70
		Output Torque Nm	94	155	344	567	567	764	1520	2850	5100
		Efficiency %	72	74	77	80	80	86	87	88	89
45.0	64.44	Input Power kW	0.88	1.46	2.38	4.07	4.07	7.26	13.10	23.50	41.90
		Output Torque Nm	105	179	306	554	554	953	1710	3170	5580
		Efficiency %	80	82	83	87	87	90	91	92	93
50.0	58.00	Input Power kW	0.78	1.30	2.26	3.91	3.91	6.73	12.10	22.10	39.30
		Output Torque Nm	109	185	315	567	567	995	1780	3300	5800
		Efficiency %	80	81	83	87	87	90	90	91	92
56.0	51.79	Input Power kW	0.80	1.28	2.70	4.28	4.28	5.37	10.80	19.30	33.10
		Output Torque Nm	104	171	371	623	623	820	1700	3220	5740
		Efficiency %	70	72	75	79	79	86	88	88	89
63.0	46.03	Input Power kW	0.73	1.16	2.47	3.83	3.83	4.85	9.65	17.80	30.20
		Output Torque Nm	107	176	381	642	642	847	1760	3380	5910
		Efficiency %	70	72	74	79	79	86	87	88	89
71.0	40.85	Input Power kW	0.64	1.08	1.80	3.07	3.07	5.49	9.79	17.80	31.60
		Output Torque Nm	124	211	354	644	644	1110	2010	3730	6590
		Efficiency %	78	80	81	86	86	89	90	91	92
80.0	36.25	Input Power kW	0.60	0.91	1.67	2.90	2.90	5.18	9.23	16.70	28.90
		Output Torque Nm	127	197	367	663	663	1140	2080	3850	6920
		Efficiency %	78	79	81	86	86	88	89	91	91
90.0	32.22	Input Power kW	0.62	0.99	1.97	2.86	3.10	3.70	7.59	14.40	23.70
		Output Torque Nm	121	199	427	663	720	912	1880	3830	6310
		Efficiency %	69	70	73	77	77	85	86	87	89
100.	29.00	Input Power kW	0.55	0.88	1.85	2.69	2.94	3.37	6.92	13.50	21.90
		Output Torque Nm	124	204	432	663	726	934	1920	3970	6440
		Efficiency %	68	69	72	77	77	84	86	86	88
112.	25.89	Input Power kW	0.46	0.46	1.18	2.15	2.36	4.20	7.63	13.20	23.80
		Output Torque Nm	132	134	339	663	728	1260	2280	4120	7650
		Efficiency %	77	78	80	85	85	87	89	89	91
125.	23.20	Input Power kW	0.39	0.39	0.90	1.58	1.58	3.19	6.97	11.90	22.80
		Output Torque Nm	128	129	292	541	541	1060	2380	4180	7820
		Efficiency %	77	78	80	84	84	87	88	89	90
140.	20.71	Input Power kW	0.43	0.69	1.40	1.89	2.19	2.61	5.28	10.90	16.60
		Output Torque Nm	133	218	459	663	769	989	2040	4440	6860
		Efficiency %	66	68	70	74	75	83	84	85	87
160.	18.13	Input Power kW	0.40	0.64	1.28	1.74	2.05	2.43	4.91	10.20	14.80
		Output Torque Nm	136	223	469	663	783	1000	2080	4570	7020
		Efficiency %	66	67	70	74	74	83	84	84	86
212.	13.68	Input Power kW	0.32	0.46	1.02	1.30	1.62	1.89	3.90	8.23	11.70
		Output Torque Nm	146	214	482	663	829	1060	2180	5000	7400
		Efficiency %	65	65	68	72	73	82	83	83	85
250.	11.60	Input Power kW	0.29	0.39	0.90	1.17	1.49	1.75	3.51	7.60	11.10
		Output Torque Nm	149	206	479	663	847	1080	2240	5150	7510
		Efficiency %	64	65	67	72	72	81	82	82	85

Input mechanical rating exceeds thermal capacity, check thermal power page 104

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 2900 REV/MIN INPUT

TRIPLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT					
			C03	C04	C05	C06 Std	C06 Heavy	C07
100.	29.00	Input Power kW	0.48	0.78	1.45	2.31	2.49	4.44
		Output Torque Nm	126	209	393	663	715	1240
		Efficiency %	75	77	79	84	84	87
118.	24.58	Input Power kW	0.44	0.68	1.32	2.04	2.28	4.01
		Output Torque Nm	132	208	408	663	742	1300
		Efficiency %	75	77	79	84	84	87
132.	21.97	Input Power kW				2.11	2.21	
		Output Torque Nm				663	695	
		Efficiency %				73	73	
150.	19.33	Input Power kW				1.87	2.00	
		Output Torque Nm				663	712	
		Efficiency %				73	73	
160.	18.13	Input Power kW	0.37	0.51	0.98	1.44	1.77	2.97
		Output Torque Nm	146	206	405	663	818	1340
		Efficiency %	75	76	78	82	83	86
180.	16.11	Input Power kW	0.32	0.43	0.84	1.33	1.67	2.79
		Output Torque Nm	149	205	402	663	835	1340
		Efficiency %	74	76	78	82	82	85
200.	14.50	Input Power kW	0.33	0.52	1.02	1.40	1.59	2.03
		Output Torque Nm	136	219	457	663	754	1040
		Efficiency %	63	64	68	72	72	80
225.	12.89	Input Power kW	0.30	0.47	0.94	1.24	1.46	1.81
		Output Torque Nm	142	229	475	663	782	1080
		Efficiency %	62	64	67	71	71	80
265.	10.94	Input Power kW	0.23	0.31	0.60	0.93	1.20	1.93
		Output Torque Nm	149	202	398	663	850	1340
		Efficiency %	73	74	77	81	81	84
280.	10.36	Input Power kW	0.21	0.28	0.54	0.83	1.07	1.77
		Output Torque Nm	149	201	396	663	850	1340
		Efficiency %	73	74	76	81	81	84
315.	9.21	Input Power kW	0.24	0.39	0.72	0.88	1.13	1.38
		Output Torque Nm	149	253	482	663	850	1150
		Efficiency %	61	63	66	69	70	79
360.	8.06	Input Power kW	0.21	0.36	0.62	0.82	1.04	1.31
		Output Torque Nm	149	267	482	663	850	1160
		Efficiency %	61	63	65	69	69	79
400.	7.25	Input Power kW	0.15	0.20	0.39	0.64	0.81	1.31
		Output Torque Nm	149	199	392	663	850	1340
		Efficiency %	72	73	75	80	80	83
450.	6.44	Input Power kW	0.14	0.18	0.35	0.56	0.72	1.17
		Output Torque Nm	149	199	391	663	850	1340
		Efficiency %	72	73	75	80	80	83
500.	5.80	Input Power kW	0.15	0.27	0.45	0.58	0.74	0.97
		Output Torque Nm	149	278	482	663	850	1230
		Efficiency %	59	61	64	67	67	77
560.	5.18	Input Power kW	0.14	0.25	0.41	0.52	0.67	0.90
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	59	61	63	67	67	77
800.	3.63	Input Power kW	0.10	0.18	0.30	0.40	0.51	0.68
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	60	62	66	66	76
900.	3.22	Input Power kW	0.09	0.16	0.27	0.36	0.45	0.60
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	58	60	62	65	65	76

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 1750 REV/MIN INPUT

DOUBLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT								
			C03	C04	C05	C06 Std	C06 Heavy	C07	C08	C09	C10
8.0	218.75	Input Power kW	1.97	3.27	4.87	8.49	8.49	14.90		48.00	84.20
		Output Torque Nm	77	131	193	343	343	592		1950	3430
		Efficiency %	84	85	87	89	89	75		81	89
11.2	159.09	Input Power kW	1.60	2.66	4.03	6.99	6.99	12.40	22.00	40.10	69.90
		Output Torque Nm	84	143	222	396	396	680	1220	2240	3980
		Efficiency %	83	85	87	89	89	89	87	87	92
12.5	145.83	Input Power kW	1.46	2.42	3.82	6.54	6.54	11.50	20.70	37.60	66.60
		Output Torque Nm	87	147	230	415	415	713	1280	2350	4120
		Efficiency %	82	84	86	89	89	90	90	92	92
14.0	125.00	Input Power kW	1.34	2.23	3.55	6.11	6.11	10.90	19.40	35.10	61.90
		Output Torque Nm	90	153	242	434	434	740	1330	2460	4340
		Efficiency %	82	84	86	88	88	91	91	92	93
16.0	109.38	Input Power kW	1.27	2.03	4.42	6.73	6.73	8.95	17.10	29.90	53.50
		Output Torque Nm	83	137	307	481	481	680	1290	2420	4380
		Efficiency %	73	76	78	79	79	80	73	83	83
18.0	97.22	Input Power kW	1.12	1.86	3.08	5.30	5.30	9.31	16.70	30.20	52.90
		Output Torque Nm	95	162	264	475	475	820	1470	2720	4820
		Efficiency %	82	83	85	89	89	91	91	92	93
20.0	87.50	Input Power kW	1.06	1.77	2.85	4.91	4.91	8.61	15.50	28.20	50.50
		Output Torque Nm	97	165	276	497	497	860	1540	2840	4960
		Efficiency %	82	83	84	88	88	91	91	92	93
22.0	79.55	Input Power kW	1.04	1.66	3.51	5.53	5.53	7.10	13.90	24.70	43.80
		Output Torque Nm	91	149	335	549	549	743	1470	2750	5010
		Efficiency %	72	74	77	80	80	86	85	86	88
25.0	70.00	Input Power kW	0.95	1.52	3.28	5.17	5.17	6.53	13.00	23.10	41.60
		Output Torque Nm	94	154	342	572	572	767	1530	2870	5180
		Efficiency %	72	74	77	80	80	87	87	87	88
28.0	62.50	Input Power kW	0.88	1.40	3.00	4.76	4.76	6.10	12.20	21.50	38.50
		Output Torque Nm	97	160	352	587	587	785	1600	3000	5440
		Efficiency %	71	74	76	79	79	87	87	88	89
32.0	54.69	Input Power kW	0.74	1.24	2.18	3.67	3.67	6.61	11.60	21.30	37.20
		Output Torque Nm	109	185	321	585	585	1000	1830	3360	5990
		Efficiency %	80	81	83	87	87	90	90	92	92
36.0	48.61	Input Power kW	0.74	1.19	2.53	4.01	4.01	5.01	10.20	18.50	31.80
		Output Torque Nm	103	170	371	621	621	837	1720	3300	5810
		Efficiency %	70	72	75	79	79	87	87	87	88
40.0	43.75	Input Power kW	0.70	1.12	2.29	3.64	3.64	4.56	9.38	17.30	30.00
		Output Torque Nm	105	173	378	634	634	861	1770	3440	5910
		Efficiency %	70	72	74	79	79	86	87	87	89
45.0	38.89	Input Power kW	0.60	1.00	1.73	2.95	2.95	5.27	9.52	17.20	30.60
		Output Torque Nm	117	198	360	656	656	1130	2040	3800	6700
		Efficiency %	79	80	81	86	86	89	90	91	92
50.0	35.00	Input Power kW	0.53	0.89	1.63	2.80	2.83	4.87	8.81	16.10	28.70
		Output Torque Nm	121	205	370	663	670	1180	2120	3930	6940
		Efficiency %	78	79	82	86	86	89	89	90	92
56.0	31.25	Input Power kW	0.55	0.88	1.84	2.83	2.87	3.66	7.35	14.10	22.50
		Output Torque Nm	115	188	404	663	673	914	1890	3860	6390
		Efficiency %	68	70	73	77	77	85	86	87	88
63.0	27.78	Input Power kW	0.50	0.80	1.68	2.46	2.58	3.29	6.54	13.00	20.40
		Output Torque Nm	119	194	415	663	696	938	1950	4040	6540
		Efficiency %	68	69	72	76	76	85	86	87	88
71.0	24.65	Input Power kW	0.44	0.65	1.28	1.94	2.19	3.93	7.03	12.20	22.80
		Output Torque Nm	138	208	409	663	750	1300	2360	4170	7800
		Efficiency %	77	78	80	85	85	88	88	90	91
80.0	21.88	Input Power kW	0.41	0.55	1.12	1.78	2.06	3.69	6.60	11.20	20.80
		Output Torque Nm	141	193	401	663	769	1330	2430	4210	8140
		Efficiency %	77	78	79	84	85	87	88	89	90
90.0	19.44	Input Power kW	0.42	0.68	1.34	1.78	2.08	2.48	5.10	10.40	15.90
		Output Torque Nm	133	218	465	663	777	998	2060	4510	6910
		Efficiency %	66	68	70	75	75	84	85	85	87
100.	17.50	Input Power kW	0.38	0.61	1.26	1.68	1.99	2.25	4.64	9.75	14.70
		Output Torque Nm	138	225	472	663	787	1020	2100	4650	7030
		Efficiency %	66	67	70	74	74	83	84	84	86
112.	15.63	Input Power kW	0.28	0.28	0.74	1.32	1.50	2.60	5.39	8.51	16.20
		Output Torque Nm	130	131	345	663	753	1280	2630	4360	8490
		Efficiency %	76	76	79	83	83	86	87	88	89
125.	14.00	Input Power kW	0.24	0.24	0.56	0.95	0.95	1.92	4.89	7.70	14.30
		Output Torque Nm	125	126	297	533	533	1050	2730	4410	8020
		Efficiency %	75	76	78	83	83	86	87	88	89
140.	12.50	Input Power kW	0.30	0.48	0.92	1.18	1.50	1.75	3.55	7.72	11.10
		Output Torque Nm	148	242	482	663	846	1080	2230	5110	7490
		Efficiency %	64	65	68	72	72	82	83	83	85
160.	10.94	Input Power kW	0.27	0.44	0.82	1.08	1.38	1.64	3.30	7.20	9.98
		Output Torque Nm	149	247	482	663	850	1100	2270	5240	7700
		Efficiency %	64	65	67	72	72	81	82	83	85
212.	8.25	Input Power kW	0.20	0.28	0.63	0.81	1.04	1.28	2.63	5.67	7.90
		Output Torque Nm	149	208	482	663	850	1160	2390	5580	8120
		Efficiency %	62	64	66	70	70	80	81	81	84
250.	7.00	Input Power kW	0.18	0.24	0.56	0.73	0.93	1.17	2.36	5.08	7.48
		Output Torque Nm	149	200	482	663	850	1180	2450	5580	8220
		Efficiency %	62	63	66	69	69	80	81	81	83

Input mechanical rating exceeds thermal capacity, check thermal power page 104

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 1750 REV/MIN INPUT

TRIPLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT					
			C03	C04	C05	C06 Std	C06 Heavy	C07
100.	17.50	Input Power kW	0.35	0.47	0.91	1.41	1.76	2.94
		Output Torque Nm	149	205	404	663	821	1340
		Efficiency %	75	76	78	83	83	86
118.	14.83	Input Power kW	0.31	0.41	0.80	1.25	1.59	2.54
		Output Torque Nm	149	204	402	663	847	1340
		Efficiency %	74	76	78	82	83	85
132.	13.26	Input Power kW				1.31	1.51	
		Output Torque Nm				663	768	
		Efficiency %				71	72	
150.	11.67	Input Power kW				1.18	1.39	
		Output Torque Nm				663	798	
		Efficiency %				71	71	
160.	10.94	Input Power kW	0.23	0.31	0.59	0.88	1.13	1.81
		Output Torque Nm	149	202	398	663	850	1340
		Efficiency %	74	75	77	81	81	85
180.	9.72	Input Power kW	0.20	0.26	0.50	0.81	1.04	1.70
		Output Torque Nm	149	201	396	663	850	1340
		Efficiency %	73	74	77	81	81	85
200.	8.75	Input Power kW	0.22	0.38	0.67	0.87	1.11	1.36
		Output Torque Nm	149	259	482	663	850	1150
		Efficiency %	61	63	66	70	70	80
225.	7.78	Input Power kW	0.20	0.35	0.59	0.77	0.99	1.21
		Output Torque Nm	149	271	482	663	850	1180
		Efficiency %	61	63	66	69	69	79
265.	6.60	Input Power kW	0.14	0.19	0.36	0.57	0.73	1.18
		Output Torque Nm	149	199	391	663	850	1340
		Efficiency %	72	73	75	80	80	83
280.	6.25	Input Power kW	0.13	0.17	0.33	0.51	0.65	1.08
		Output Torque Nm	149	198	390	663	850	1340
		Efficiency %	72	73	75	80	80	83
315.	5.56	Input Power kW	0.15	0.27	0.45	0.55	0.70	0.92
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	60	62	64	67	68	78
360.	4.86	Input Power kW	0.13	0.23	0.38	0.51	0.65	0.87
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	59	61	63	67	67	78
400.	4.38	Input Power kW	0.09	0.12	0.24	0.39	0.50	0.80
		Output Torque Nm	149	196	387	663	850	1340
		Efficiency %	72	72	75	79	79	82
450.	3.89	Input Power kW	0.08	0.11	0.21	0.34	0.44	0.71
		Output Torque Nm	149	198	385	663	849	1340
		Efficiency %	71	72	74	79	79	82
500.	3.50	Input Power kW	0.09	0.17	0.28	0.36	0.46	0.61
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	60	62	66	66	77
560.	3.13	Input Power kW	0.08	0.15	0.25	0.32	0.41	0.56
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	58	59	62	65	65	76
600.	2.19	Input Power kW	0.06	0.11	0.19	0.25	0.32	0.41
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	58	58	61	64	64	75
900.	1.94	Input Power kW	0.05	0.10	0.17	0.22	0.28	0.37
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	60	63	64	75

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 1450 REV/MIN INPUT

DOUBLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT								
			C03	C04	C05	C06 Std	C06 Heavy	C07	C08	C09	C10
8.0	181.25	Input Power kW	1.72	2.84	4.39	7.62	7.62	12.90	20.70	43.20	75.90
		Output Torque Nm	81	137	209	372	372	618	977	2120	3730
		Efficiency %	83	85	87	89	89	88	86	89	91
11.2	131.82	Input Power kW	1.39	2.31	3.62	6.26	6.26	11.10	19.70	35.80	62.70
		Output Torque Nm	88	149	238	427	427	734	1320	2420	4300
		Efficiency %	83	84	86	89	89	91	90	91	93
12.5	120.83	Input Power kW	1.27	2.11	3.42	5.85	5.85	10.30	18.50	33.60	58.60
		Output Torque Nm	90	154	247	446	446	768	1380	2540	4450
		Efficiency %	82	84	85	89	89	91	91	92	93
14.0	103.57	Input Power kW	1.16	1.94	3.17	5.48	5.48	9.75	17.30	31.40	55.30
		Output Torque Nm	94	159	259	466	466	796	1430	2650	4680
		Efficiency %	82	83	85	88	88	91	91	92	93
16.0	90.63	Input Power kW	1.11	1.76	3.90	6.03	6.03	7.81	15.20	26.70	47.70
		Output Torque Nm	87	144	324	517	517	715	1390	2610	4730
		Efficiency %	72	75	78	80	80	85	83	86	86
18.0	80.56	Input Power kW	0.97	1.62	2.74	4.72	4.72	8.29	14.60	26.90	47.20
		Output Torque Nm	99	168	282	506	506	879	1580	2920	5180
		Efficiency %	81	82	84	88	88	91	91	92	93
20.0	72.50	Input Power kW	0.92	1.54	2.54	4.37	4.37	7.58	13.60	25.20	45.10
		Output Torque Nm	101	171	295	531	531	921	1650	3040	5330
		Efficiency %	81	82	84	88	88	91	91	92	93
22.0	65.91	Input Power kW	0.91	1.45	3.06	4.87	4.87	8.19	12.30	22.60	39.00
		Output Torque Nm	95	156	348	579	579	781	1580	2980	5360
		Efficiency %	72	74	77	79	79	87	87	87	89
25.0	58.00	Input Power kW	0.83	1.33	2.58	4.49	4.49	5.59	11.60	20.60	36.90
		Output Torque Nm	96	161	358	584	584	803	1650	3090	5540
		Efficiency %	71	73	76	79	79	87	87	88	89
28.0	51.79	Input Power kW	0.77	1.23	2.61	4.13	4.13	5.30	10.60	19.20	33.60
		Output Torque Nm	101	167	368	611	611	822	1700	3220	5710
		Efficiency %	70	72	75	79	79	87	88	87	89
32.0	45.31	Input Power kW	0.64	1.06	1.93	3.26	3.26	5.87	10.30	19.00	33.10
		Output Torque Nm	113	182	341	623	623	1070	1950	3590	6400
		Efficiency %	79	80	82	87	87	90	90	91	92
36.0	40.28	Input Power kW	0.65	1.03	2.18	3.45	3.45	4.35	8.88	16.50	27.50
		Output Torque Nm	107	176	381	637	637	872	1800	3540	6060
		Efficiency %	69	71	74	78	78	86	87	87	89
40.0	36.25	Input Power kW	0.61	0.96	1.99	3.13	3.13	3.85	8.14	15.40	26.00
		Output Torque Nm	110	179	392	651	651	895	1840	3680	6150
		Efficiency %	69	71	73	78	78	86	87	87	88
45.0	32.22	Input Power kW	0.52	0.87	1.52	2.48	2.80	4.66	8.43	15.20	27.20
		Output Torque Nm	122	206	382	683	695	1200	2170	4030	7140
		Efficiency %	79	79	81	86	86	89	89	90	91
50.0	29.00	Input Power kW	0.46	0.76	1.44	2.33	2.49	4.30	7.79	13.90	25.40
		Output Torque Nm	127	209	391	683	709	1250	2250	4090	7390
		Efficiency %	78	79	81	86	86	88	89	90	91
56.0	25.89	Input Power kW	0.48	0.77	1.80	2.37	2.49	3.16	6.35	12.60	19.40
		Output Torque Nm	120	196	418	683	698	946	1960	4110	6820
		Efficiency %	68	69	72	76	76	85	86	87	88
63.0	23.02	Input Power kW	0.44	0.70	1.46	2.06	2.24	2.84	5.64	11.60	17.60
		Output Torque Nm	124	202	430	683	721	970	2010	4290	6770
		Efficiency %	67	68	71	75	75	84	85	85	87
71.0	20.42	Input Power kW	0.38	0.54	1.06	1.62	1.92	3.38	6.18	10.40	20.10
		Output Torque Nm	143	206	406	683	789	1340	2490	4260	8250
		Efficiency %	75	77	79	84	84	87	88	89	90
80.0	18.13	Input Power kW	0.35	0.46	0.93	1.48	1.81	3.10	5.79	9.51	17.80
		Output Torque Nm	147	192	399	683	808	1340	2580	4300	8390
		Efficiency %	75	77	79	84	84	87	88	89	90
90.0	16.11	Input Power kW	0.37	0.59	1.16	1.49	1.81	2.13	4.39	9.21	13.70
		Output Torque Nm	139	227	482	683	808	1030	2120	4760	7120
		Efficiency %	66	67	70	74	74	83	84	84	85
100.	14.50	Input Power kW	0.33	0.53	1.08	1.41	1.73	1.94	3.99	8.58	12.80
		Output Torque Nm	143	234	482	683	818	1050	2180	4900	7240
		Efficiency %	65	66	69	73	73	82	83	84	85
112.	12.95	Input Power kW	0.23	0.23	0.62	1.10	1.24	2.16	4.71	7.22	13.70
		Output Torque Nm	129	130	348	683	748	1270	2780	4440	8650
		Efficiency %	75	76	78	83	83	86	87	88	89
125.	11.60	Input Power kW	0.19	0.19	0.47	0.79	0.79	1.59	4.19	6.53	11.80
		Output Torque Nm	125	126	300	530	530	1040	2810	4490	7980
		Efficiency %	75	76	78	82	82	86	86	87	89
140.	10.36	Input Power kW	0.25	0.42	0.77	0.99	1.28	1.52	3.07	6.76	9.62
		Output Torque Nm	149	252	482	683	850	1120	2310	5360	7760
		Efficiency %	63	65	67	71	72	81	82	82	85
160.	9.06	Input Power kW	0.23	0.39	0.69	0.91	1.16	1.41	2.85	6.29	9.62
		Output Torque Nm	149	257	482	683	850	1140	2350	5480	7960
		Efficiency %	63	64	67	71	71	81	82	82	84
212.	6.84	Input Power kW	0.17	0.23	0.53	0.68	0.87	1.10	2.27	4.74	6.80
		Output Torque Nm	149	206	482	683	850	1200	2470	5580	8370
		Efficiency %	62	63	66	69	69	79	81	80	83
250.	5.80	Input Power kW	0.15	0.19	0.47	0.61	0.76	1.01	2.03	4.25	6.43
		Output Torque Nm	149	198	482	683	850	1220	2530	5580	8470
		Efficiency %	61	63	65	69	69	79	80	80	83

Input mechanical rating exceeds thermal capacity, check thermal power page 104

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 1450 REV/MIN INPUT

TRIPLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT					
			C03	C04	C05	C06 Std	C06 Heavy	C07
100.	14.50	Input Power kW	0.29	0.39	0.75	1.16	1.51	2.44
		Output Torque Nm	149	204	401	663	850	1340
		Efficiency %	74	76	78	82	82	86
118.	12.29	Input Power kW	0.25	0.34	0.66	1.04	1.33	2.11
		Output Torque Nm	149	203	399	663	850	1340
		Efficiency %	74	75	77	82	82	85
132.	10.98	Input Power kW				1.09	1.34	
		Output Torque Nm				663	812	
		Efficiency %				71	71	
150.	9.67	Input Power kW				0.97	1.23	
		Output Torque Nm				663	844	
		Efficiency %				70	71	
160.	9.06	Input Power kW	0.19	0.25	0.49	0.73	0.94	1.51
		Output Torque Nm	149	201	395	663	850	1340
		Efficiency %	73	75	77	81	81	84
180.	8.06	Input Power kW	0.16	0.22	0.42	0.68	0.87	1.42
		Output Torque Nm	149	200	393	663	850	1340
		Efficiency %	73	74	76	81	81	84
200.	7.25	Input Power kW	0.19	0.33	0.56	0.73	0.93	1.17
		Output Torque Nm	149	276	482	663	850	1190
		Efficiency %	61	63	65	69	69	79
225.	6.44	Input Power kW	0.16	0.30	0.49	0.65	0.83	1.04
		Output Torque Nm	149	276	482	663	850	1220
		Efficiency %	61	62	66	68	68	79
265.	5.47	Input Power kW	0.12	0.15	0.30	0.48	0.61	0.98
		Output Torque Nm	149	198	389	663	850	1340
		Efficiency %	72	73	75	80	80	83
280.	5.18	Input Power kW	0.11	0.14	0.27	0.42	0.54	0.90
		Output Torque Nm	149	197	388	663	850	1340
		Efficiency %	71	73	75	79	79	83
315.	4.60	Input Power kW	0.12	0.22	0.37	0.48	0.59	0.76
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	61	63	67	67	77
360.	4.03	Input Power kW	0.11	0.19	0.32	0.43	0.54	0.73
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	61	63	66	67	77
400.	3.63	Input Power kW	0.08	0.10	0.20	0.32	0.41	0.56
		Output Torque Nm	149	195	385	663	847	1340
		Efficiency %	71	72	74	79	79	82
450.	3.22	Input Power kW	0.07	0.09	0.17	0.29	0.36	0.59
		Output Torque Nm	149	195	384	663	844	1340
		Efficiency %	71	72	74	78	78	82
500.	2.90	Input Power kW	0.08	0.14	0.23	0.30	0.39	0.50
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	58	59	62	65	65	76
560.	2.59	Input Power kW	0.07	0.13	0.21	0.27	0.35	0.46
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	58	59	61	64	65	76
600.	1.81	Input Power kW	0.05	0.09	0.16	0.21	0.27	0.34
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	61	64	64	75
900.	1.61	Input Power kW	0.05	0.08	0.14	0.18	0.24	0.31
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	60	63	63	75

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 1160 REV/MIN INPUT

DOUBLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT								
			C03	C04	C05	C06 Std	C06 Heavy	C07	C08	C09	C10
8.0	145.00	Input Power kW	1.45	2.41	3.88	6.70	6.70	10.30	16.50	38.00	62.60
		Output Torque Nm	85	144	228	407	407	617	976	2330	3840
		Efficiency %	83	84	86	89	89	90	90	91	92
11.2	105.45	Input Power kW	1.18	1.96	3.17	5.47	5.47	8.68	16.50	31.40	54.80
		Output Torque Nm	92	156	259	485	485	800	1380	2650	4700
		Efficiency %	82	83	85	89	89	91	91	91	93
12.5	96.67	Input Power kW	1.08	1.78	2.99	5.11	5.11	8.01	16.10	29.40	52.20
		Output Torque Nm	95	161	268	485	485	836	1500	2760	4860
		Efficiency %	81	83	85	89	89	91	91	92	93
14.0	82.86	Input Power kW	0.99	1.63	2.77	4.76	4.76	8.51	15.10	27.40	48.30
		Output Torque Nm	99	166	281	505	505	865	1560	2890	5100
		Efficiency %	81	83	84	88	88	91	92	92	93
16.0	72.50	Input Power kW	0.95	1.52	3.32	5.26	5.26	6.85	13.30	23.30	41.70
		Output Torque Nm	92	151	339	560	560	760	1510	2850	5160
		Efficiency %	72	74	77	79	79	86	86	87	87
18.0	64.44	Input Power kW	0.82	1.37	2.39	4.11	4.11	7.22	12.90	23.40	41.20
		Output Torque Nm	104	176	305	550	550	953	1710	3170	5830
		Efficiency %	80	82	84	88	88	91	91	92	93
20.0	58.00	Input Power kW	0.78	1.30	2.21	3.80	3.80	6.87	12.10	21.90	39.30
		Output Torque Nm	105	180	318	574	574	997	1790	3300	5790
		Efficiency %	80	82	83	88	88	90	91	92	93
22.0	52.73	Input Power kW	0.78	1.24	2.61	4.12	4.12	5.25	10.60	19.20	33.30
		Output Torque Nm	100	164	365	606	606	824	1700	3210	5720
		Efficiency %	71	73	75	79	79	87	87	87	88
25.0	46.40	Input Power kW	0.71	1.13	2.42	3.76	3.76	4.82	9.85	18.00	31.20
		Output Torque Nm	103	168	371	619	619	848	1740	3350	5840
		Efficiency %	70	72	75	78	78	87	87	87	88
28.0	41.43	Input Power kW	0.65	1.04	2.20	3.46	3.46	4.49	9.09	16.70	28.40
		Output Torque Nm	106	174	379	631	631	864	1780	3500	6000
		Efficiency %	69	71	74	78	78	86	87	87	88
32.0	36.25	Input Power kW	0.54	0.91	1.67	2.79	2.82	5.08	8.95	16.50	28.80
		Output Torque Nm	119	201	365	583	669	1150	2100	3880	6820
		Efficiency %	79	80	82	86	86	89	90	91	92
36.0	32.22	Input Power kW	0.55	0.88	1.85	2.90	2.90	3.87	7.49	14.30	23.20
		Output Torque Nm	113	184	398	662	662	912	1680	3830	6340
		Efficiency %	69	70	73	77	77	85	87	87	88
40.0	29.00	Input Power kW	0.52	0.83	1.69	2.58	2.85	3.33	6.86	13.40	21.90
		Output Torque Nm	115	188	409	663	680	935	1920	3970	6430
		Efficiency %	68	70	72	77	77	85	86	86	88
45.0	25.78	Input Power kW	0.45	0.71	1.23	2.00	2.24	4.01	7.27	12.60	28.50
		Output Torque Nm	130	209	381	663	742	1290	2320	4150	7680
		Efficiency %	78	79	80	85	85	88	89	90	91
50.0	23.20	Input Power kW	0.40	0.60	1.21	1.68	2.14	3.69	6.71	11.50	21.90
		Output Torque Nm	137	207	408	663	758	1330	2410	4200	7930
		Efficiency %	77	78	80	85	85	88	89	90	91
56.0	20.71	Input Power kW	0.41	0.65	1.35	1.92	2.11	2.65	5.39	10.90	16.90
		Output Torque Nm	125	205	437	663	728	984	2040	4420	6880
		Efficiency %	66	68	71	75	75	84	85	85	87
63.0	18.41	Input Power kW	0.37	0.59	1.23	1.67	1.89	2.38	4.72	10.00	14.70
		Output Torque Nm	130	212	449	663	752	1010	2090	4590	7020
		Efficiency %	66	68	70	74	75	84	85	85	87
71.0	16.34	Input Power kW	0.32	0.43	0.85	1.30	1.84	2.72	5.28	8.54	16.60
		Output Torque Nm	149	205	403	663	836	1340	2650	4360	8470
		Efficiency %	76	77	79	84	84	87	88	89	90
80.0	14.50	Input Power kW	0.29	0.36	0.74	1.20	1.53	2.49	4.94	7.83	14.70
		Output Torque Nm	149	190	396	663	850	1340	2710	4400	8590
		Efficiency %	76	77	79	83	83	87	87	88	89
90.0	12.89	Input Power kW	0.31	0.50	0.95	1.21	1.53	1.79	3.69	7.91	11.50
		Output Torque Nm	145	238	482	663	840	1070	2210	5060	7420
		Efficiency %	65	66	68	73	73	82	83	83	85
100.	11.60	Input Power kW	0.28	0.45	0.87	1.14	1.48	1.63	3.36	7.35	10.60
		Output Torque Nm	149	245	482	663	850	1100	2280	5200	7570
		Efficiency %	64	65	68	72	72	82	83	83	85
112.	10.36	Input Power kW	0.18	0.18	0.50	0.69	0.99	1.72	4.00	5.93	11.20
		Output Torque Nm	128	129	352	663	743	1270	2910	4530	8760
		Efficiency %	75	75	78	82	82	86	86	87	88
125.	9.28	Input Power kW	0.16	0.16	0.39	0.69	0.83	1.28	3.45	5.36	9.46
		Output Torque Nm	124	125	304	526	526	1030	2870	4580	7940
		Efficiency %	75	75	77	82	82	84	86	87	88
140.	8.29	Input Power kW	0.20	0.36	0.62	0.80	1.03	1.27	2.58	5.69	8.07
		Output Torque Nm	149	266	482	663	850	1160	2410	5580	8060
		Efficiency %	63	64	66	70	70	80	81	81	84
160.	7.25	Input Power kW	0.18	0.33	0.56	0.74	0.94	1.18	2.39	5.19	7.22
		Output Torque Nm	149	275	482	663	850	1180	2440	5580	8270
		Efficiency %	62	64	66	70	70	80	81	81	83
212.	5.47	Input Power kW	0.14	0.18	0.43	0.55	0.71	0.92	1.89	3.83	5.68
		Output Torque Nm	149	203	482	663	850	1240	2580	5580	8860
		Efficiency %	61	62	65	66	68	78	80	80	82
250.	4.64	Input Power kW	0.12	0.18	0.38	0.50	0.63	0.84	1.70	3.43	5.86
		Output Torque Nm	149	195	482	663	848	1260	2610	5580	8760
		Efficiency %	61	62	64	66	68	78	79	79	82

Input mechanical rating exceeds thermal capacity, check thermal power page 104

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 1160 REV/MIN INPUT

TRIPLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT					
			C03	C04	C05	C06 Std	C06 Heavy	C07
100.	11.60	Input Power kW	0.23	0.31	0.60	0.95	1.21	1.97
		Output Torque Nm	149	202	398	663	850	1340
		Efficiency %	74	75	77	82	82	85
118.	9.83	Input Power kW	0.20	0.27	0.53	0.84	1.07	1.70
		Output Torque Nm	149	201	396	663	850	1340
		Efficiency %	74	75	77	81	82	85
132.	8.79	Input Power kW				0.89	1.13	
		Output Torque Nm				663	850	
		Efficiency %				70	70	
150.	7.73	Input Power kW				0.79	1.01	
		Output Torque Nm				663	850	
		Efficiency %				69	69	
160.	7.25	Input Power kW	0.15	0.20	0.39	0.59	0.76	1.21
		Output Torque Nm	149	199	392	663	850	1340
		Efficiency %	73	74	76	80	81	84
180.	6.44	Input Power kW	0.13	0.17	0.33	0.54	0.70	1.14
		Output Torque Nm	149	198	391	663	850	1340
		Efficiency %	73	73	76	80	80	84
200.	5.80	Input Power kW	0.15	0.27	0.45	0.59	0.75	0.98
		Output Torque Nm	149	278	482	663	850	1230
		Efficiency %	61	62	64	68	68	78
225.	5.16	Input Power kW	0.13	0.24	0.40	0.52	0.67	0.86
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	60	61	64	67	68	78
265.	4.38	Input Power kW	0.09	0.12	0.24	0.38	0.49	0.79
		Output Torque Nm	149	196	387	663	850	1340
		Efficiency %	72	73	75	79	79	83
280.	4.14	Input Power kW	0.09	0.11	0.22	0.34	0.44	0.72
		Output Torque Nm	149	196	386	663	849	1340
		Efficiency %	71	73	74	79	79	82
315.	3.68	Input Power kW	0.10	0.18	0.30	0.37	0.48	0.63
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	61	63	66	66	77
360.	3.22	Input Power kW	0.09	0.16	0.26	0.34	0.44	0.59
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	60	62	66	66	77
400.	2.90	Input Power kW	0.06	0.08	0.16	0.26	0.33	0.53
		Output Torque Nm	149	194	383	663	842	1340
		Efficiency %	71	72	74	78	78	82
450.	2.58	Input Power kW	0.06	0.07	0.14	0.23	0.29	0.48
		Output Torque Nm	149	194	381	663	840	1340
		Efficiency %	71	72	73	78	78	81
500.	2.32	Input Power kW	0.06	0.11	0.19	0.24	0.31	0.41
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	58	59	61	64	64	75
560.	2.07	Input Power kW	0.06	0.10	0.17	0.22	0.28	0.37
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	59	61	64	64	75
800.	1.45	Input Power kW	0.04	0.08	0.13	0.17	0.21	0.28
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	60	63	63	74
900.	1.29	Input Power kW	0.04	0.07	0.11	0.15	0.19	0.25
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	56	57	60	63	62	74

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 960 REV/MIN INPUT

DOUBLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT								
			C03	C04	C05	C06 Std	C06 Heavy	C07	C08	C09	C10
8.0	120.00	Input Power kW	1.26	2.09	3.44	5.99	5.99	8.53	13.70	34.00	51.80
		Output Torque Nm	89	150	243	439	439	615	974	2510	3840
		Efficiency %	82	84	85	89	89	91	91	91	92
11.2	87.27	Input Power kW	1.03	1.70	2.82	4.88	4.88	8.53	13.70	28.00	49.00
		Output Torque Nm	97	163	277	498	498	849	1380	2840	5060
		Efficiency %	81	83	85	88	88	91	91	92	93
12.5	80.00	Input Power kW	0.93	1.55	2.66	4.55	4.55	8.03	13.70	26.20	46.50
		Output Torque Nm	99	167	287	519	519	896	1530	2970	5220
		Efficiency %	81	82	84	88	88	91	91	92	93
14.0	68.57	Input Power kW	0.85	1.42	2.46	4.23	4.23	7.57	13.50	24.40	43.10
		Output Torque Nm	102	173	300	540	540	927	1670	3100	5480
		Efficiency %	80	82	84	88	88	91	91	92	93
16.0	60.00	Input Power kW	0.83	1.33	2.89	4.57	4.57	5.80	11.80	20.80	37.00
		Output Torque Nm	96	158	353	582	582	798	1620	3060	5530
		Efficiency %	71	73	76	79	79	86	87	87	87
18.0	53.33	Input Power kW	0.71	1.18	2.12	3.65	3.65	6.42	11.50	20.90	36.60
		Output Torque Nm	108	183	325	587	587	1020	1830	3400	6030
		Efficiency %	80	82	83	87	87	90	91	92	92
20.0	48.00	Input Power kW	0.68	1.13	1.96	3.37	3.37	5.92	10.70	19.50	34.90
		Output Torque Nm	110	187	338	612	612	1060	1910	3530	6200
		Efficiency %	79	81	82	87	87	90	90	92	92
22.0	43.64	Input Power kW	0.68	1.08	2.25	3.55	3.55	4.56	9.23	17.10	28.80
		Output Torque Nm	104	170	376	624	624	860	1780	3450	5970
		Efficiency %	70	72	74	78	78	87	87	87	89
25.0	38.40	Input Power kW	0.62	0.99	2.10	3.25	3.25	4.18	8.53	16.00	27.10
		Output Torque Nm	107	175	384	636	636	881	1820	3590	6080
		Efficiency %	69	71	74	78	78	86	87	87	88
28.0	34.29	Input Power kW	0.57	0.91	1.91	2.99	2.99	3.89	7.88	14.90	24.60
		Output Torque Nm	111	181	393	652	652	898	1860	3740	6240
		Efficiency %	69	71	73	77	77	86	87	87	88
32.0	30.00	Input Power kW	0.48	0.79	1.47	2.32	2.48	4.49	7.91	14.40	25.50
		Output Torque Nm	125	209	387	663	709	1220	2230	4070	7370
		Efficiency %	78	79	81	86	86	89	89	90	91
36.0	26.67	Input Power kW	0.48	0.76	1.61	2.43	2.52	3.17	6.47	12.70	20.00
		Output Torque Nm	117	192	413	663	686	946	1950	4080	6570
		Efficiency %	68	69	72	77	76	85	86	87	88
40.0	24.00	Input Power kW	0.45	0.73	1.46	2.16	2.30	2.87	5.91	11.90	18.90
		Output Torque Nm	120	196	424	663	705	967	1990	4230	6660
		Efficiency %	68	69	72	76	76	84	86	86	88
45.0	21.33	Input Power kW	0.40	0.59	1.02	1.67	1.96	3.48	6.39	10.70	20.70
		Output Torque Nm	138	207	378	663	782	1340	2460	4240	8130
		Efficiency %	77	78	80	84	85	88	89	90	90
50.0	19.20	Input Power kW	0.36	0.50	1.00	1.56	1.88	3.09	5.88	9.75	19.10
		Output Torque Nm	145	206	405	663	796	1340	2540	4290	8320
		Efficiency %	77	78	80	85	84	87	88	89	90
56.0	17.14	Input Power kW	0.35	0.57	1.17	1.61	1.83	2.28	4.58	9.61	14.00
		Output Torque Nm	131	213	453	663	755	1010	2100	4670	7090
		Efficiency %	66	67	70	74	74	83	84	85	86
63.0	15.24	Input Power kW	0.32	0.52	1.07	1.40	1.64	2.04	4.06	8.81	12.60
		Output Torque Nm	135	220	465	663	780	1040	2150	4850	7230
		Efficiency %	65	67	69	73	74	83	84	84	86
71.0	13.52	Input Power kW	0.27	0.36	0.70	1.09	1.39	2.26	4.61	7.24	14.10
		Output Torque Nm	149	203	400	663	850	1340	2780	4440	8630
		Efficiency %	76	76	78	83	83	86	87	88	89
80.0	12.00	Input Power kW	0.24	0.30	0.61	1.00	1.27	2.07	4.17	6.63	12.40
		Output Torque Nm	149	189	393	663	850	1340	2750	4480	8740
		Efficiency %	75	76	78	83	83	86	87	88	89
90.0	10.67	Input Power kW	0.27	0.44	0.79	1.02	1.30	1.55	3.19	6.92	9.96
		Output Torque Nm	149	247	482	663	850	1110	2290	5310	7690
		Efficiency %	64	65	68	71	72	82	83	83	85
100.	9.60	Input Power kW	0.23	0.39	0.73	0.96	1.22	1.41	2.90	6.42	9.18
		Output Torque Nm	149	255	482	663	850	1140	2340	5440	7840
		Efficiency %	63	65	67	71	72	81	82	82	85
112.	8.57	Input Power kW	0.15	0.15	0.43	0.74	0.82	1.43	3.47	5.01	9.25
		Output Torque Nm	128	129	356	663	739	1260	3040	4610	8700
		Efficiency %	75	75	77	82	82	85	86	87	88
125.	7.68	Input Power kW	0.13	0.13	0.32	0.52	0.52	1.06	2.91	4.53	7.84
		Output Torque Nm	123	124	307	523	523	1030	2910	4650	7900
		Efficiency %	74	74	77	81	81	84	85	86	87
140.	6.86	Input Power kW	0.17	0.31	0.52	0.67	0.86	1.09	2.21	4.75	6.94
		Output Torque Nm	149	278	482	663	850	1200	2480	5580	8330
		Efficiency %	62	63	65	69	70	80	81	81	83
160.	6.00	Input Power kW	0.15	0.28	0.47	0.62	0.79	1.02	2.05	4.32	6.20
		Output Torque Nm	149	278	482	663	850	1220	2520	5580	8520
		Efficiency %	62	63	65	69	69	80	81	80	83
212.	4.53	Input Power kW	0.11	0.15	0.36	0.46	0.59	0.78	1.62	3.20	4.83
		Output Torque Nm	149	201	482	663	850	1270	2630	5580	8830
		Efficiency %	61	61	64	68	68	78	80	79	82
250.	3.84	Input Power kW	0.10	0.13	0.32	0.42	0.52	0.71	1.42	2.86	4.51
		Output Torque Nm	149	193	482	663	837	1270	2620	5580	8820
		Efficiency %	60	61	63	67	67	78	79	79	81

Input mechanical rating exceeds thermal capacity, check thermal power page 104

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 960 REV/MIN INPUT

TRIPLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT					
			C03	C04	C05	C06 Std	C06 Heavy	C07
100.	9.60	Input Power kW	0.19	0.26	0.50	0.79	1.01	1.63
		Output Torque Nm	149	201	395	663	850	1340
		Efficiency %	74	75	77	81	81	85
118.	8.14	Input Power kW	0.17	0.23	0.44	0.70	0.89	1.41
		Output Torque Nm	149	200	394	663	850	1340
		Efficiency %	73	74	77	81	81	84
132.	7.27	Input Power kW				0.74	0.95	
		Output Torque Nm				663	850	
		Efficiency %				69	69	
150.	6.40	Input Power kW				0.66	0.84	
		Output Torque Nm				663	850	
		Efficiency %				69	69	
160.	6.00	Input Power kW	0.13	0.17	0.32	0.49	0.63	1.01
		Output Torque Nm	149	198	390	663	850	1340
		Efficiency %	73	73	76	80	80	83
180.	5.33	Input Power kW	0.11	0.14	0.28	0.45	0.58	0.95
		Output Torque Nm	149	197	388	663	850	1340
		Efficiency %	72	73	75	80	80	83
200.	4.80	Input Power kW	0.13	0.23	0.38	0.49	0.63	0.84
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	60	61	64	67	67	78
225.	4.27	Input Power kW	0.11	0.20	0.33	0.44	0.56	0.73
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	61	63	67	67	77
265.	3.62	Input Power kW	0.08	0.10	0.20	0.32	0.41	0.66
		Output Torque Nm	149	195	385	663	847	1340
		Efficiency %	71	72	74	79	79	82
280.	3.43	Input Power kW	0.07	0.09	0.18	0.28	0.36	0.60
		Output Torque Nm	149	195	384	663	844	1340
		Efficiency %	71	72	74	78	78	82
315.	3.05	Input Power kW	0.08	0.15	0.25	0.31	0.40	0.52
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	60	62	65	65	77
360.	2.67	Input Power kW	0.07	0.13	0.22	0.29	0.37	0.49
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	58	59	62	65	65	77
400.	2.40	Input Power kW	0.05	0.07	0.13	0.22	0.27	0.44
		Output Torque Nm	149	193	381	663	838	1340
		Efficiency %	71	71	74	78	78	81
450.	2.13	Input Power kW	0.05	0.06	0.11	0.19	0.24	0.40
		Output Torque Nm	149	193	380	663	836	1340
		Efficiency %	70	71	73	78	78	81
500.	1.92	Input Power kW	0.05	0.09	0.16	0.20	0.26	0.34
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	61	63	64	75
560.	1.71	Input Power kW	0.05	0.09	0.14	0.18	0.23	0.31
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	60	63	63	75
800.	1.20	Input Power kW	0.03	0.06	0.10	0.14	0.18	0.23
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	56	57	60	62	62	74
900.	1.07	Input Power kW	0.03	0.06	0.09	0.12	0.16	0.20
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	56	57	59	62	62	74

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 725 REV/MIN INPUT

DOUBLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT								
			C03	C04	C05	C06 Std	C06 Heavy	C07	C08	C09	C10
8.0	90.63	Input Power kW	1.03	1.70	2.59	5.05	5.05	6.44	10.30	28.70	39.10
		Output Torque Nm	95	159	241	487	487	612	970	2800	3830
		Efficiency %	82	83	85	89	89	91	91	92	92
11.2	65.91	Input Power kW	0.83	1.37	2.37	4.10	4.10	6.44	10.30	23.60	39.10
		Output Torque Nm	102	172	306	550	550	843	1370	3160	5330
		Efficiency %	80	82	84	88	88	91	91	91	93
12.5	60.42	Input Power kW	0.75	1.25	2.23	3.82	3.82	6.44	10.30	22.00	39.10
		Output Torque Nm	105	177	316	572	572	944	1520	3290	5780
		Efficiency %	80	81	84	87	87	90	91	92	92
14.0	51.79	Input Power kW	0.69	1.15	2.06	3.55	3.55	6.36	10.30	20.50	36.20
		Output Torque Nm	109	183	329	595	595	1020	1680	3430	6070
		Efficiency %	80	81	83	87	87	90	91	92	92
16.0	45.31	Input Power kW	0.68	1.08	2.35	3.69	3.69	4.71	9.71	17.50	30.00
		Output Torque Nm	103	168	372	613	613	851	1750	3400	5900
		Efficiency %	70	72	74	78	78	87	87	87	88
18.0	40.28	Input Power kW	0.58	0.96	1.77	3.05	3.05	5.37	9.64	17.50	30.80
		Output Torque Nm	115	194	355	644	644	1120	2020	3750	6670
		Efficiency %	79	80	82	87	87	89	90	91	92
20.0	36.25	Input Power kW	0.55	0.91	1.63	2.78	2.81	4.94	8.96	16.30	29.30
		Output Torque Nm	117	198	370	663	670	1170	2100	3890	6850
		Efficiency %	79	80	82	86	86	89	90	91	92
22.0	32.95	Input Power kW	0.55	0.88	1.83	2.86	2.86	3.68	7.46	14.40	23.30
		Output Torque Nm	111	181	397	655	655	911	1880	3810	6330
		Efficiency %	69	71	73	77	77	86	86	87	88
25.0	29.00	Input Power kW	0.50	0.81	1.71	2.60	2.64	3.37	6.89	13.40	21.80
		Output Torque Nm	114	186	405	663	671	931	1920	3960	6440
		Efficiency %	68	70	72	76	76	85	86	86	88
28.0	25.89	Input Power kW	0.46	0.74	1.55	2.34	2.42	3.13	6.34	12.50	19.70
		Output Torque Nm	118	192	415	663	688	948	1960	4120	6590
		Efficiency %	68	69	72	76	76	85	86	86	88
32.0	22.66	Input Power kW	0.40	0.60	1.18	1.77	2.05	3.71	6.55	11.30	21.20
		Output Torque Nm	137	207	408	663	768	1330	2430	4200	8050
		Efficiency %	78	78	81	85	85	88	89	90	91
36.0	20.14	Input Power kW	0.39	0.62	1.30	1.87	2.04	2.54	5.19	10.60	16.00
		Output Torque Nm	125	203	435	663	724	993	2050	4460	6900
		Efficiency %	67	68	71	75	75	84	85	85	87
40.0	18.13	Input Power kW	0.37	0.59	1.19	1.66	1.86	2.29	4.73	9.90	15.10
		Output Torque Nm	127	208	447	663	743	1010	2090	4610	6990
		Efficiency %	66	68	70	75	75	83	85	85	86
45.0	16.11	Input Power kW	0.33	0.44	0.77	1.27	1.61	2.65	5.25	8.37	16.40
		Output Torque Nm	149	205	375	663	841	1340	2650	4370	8470
		Efficiency %	76	77	79	84	84	87	88	89	90
50.0	14.50	Input Power kW	0.28	0.38	0.76	1.19	1.53	2.35	4.56	7.64	14.90
		Output Torque Nm	149	204	401	663	850	1340	2590	4410	8530
		Efficiency %	76	77	79	84	83	87	88	89	90
56.0	12.95	Input Power kW	0.29	0.46	0.95	1.24	1.49	1.83	3.68	7.94	11.20
		Output Torque Nm	141	227	478	663	796	1070	2210	5050	7460
		Efficiency %	65	66	69	73	73	83	84	84	86
63.0	11.51	Input Power kW	0.27	0.43	0.85	1.08	1.33	1.64	3.27	7.25	10.20
		Output Torque Nm	147	238	482	663	822	1100	2270	5220	7640
		Efficiency %	64	66	68	72	72	83	83	83	85
71.0	10.21	Input Power kW	0.20	0.27	0.53	0.83	1.06	1.72	3.63	5.65	10.90
		Output Torque Nm	149	201	396	663	850	1340	2870	4550	8800
		Efficiency %	75	76	78	82	82	86	86	87	89
80.0	9.06	Input Power kW	0.18	0.23	0.46	0.76	0.97	1.58	3.15	5.17	9.53
		Output Torque Nm	149	187	390	663	850	1340	2730	4590	8810
		Efficiency %	75	75	77	82	82	85	86	87	88
90.0	8.06	Input Power kW	0.21	0.36	0.61	0.78	1.00	1.24	2.56	5.57	7.99
		Output Torque Nm	149	263	482	663	850	1170	2410	5580	8090
		Efficiency %	63	64	66	70	71	81	82	82	84
100.	7.25	Input Power kW	0.18	0.33	0.56	0.73	0.94	1.13	2.33	5.04	7.36
		Output Torque Nm	149	277	482	663	850	1190	2460	5580	8230
		Efficiency %	63	64	66	70	70	80	81	81	84
112.	6.47	Input Power kW	0.11	0.11	0.33	0.56	0.62	1.08	2.80	3.90	6.98
		Output Torque Nm	127	127	362	663	733	1250	3220	4710	8640
		Efficiency %	74	74	77	81	81	84	85	86	87
125.	5.80	Input Power kW	0.10	0.10	0.25	0.40	0.40	0.80	2.19	3.52	5.92
		Output Torque Nm	122	123	313	519	519	1020	2880	4750	7840
		Efficiency %	73	74	76	80	80	84	85	86	87
140.	5.18	Input Power kW	0.13	0.24	0.40	0.52	0.66	0.87	1.76	3.63	5.53
		Output Torque Nm	149	278	482	663	850	1250	2590	5580	8690
		Efficiency %	61	62	65	68	68	79	80	80	82
160.	4.53	Input Power kW	0.12	0.22	0.36	0.47	0.61	0.81	1.64	3.30	4.91
		Output Torque Nm	149	278	482	663	850	1270	2630	5580	8830
		Efficiency %	61	62	64	68	68	79	80	80	82
212.	3.42	Input Power kW	0.09	0.11	0.27	0.35	0.45	0.60	1.23	2.44	3.67
		Output Torque Nm	149	198	482	663	850	1270	2620	5580	8810
		Efficiency %	60	61	63	66	67	78	79	78	81
250.	2.90	Input Power kW	0.08	0.10	0.24	0.32	0.40	0.54	1.08	2.19	3.43
		Output Torque Nm	149	191	482	663	824	1270	2620	5580	8800
		Efficiency %	59	60	63	66	66	77	78	77	80

Input mechanical rating exceeds thermal capacity, check thermal power page 104

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 725 REV/MIN INPUT

TRIPLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT					
			C03	C04	C05	C06 Std	C06 Heavy	C07
100.	7.25	Input Power kW	0.15	0.19	0.36	0.60	0.77	1.24
		Output Torque Nm	149	199	392	663	850	1340
		Efficiency %	73	74	76	81	81	84
118.	6.14	Input Power kW	0.13	0.17	0.33	0.53	0.68	1.07
		Output Torque Nm	149	198	390	663	850	1340
		Efficiency %	73	73	76	80	80	84
132.	5.49	Input Power kW				0.57	0.73	
		Output Torque Nm				663	850	
		Efficiency %				86	66	
150.	4.83	Input Power kW				0.50	0.65	
		Output Torque Nm				663	850	
		Efficiency %				87	66	
160.	4.53	Input Power kW	0.10	0.13	0.24	0.37	0.46	0.77
		Output Torque Nm	149	197	387	663	850	1340
		Efficiency %	72	73	75	79	80	83
180.	4.03	Input Power kW	0.08	0.11	0.21	0.34	0.44	0.72
		Output Torque Nm	149	195	386	663	849	1340
		Efficiency %	72	72	75	79	79	83
200.	3.63	Input Power kW	0.10	0.17	0.29	0.38	0.48	0.64
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	60	63	66	66	77
225.	3.22	Input Power kW	0.08	0.15	0.26	0.34	0.43	0.55
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	59	60	62	66	66	77
265.	2.74	Input Power kW	0.06	0.08	0.15	0.24	0.31	0.50
		Output Torque Nm	149	194	382	663	841	1340
		Efficiency %	71	72	74	78	78	82
280.	2.59	Input Power kW	0.05	0.07	0.14	0.22	0.27	0.46
		Output Torque Nm	149	194	381	663	836	1340
		Efficiency %	71	72	73	78	78	82
315.	2.30	Input Power kW	0.06	0.12	0.19	0.24	0.30	0.40
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	58	59	61	64	65	76
360.	2.01	Input Power kW	0.05	0.10	0.17	0.22	0.26	0.37
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	58	59	61	64	64	75
400.	1.81	Input Power kW	0.04	0.05	0.10	0.17	0.21	0.34
		Output Torque Nm	149	192	379	663	833	1340
		Efficiency %	70	71	73	77	77	81
450.	1.61	Input Power kW	0.03	0.04	0.09	0.15	0.18	0.30
		Output Torque Nm	149	192	377	663	830	1340
		Efficiency %	70	71	73	77	77	81
500.	1.45	Input Power kW	0.04	0.07	0.12	0.16	0.20	0.26
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	60	63	63	75
560.	1.29	Input Power kW	0.04	0.07	0.11	0.14	0.18	0.24
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	59	62	63	74
800.	0.91	Input Power kW	0.03	0.05	0.08	0.11	0.14	0.17
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	56	57	59	61	62	74
900.	0.81	Input Power kW	0.02	0.04	0.07	0.09	0.12	0.16
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	56	57	59	61	61	73

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 480 REV/MIN INPUT

DOUBLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT								
			C03	C04	C05	C06 Std	C06 Heavy	C07	C08	C09	C10
8.0	60.00	Input Power kW	0.75	1.22	1.72	3.92	3.92	4.26	6.84	22 30	25.90
		Output Torque Nm	104	171	237	564	564	605	961	3270	3800
		Efficiency %	81	82	83	87	87	90	91	91	92
11.2	43.64	Input Power kW	0.51	1.00	1.72	3.18	3.16	4.26	6.84	18 30	25.90
		Output Torque Nm	111	188	329	632	632	839	1350	3650	5280
		Efficiency %	79	81	82	87	87	90	90	91	91
12.5	40.00	Input Power kW	0.55	0.88	1.72	2.93	2.93	4.26	6.84	17 00	25.90
		Output Torque Nm	115	188	360	656	656	939	1500	3800	5730
		Efficiency %	79	80	82	86	86	89	90	91	91
14.0	34.29	Input Power kW	0.51	0.83	1.58	2.65	2.72	4.26	6.84	15 80	25.90
		Output Torque Nm	119	196	375	563	680	1020	1560	3950	5490
		Efficiency %	79	80	82	86	86	89	90	91	91
16.0	30.00	Input Power kW	0.50	0.80	1.72	2.69	2.89	3.44	6.84	13 60	21.80
		Output Torque Nm	112	183	399	660	660	926	1830	3930	5430
		Efficiency %	68	70	72	77	77	85	88	88	87
18.0	26.67	Input Power kW	0.44	0.66	1.34	2.10	2.32	4.09	6.84	12 90	23.60
		Output Torque Nm	129	199	402	663	730	1270	2140	4130	7650
		Efficiency %	78	79	81	85	85	89	89	90	91
20.0	24.00	Input Power kW	0.42	0.64	1.21	1.88	2.13	3.75	6.82	11.70	22.40
		Output Torque Nm	133	207	408	663	757	1320	2390	4180	7840
		Efficiency %	78	79	81	85	85	89	89	90	91
22.0	21.82	Input Power kW	0.41	0.65	1.35	1.97	2.10	2.87	5.41	11 10	18.80
		Output Torque Nm	121	197	430	663	709	982	2030	4380	8530
		Efficiency %	67	69	71	75	75	84	86	85	87
25.0	19.20	Input Power kW	0.37	0.60	1.26	1.77	1.94	2.44	4.98	10 30	15.70
		Output Torque Nm	124	203	438	663	726	1000	2060	4520	8920
		Efficiency %	66	68	70	75	75	84	86	85	87
28.0	17.14	Input Power kW	0.34	0.55	1.14	1.59	1.76	2.26	4.58	9.58	14.20
		Output Torque Nm	126	209	449	663	744	1020	2100	4680	7070
		Efficiency %	66	67	70	74	74	84	86	85	86
32.0	15.00	Input Power kW	0.29	0.39	0.78	1.19	1.52	2.51	4.90	7.80	14.60
		Output Torque Nm	149	204	402	563	850	1340	2720	4390	8270
		Efficiency %	76	77	79	84	84	87	88	89	90
36.0	13.33	Input Power kW	0.30	0.47	0.96	1.27	1.50	1.83	3.74	8.07	11.60
		Output Torque Nm	139	224	473	563	782	1060	2200	5010	7400
		Efficiency %	65	66	69	73	73	82	84	84	86
40.0	12.00	Input Power kW	0.28	0.45	0.87	1.13	1.37	1.68	3.43	7.47	10.90
		Output Torque Nm	143	231	482	563	806	1090	2250	5150	7510
		Efficiency %	65	66	68	73	73	82	83	83	85
45.0	10.67	Input Power kW	0.22	0 29	0.51	0.85	1.09	1.78	3 47	5.82	11.20
		Output Torque Nm	149	202	369	683	850	1340	2620	4540	8620
		Efficiency %	75	76	78	83	83	86	87	88	89
50.0	9.60	Input Power kW	0.19	0 25	0.50	0.80	1.02	1.58	3 02	5.31	9.68
		Output Torque Nm	149	201	396	683	850	1340	2580	4580	8430
		Efficiency %	75	76	78	83	83	85	86	88	88
56.0	8.57	Input Power kW	0.21	0 38	0.65	0.84	1.06	1.33	2 67	5.92	8.15
		Output Torque Nm	149	261	482	683	850	1150	2380	5580	8050
		Efficiency %	63	65	67	71	71	81	82	82	84
63.0	7.62	Input Power kW	0.19	0 33	0.58	0.73	0.94	1.19	2 37	5.23	7.39
		Output Torque Nm	149	273	482	683	850	1180	2450	5580	8220
		Efficiency %	63	64	66	70	70	81	82	81	84
71.0	6.76	Input Power kW	0.14	0.18	0.35	0.56	0.71	1.15	2.40	3.91	7.22
		Output Torque Nm	149	199	391	683	850	1340	2840	4710	8700
		Efficiency %	74	75	77	81	81	85	85	87	88
80.0	6.00	Input Power kW	0.12	0.15	0.31	0.51	0.65	1.06	2 09	3 57	6.31
		Output Torque Nm	149	185	385	683	850	1340	2700	4750	8710
		Efficiency %	74	74	76	81	81	84	85	87	87
90.0	5.33	Input Power kW	0.14	0 26	0.41	0.53	0.68	0.89	1.84	3.76	5.74
		Output Torque Nm	149	278	482	683	850	1250	2570	5580	8630
		Efficiency %	62	63	65	69	69	80	80	80	83
100.	4.80	Input Power kW	0.12	0 22	0.38	0.50	0.64	0.81	1.67	3.40	5.27
		Output Torque Nm	149	278	482	683	850	1270	2620	5580	8770
		Efficiency %	61	62	65	68	68	79	80	80	82
112.	4.29	Input Power kW	0.08	0 08	0.23	0.38	0.41	0.71	1.97	2.69	4.62
		Output Torque Nm	125	126	372	683	724	1240	3210	4650	8550
		Efficiency %	73	73	76	80	80	84	84	85	86
125.	3.84	Input Power kW	0.06	0 06	0.17	0.26	0.26	0.53	1.45	2.42	3 92
		Output Torque Nm	121	121	319	513	513	1010	2850	4690	7760
		Efficiency %	73	73	75	80	80	83	84	85	86
140.	3.43	Input Power kW	0.09	0.16	0.27	0.35	0.45	0.59	1.20	2.45	3.77
		Output Torque Nm	149	278	482	683	850	1270	2620	5580	8810
		Efficiency %	60	61	63	67	67	78	79	78	81
160.	3.00	Input Power kW	0.08	0.15	0.24	0.32	0.41	0.54	1.10	2 23	3 29
		Output Torque Nm	149	278	482	683	850	1270	2620	5580	8800
		Efficiency %	60	61	63	66	66	78	78	78	81
212.	2.26	Input Power kW	0.06	0.08	0.19	0.24	0.31	0.40	0 83	1.64	2.46
		Output Torque Nm	149	195	482	683	850	1260	2610	5580	8770
		Efficiency %	59	60	62	65	65	76	76	77	79
250.	1.92	Input Power kW	0.05	0.06	0.16	0.22	0.28	0.36	0 72	1.47	2.30
		Output Torque Nm	149	187	482	683	806	1260	2610	5580	8760
		Efficiency %	58	59	62	65	65	76	77	76	79

Input mechanical rating exceeds thermal capacity, check thermal power page 104

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 480 REV/MIN INPUT

TRIPLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT					
			C03	C04	C05	C06 Std	C06 Heavy	C07
100.	4.80	Input Power kW	0.10	0.13	0.25	0.40	0.52	0.83
		Output Torque Nm	149	197	387	663	850	1340
		Efficiency %	72	73	75	80	80	83
118.	4.07	Input Power kW	0.09	0.11	0.22	0.36	0.46	0.72
		Output Torque Nm	149	196	386	663	850	1340
		Efficiency %	72	73	75	80	80	83
132.	3.64	Input Power kW				0.39	0.49	
		Output Torque Nm				663	850	
		Efficiency %				68	67	
150.	3.20	Input Power kW				0.34	0.44	
		Output Torque Nm				663	850	
		Efficiency %				66	66	
160.	3.00	Input Power kW	0.06	0.08	0.16	0.25	0.32	0.51
		Output Torque Nm	149	194	383	663	842	1340
		Efficiency %	71	72	74	79	79	82
180.	2.67	Input Power kW	0.06	0.07	0.14	0.23	0.29	0.46
		Output Torque Nm	149	194	382	663	840	1340
		Efficiency %	71	72	74	78	79	82
200.	2.40	Input Power kW	0.06	0.12	0.20	0.26	0.33	0.43
		Output Torque Nm	149	278	482	663	850	1270
		Efficiency %	58	60	62	65	65	77
225.	2.13	Input Power kW	0.06	0.10	0.17	0.23	0.29	0.37
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	58	59	61	64	65	76
265.	1.81	Input Power kW	0.04	0.05	0.10	0.16	0.20	0.33
		Output Torque Nm	149	192	378	663	832	1340
		Efficiency %	70	71	73	77	77	81
280.	1.71	Input Power kW	0.04	0.05	0.09	0.14	0.18	0.30
		Output Torque Nm	149	192	378	663	830	1340
		Efficiency %	70	71	73	77	77	81
315.	1.52	Input Power kW	0.04	0.08	0.13	0.18	0.21	0.26
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	61	63	63	75
360.	1.33	Input Power kW	0.04	0.07	0.11	0.15	0.19	0.25
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	60	63	63	75
400.	1.20	Input Power kW	0.03	0.03	0.06	0.11	0.14	0.23
		Output Torque Nm	149	190	375	663	825	1340
		Efficiency %	70	70	72	77	77	80
450.	1.07	Input Power kW	0.02	0.03	0.06	0.10	0.12	0.20
		Output Torque Nm	149	190	374	663	823	1340
		Efficiency %	70	70	72	78	77	80
500.	0.96	Input Power kW	0.03	0.05	0.08	0.11	0.14	0.17
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	56	57	59	62	61	74
560.	0.86	Input Power kW	0.02	0.04	0.07	0.09	0.12	0.16
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	56	57	59	61	61	74
600.	0.80	Input Power kW	0.02	0.03	0.05	0.07	0.09	0.12
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	55	56	58	61	61	73
900.	0.53	Input Power kW	0.02	0.03	0.05	0.06	0.08	0.10
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	55	56	58	60	60	73

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 250 REV/MIN INPUT

DOUBLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT								
			C03	C04	C05	C06 Std	C06 Heavy	C07	C08	C09	C10
8.0	31.25	Input Power kW	0.47	0.64	0.90	2.20	2.20	2.22	3.56	13.50	13.50
		Output Torque Nm	121	166	231	595	595	594	944	3730	3740
		Efficiency %	79	79	81	86	86	89	89	90	91
11.2	22.73	Input Power kW	0.39	0.52	0.90	1.76	2.04	2.22	3.56	11.10	13.50
		Output Torque Nm	135	181	321	663	769	818	1330	4210	5190
		Efficiency %	78	79	81	85	85	88	89	90	90
12.5	20.83	Input Power kW	0.36	0.46	0.90	1.58	1.89	2.22	3.56	10.10	13.50
		Output Torque Nm	141	181	352	663	793	916	1470	4260	5630
		Efficiency %	77	78	80	84	84	88	88	90	90
14.0	17.86	Input Power kW	0.34	0.43	0.90	1.41	1.74	2.22	3.56	9.15	13.50
		Output Torque Nm	148	191	398	663	817	1000	1630	4320	6380
		Efficiency %	77	78	80	84	84	87	88	89	90
16.0	15.63	Input Power kW	0.32	0.50	0.90	1.47	1.65	2.06	3.56	8.93	13.00
		Output Torque Nm	131	210	382	663	746	1030	1780	4810	7180
		Efficiency %	66	67	70	73	73	83	84	84	86
18.0	13.89	Input Power kW	0.27	0.34	0.72	1.12	1.43	2.22	3.56	7.34	12.90
		Output Torque Nm	149	194	400	663	850	1300	2100	4430	7890
		Efficiency %	76	77	79	84	84	87	88	89	89
20.0	12.50	Input Power kW	0.25	0.33	0.63	0.99	1.27	2.02	3.56	6.66	11.80
		Output Torque Nm	149	202	399	663	850	1340	2350	4480	7740
		Efficiency %	76	77	79	83	83	87	87	88	89
22.0	11.36	Input Power kW	0.27	0.42	0.82	1.07	1.32	1.60	3.25	7.16	10.10
		Output Torque Nm	146	234	482	663	816	1100	2280	5230	7660
		Efficiency %	64	65	68	72	72	82	83	83	85
25.0	10.00	Input Power kW	0.24	0.39	0.75	0.96	1.23	1.46	3.00	6.61	9.46
		Output Torque Nm	149	245	482	663	845	1130	2320	5380	7780
		Efficiency %	64	65	68	72	72	82	83	83	85
28.0	8.93	Input Power kW	0.22	0.36	0.67	0.86	1.11	1.36	2.76	6.08	8.57
		Output Torque Nm	149	256	482	663	850	1140	2370	5530	7960
		Efficiency %	64	65	67	71	71	81	83	82	84
32.0	7.81	Input Power kW	0.16	0.21	0.41	0.63	0.81	1.33	3.02	4.44	7.58
		Output Torque Nm	149	200	393	663	850	1340	3150	4660	8130
		Efficiency %	75	76	77	82	82	86	86	87	88
36.0	6.94	Input Power kW	0.17	0.31	0.53	0.69	0.89	1.10	2.25	4.82	6.95
		Output Torque Nm	149	278	482	663	850	1200	2470	5580	8320
		Efficiency %	63	64	66	70	70	81	82	81	84
40.0	6.25	Input Power kW	0.16	0.29	0.47	0.61	0.79	0.99	2.05	4.34	6.54
		Output Torque Nm	149	278	482	663	850	1220	2510	5580	8420
		Efficiency %	62	64	66	70	70	80	81	81	83
45.0	5.56	Input Power kW	0.12	0.15	0.26	0.45	0.58	0.94	1.81	3.25	5.82
		Output Torque Nm	149	198	362	663	850	1340	2570	4780	8480
		Efficiency %	74	75	77	81	81	84	85	86	87
50.0	5.00	Input Power kW	0.10	0.13	0.26	0.42	0.54	0.84	1.57	2.96	5.14
		Output Torque Nm	149	197	388	663	850	1340	2510	4820	8290
		Efficiency %	73	74	76	81	81	84	85	86	87
56.0	4.46	Input Power kW	0.11	0.21	0.35	0.46	0.59	0.78	1.57	3.18	4.77
		Output Torque Nm	149	278	482	663	850	1270	2630	5580	8830
		Efficiency %	61	62	65	68	68	79	80	80	82
63.0	3.97	Input Power kW	0.10	0.18	0.31	0.40	0.51	0.69	1.36	2.81	4.23
		Output Torque Nm	149	278	482	663	850	1270	2620	5580	8820
		Efficiency %	61	62	64	68	68	79	79	79	82
71.0	3.52	Input Power kW	0.07	0.09	0.18	0.29	0.38	0.61	1.25	2.16	3.76
		Output Torque Nm	149	195	384	663	846	1340	2800	4930	8560
		Efficiency %	73	73	75	80	80	83	84	85	86
80.0	3.13	Input Power kW	0.07	0.08	0.16	0.27	0.34	0.56	1.09	1.97	3.28
		Output Torque Nm	149	182	378	663	843	1340	2660	4950	8570
		Efficiency %	72	73	75	80	79	83	84	85	86
90.0	2.78	Input Power kW	0.08	0.14	0.22	0.29	0.37	0.48	1.00	2.01	3.12
		Output Torque Nm	149	278	482	663	850	1270	2610	5580	8790
		Efficiency %	60	61	63	66	66	78	78	78	81
100.	2.50	Input Power kW	0.06	0.12	0.20	0.27	0.35	0.43	0.89	1.82	2.82
		Output Torque Nm	149	278	482	663	850	1270	2610	5580	8780
		Efficiency %	59	60	63	66	66	78	78	78	80
112.	2.23	Input Power kW	0.04	0.04	0.12	0.20	0.21	0.37	0.97	1.48	2.41
		Output Torque Nm	123	124	381	663	712	1220	3160	5040	8420
		Efficiency %	72	72	74	79	79	82	83	84	85
125.	2.00	Input Power kW	0.03	0.03	0.09	0.14	0.14	0.28	0.76	1.30	2.04
		Output Torque Nm	119	120	314	505	505	997	2810	4980	7640
		Efficiency %	72	72	74	78	78	82	82	84	85
140.	1.79	Input Power kW	0.05	0.09	0.15	0.19	0.24	0.31	0.64	1.31	2.00
		Output Torque Nm	149	278	482	663	850	1260	2600	5580	8750
		Efficiency %	58	59	61	65	65	76	77	76	79
160.	1.56	Input Power kW	0.04	0.08	0.13	0.17	0.22	0.29	0.58	1.19	1.74
		Output Torque Nm	149	278	482	663	850	1260	2600	5580	8740
		Efficiency %	58	59	61	64	64	76	77	76	79
212.	1.18	Input Power kW	0.03	0.04	0.10	0.13	0.17	0.21	0.44	0.88	1.30
		Output Torque Nm	149	190	482	663	850	1260	2600	5580	8720
		Efficiency %	57	58	60	63	63	75	76	75	78
250.	1.00	Input Power kW	0.03	0.03	0.09	0.12	0.14	0.19	0.38	0.79	1.22
		Output Torque Nm	149	183	482	663	781	1260	2590	5580	8710
		Efficiency %	57	58	60	62	63	75	75	74	77

Input mechanical rating exceeds thermal capacity, check thermal power page 104

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

RATINGS AT 250 REV/MIN INPUT

TRIPLE REDUCTION

Nominal Ratio	Nominal Output Speed Rev/Min	CAPACITY	SIZE OF UNIT					
			C03	C04	C05	C06 Std	C06 Heavy	C07
100.	2.50	Input Power kW	0.05	0.07	0.13	0.21	0.27	0.44
		Output Torque Nm	149	193	381	663	838	1340
		Efficiency %	71	72	74	78	79	82
118.	2.12	Input Power kW	0.05	0.06	0.11	0.19	0.24	0.38
		Output Torque Nm	149	193	380	663	835	1340
		Efficiency %	71	72	74	78	78	82
132.	1.89	Input Power kW				0.21	0.27	
		Output Torque Nm				663	850	
		Efficiency %				64	64	
150.	1.67	Input Power kW				0.18	0.24	
		Output Torque Nm				663	850	
		Efficiency %				64	64	
160.	1.56	Input Power kW	0.03	0.04	0.08	0.13	0.17	0.27
		Output Torque Nm	149	191	377	663	828	1340
		Efficiency %	71	71	73	77	77	81
180.	1.39	Input Power kW	0.03	0.04	0.07	0.12	0.15	0.25
		Output Torque Nm	149	191	376	663	827	1340
		Efficiency %	70	71	73	77	77	81
200.	1.25	Input Power kW	0.03	0.06	0.10	0.14	0.18	0.23
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	60	63	63	75
225.	1.11	Input Power kW	0.03	0.05	0.09	0.12	0.16	0.20
		Output Torque Nm	149	278	482	663	850	1260
		Efficiency %	57	58	60	62	62	75
265.	0.94	Input Power kW	0.02	0.03	0.05	0.09	0.11	0.18
		Output Torque Nm	149	190	374	663	821	1340
		Efficiency %	70	70	72	76	76	80
280.	0.89	Input Power kW	0.02	0.02	0.05	0.08	0.09	0.16
		Output Torque Nm	149	189	373	663	819	1340
		Efficiency %	69	70	72	76	76	80
315.	0.79	Input Power kW	0.02	0.04	0.07	0.09	0.11	0.14
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	56	57	59	61	62	74
360.	0.69	Input Power kW	0.02	0.04	0.06	0.08	0.10	0.13
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	56	57	59	61	61	74
400.	0.63	Input Power kW	0.01	0.02	0.03	0.06	0.07	0.12
		Output Torque Nm	149	188	371	663	814	1340
		Efficiency %	69	70	72	76	76	80
450.	0.56	Input Power kW	0.01	0.02	0.03	0.05	0.06	0.11
		Output Torque Nm	149	188	370	663	813	1340
		Efficiency %	69	69	71	75	76	79
500.	0.50	Input Power kW	0.01	0.03	0.04	0.06	0.07	0.09
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	55	56	58	60	60	73
560.	0.45	Input Power kW	0.01	0.02	0.04	0.05	0.06	0.08
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	55	56	58	60	60	73
800.	0.31	Input Power kW	0.009	0.02	0.03	0.04	0.05	0.06
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	55	55	57	59	59	72
900.	0.28	Input Power kW	0.008	0.01	0.02	0.03	0.04	0.05
		Output Torque Nm	149	278	482	663	850	1250
		Efficiency %	54	55	57	59	59	72

Size C06
Column 11 Entry

Standard duty - C or D

Heavy duty - J or K

For shaft mount unit H use heavy duty ratings

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.

The ratings listed below are true for horizontal mounting positions A, B or C running continuosly with an ambient temperature equal to 20°C. For other mounting positions, ambients and units operating intermitently multiply thermal power ratings by factors Ft, Fp and Fd as appropriate.

Table 1. Thermal Power (kW)

Overall Ratios	Input Rev/min	Unit Size							
		C03	C04	C05	C06	C07	C08	C09	C10
8 to 14	2900	2.80	3.85	4.69	5.1	Consult Power Build Ltd.			
	1750	1.98	3.26	4.85	5.27				
	1450	1.73	2.85	4.41	4.46	5.71	9.53	18.2	32.5
	1160	1.45	2.40	3.89	3.91	5.71	9.53	11.5	27.7
	960	1.24	2.10	3.45	3.50	5.71	9.53	11.2	24.6
	725	1.07	1.69	2.70	2.79	5.31	9.02	10.0	20.6
	480	0.74	1.22	1.93	1.99	4.11	7.12	9.85	14.6
	250	0.47	0.63	1.09	1.12	2.36	4.19	5.68	8.24
16 to 28	2900	1.70	2.76	3.07	3.73	Consult Power Build Ltd.			
	1750	1.28	2.03	3.48	3.53	5.01	7.79	13.6	22.5
	1450	1.09	1.62	3.18	3.20	4.95	7.41	12.9	19.4
	1160	0.92	1.37	2.78	2.80	4.81	7.27	11.8	17.0
	960	0.83	1.26	2.45	2.49	4.48	6.91	10.7	14.9
	725	0.67	0.96	1.97	2.02	3.96	6.91	8.71	12.4
	480	0.47	0.66	1.64	1.66	2.90	4.87	6.50	8.78
	250	0.28	0.35	0.89	0.92	1.74	2.95	3.99	4.93
32 to 71	2900	1.22	2.15	3.20	4.41	7.26	9.64	18.6	36.1
	1750	0.84	1.44	2.35	3.70	5.44	7.35	13.0	23.3
	1450	0.69	1.15	2.05	3.26	4.88	7.32	11.6	20.1
	1160	0.57	0.95	1.72	2.79	4.44	7.06	10.9	16.6
	960	0.51	0.85	1.55	2.43	3.97	6.47	8.76	14.1
	725	0.40	0.66	1.18	1.78	3.53	5.15	7.25	11.0
	480	0.33	0.45	0.87	1.28	2.50	3.70	5.37	7.53
	250	0.18	0.30	0.54	0.70	1.33	2.25	2.97	4.07

Table 2. Thermal service factor Ft

Thermal service factor for ambient temperature

Ambient temperature °C	-30	-20	-10	0	10	20	30	40	50
Factor	1.68	1.55	1.41	1.27	1.14	1.0	0.84	0.68	0.50

Table 3. Thermal service factor Fp

Thermal service factor for mounting positions

Unit Output Speed (Rev / min)	Mounting Position				
	ABC	DEF	GHJ KMN	PST	WXY
0 to 25	1.00	0.996	0.997	0.995	0.993
>25 to 50	1.00	0.990	0.993	0.986	0.982
>50 to 75	1.00	0.981	0.987	0.974	0.968
>75 to 100	1.00	0.970	0.980	0.960	0.950
>100 to 200	1.00	0.914	0.943	0.896	0.856
>200 to 300	1.00	0.844	0.896	0.792	0.840
>300 to 400	1.00	0.760	0.840	0.680	0.600
>400	1.00	0.724	0.809	0.618	0.533

Table 4. Thermal service factor Fd

Thermal service factor for duration of running

Unit Output Speed (Rev / min)	% Running time per hour				
	100	80	60	40	20
0 to 10	1.00	1.18	1.45	1.72	2.39
>10 to 25	1.00	1.16	1.39	1.64	2.22
>25 to 50	1.00	1.14	1.31	1.54	2.00
>50 to 100	1.00	1.08	1.19	1.33	1.84
>100 to 150	1.00	1.04	1.08	1.19	1.41
>150 to 200	1.00	1.00	1.00	1.06	1.23
>200	1.00	1.00	1.00	1.00	1.00

Table 5. Thermal Power (kW) with cooling fan

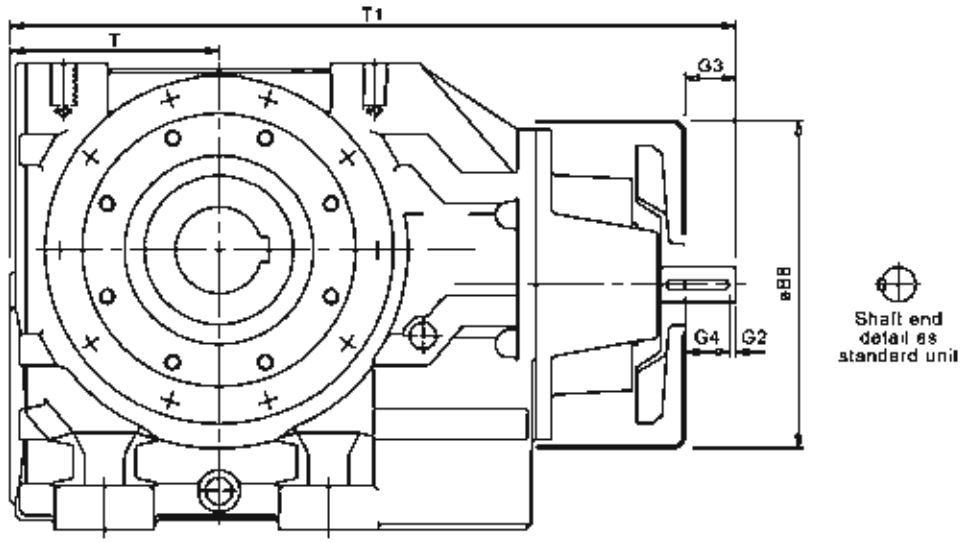
Overall Ratios	Input Rev/min	Unit Size							
		C03	C04	C05	C06	C07	C08	C09	C10
8 to 14	2900	-	-	-	-	Consult Power Build Ltd.			
	1750	-	-	-	-				
	1450	-	-	-	-	11.4	19.1	36.4	65.0
	1160	-	-	-	-	10.6	17.6	22.5	52.2
	960	-	-	-	-	10.0	16.7	19.6	43.0
	725	-	-	-	-	8.00	13.5	15.0	30.9
16 to 28	2900	-	-	-	-	Consult Power Build Ltd.			
	1750	-	-	-	-	11.3	17.7	30.9	51.2
	1450	-	-	-	-	11.2	17.5	30.6	50.6
	1160	-	-	-	-	9.90	14.8	25.8	38.8
	960	-	-	-	-	8.90	13.4	21.8	31.5
	725	-	-	-	-	7.84	12.1	18.7	26.1

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



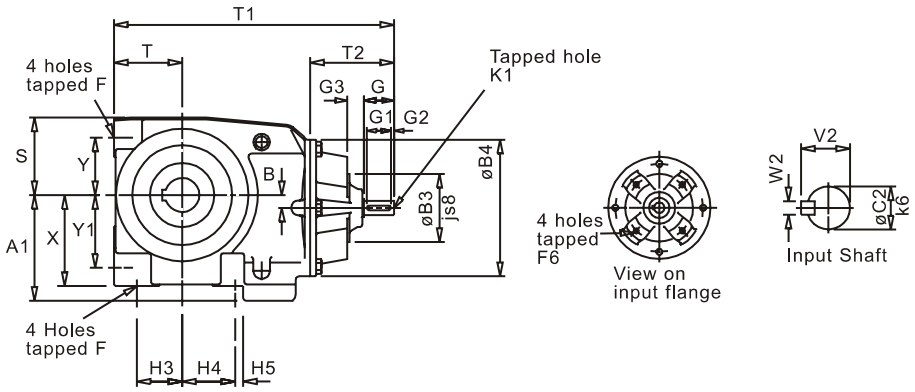
Unit Size	Moment of Inertia * (Kg cm²)	øB8	G2	G3	G4	T	T1
C0720	13.1	225	5	35	30	143	478
C0820	13.1	265	5	45	40	168	583
C0920	33.5	320	5	65	60	195	690
C1020	33.5	380	10	95	85	235	823

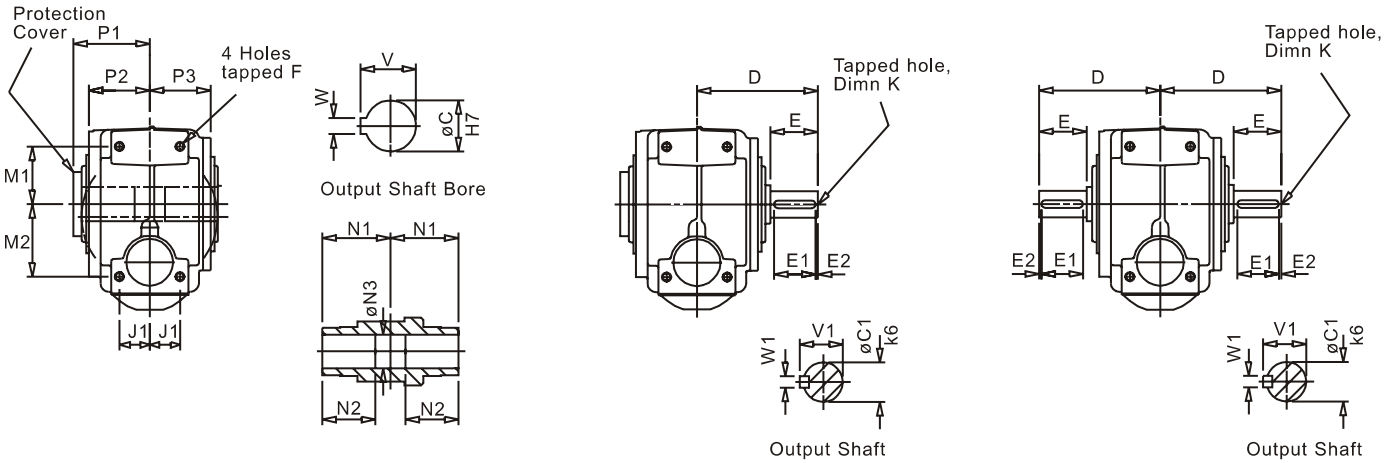
* Moment of Inertia of fan should be added to inertia value of gear unit on page 86.

DIMENSIONS DOUBLE REDUCTION

C	0		2	0				W	R

STANDARD UNIT DOUBLE REDUCTION





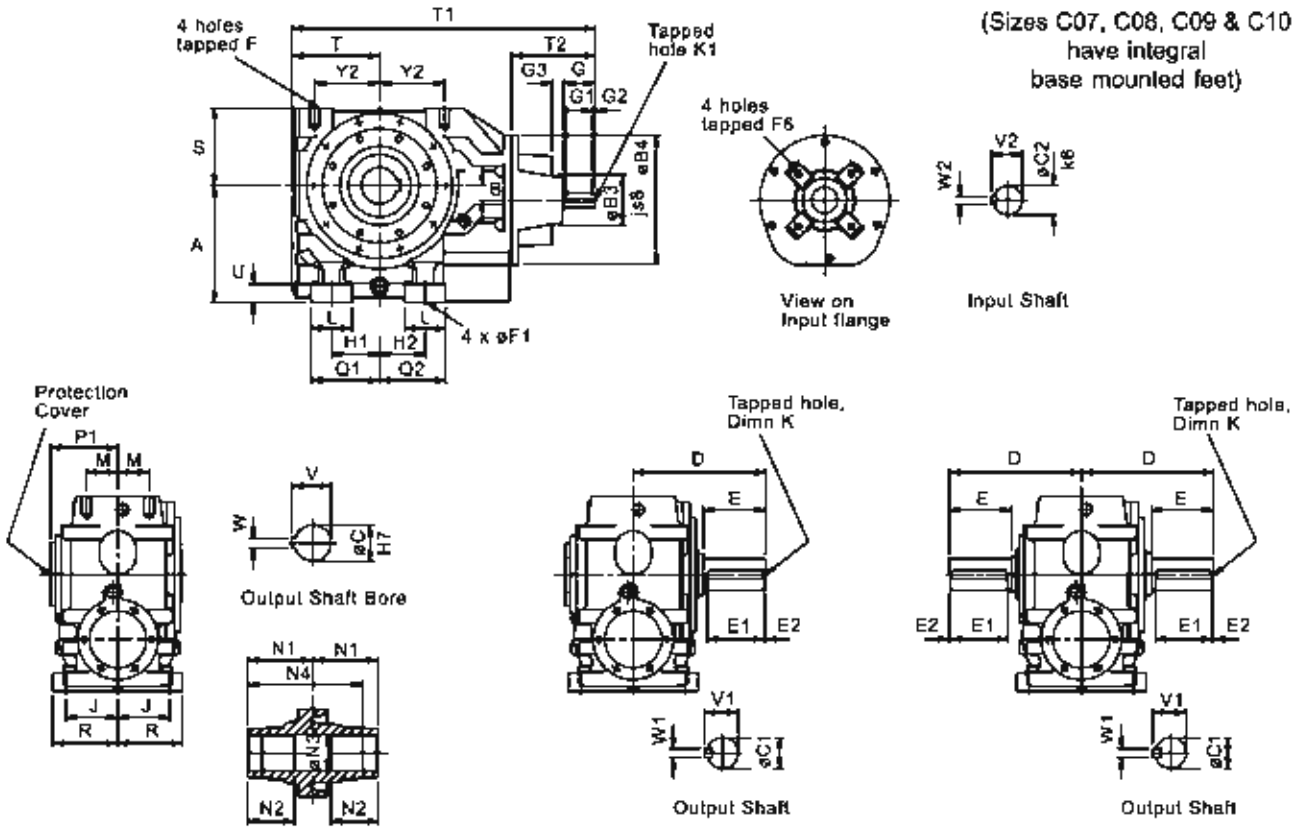
SIZE	A1	B	B3	B4	C	C1	C2	D	E	E1	E2	F	F6	G	G1	G2	G3	H3	H4	H5	J1
C0320	79.5	5.3	65	140	20	20	16	100	35	31	3	M8x1.25 15 deep	M8x1.25 16 deep, 90 pcd	40	32	4	12	35	28	15.5	27
C0420	93	15	65	140	30	25	16	115	46	42	3	M10x1.5 20 deep	M8x1.25 16 deep, 90 pcd	40	32	4	12	35	45	11	28
C0520	112	13	65	140	35	30	16	134	60	53	3	M10x1.5 18 deep	M8x1.25 16 deep, 90 pcd	40	32	4	12	45	55	12	34
C0620 Std	139.5	17	90	180	45	35	19	160	63	55	3	M12x1.75 20 deep	M10x1.5 17 deep, 115 pcd	40	32	4	22	56	66	13	40
C0620 HD	139.5	17	90	180	45	45	19	195	98	80	5	M12x1.75 20 deep	M10x1.5 17 deep, 115 pcd	40	32	4	22	56	66	13	40

SIZE	K	K1	M1	M2	N1	N2	N3	P1	P2	P3	S	T	T1	T2	V	V1	V2	W	W1	W2	X	Y	Y1
C0320	M6x1.0 16 deep	M5x0.8 12.5 deep	40	40	62	52	20.2	70	61	57	68	54	274	111	22.9	22.5	18	6	6	5	71	40	40
C0420	M10x1.5 22 deep	M5x0.8 12.5 deep	53	65	65	54	30.2	74.5	65.5	65	75	64	293	111	33.5	28	18	8	8	5	86	53	65
C0520	M10x1.5 22 deep	M5x0.8 12.5 deep	65	77	70	56	35.3	79	70	70	88	68	313	111	38.5	33	18	10	8	5	96	65	77
C0620 Std	M12x1.75 22 deep	M6x1.0 16 deep	76	96	90	70	45.3	101	90	90.5	103	90	370	111	49	38	21.5	14	10	6	120	76	96
C0620 HD	M16x2.0 36 deep	M6x1.0 16 deep	76	96	90	70	45.3	101	90	90.5	103	90	370	111	49	48.5	21.5	14	14	6	120	76	96

DIMENSIONS DOUBLE REDUCTION

C			2	0				B	R

STANDARD UNIT DOUBLE REDUCTION



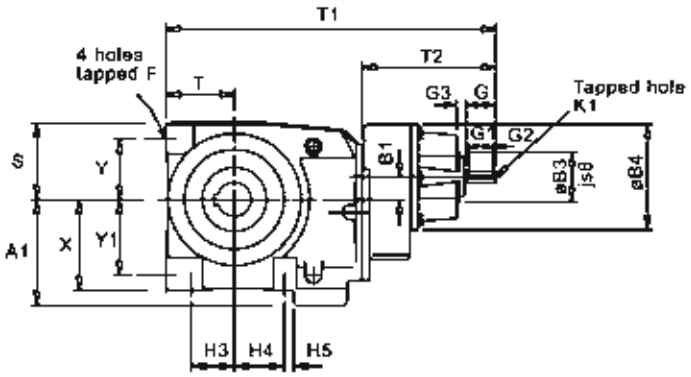
SIZE	A	B	B3	B4	C	C1	C2	D	E	E1	E2	F	F1	F6	G	G1	G2	G3	H1	H2	J	K
C0720	180	26	98	212	80	45 k6	24	195	76	70	3	M20x2.5 34 deep	18	M12x1.75 20 deep 145 pcd	50	40	5	23	75	80	75	M16x2 36 deep
C0820	225	28	98	250	70	60 m6	28	255	120	110	3	M20x2.5 34 deep	22	M12x1.75 20 deep 145 pcd	60	50	5	23	92	88	100	M20x2.5 42 deep
C0920	280	40	125	300	90	70 m6	38	295	135	125	3	M24x3 45 deep	26	M16x2 30 deep 175 pcd	80	70	5	23	115	120	125	M20x2.5 42 deep
C1020	335	65	155	360	100	90 m6	42	366	170	160	3	M24x3 45 deep	26	M20x2.5 38 deep 210 pcd	110	70	10	34	170	140	150	M24x3 50 deep

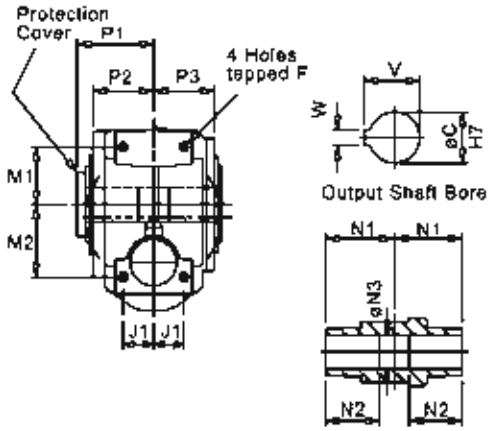
SIZE	K1	L	M	N1	N2	N3	N4	P1	Q1	Q2	R	S	T	T1	T2	U	V	V1	V2	W	W1	W2	Y2
C0720	M8x1.25 19 deep	67	50	109	79	60.5	188	124.5	108.5	93.5	92.5	122	143	478	115	28	64.6	48.5	27	18	14	8	107.5
C0820	M10x1.5 22 deep	80	80	125	90	70.5	220	143	132	128	125	150	168	583	160	35	75.1	64	31	20	18	8	125
C0920	M12x1.75 28 deep	85	67.5	150	107.5	90.5	265	169	157.5	162.5	152.5	177	195	690	195	40	95.6	74.5	41	25	20	10	145
C1020	M16x2 36 deep	110	75	175	132.5	100.5	313	198	225	195	180	230	235	823	233	45	106.6	95	45	28	25	12	172.5

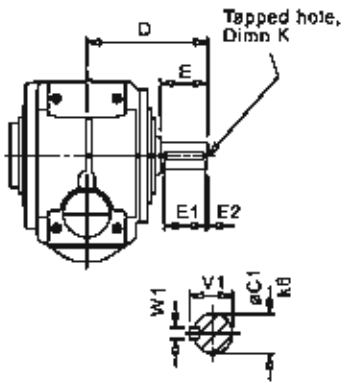
DIMENSIONS TRIPLE REDUCTION

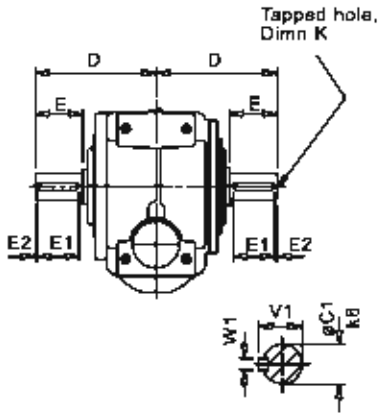
C	0		3	0				W	R

STANDARD UNIT TRIPLE REDUCTION









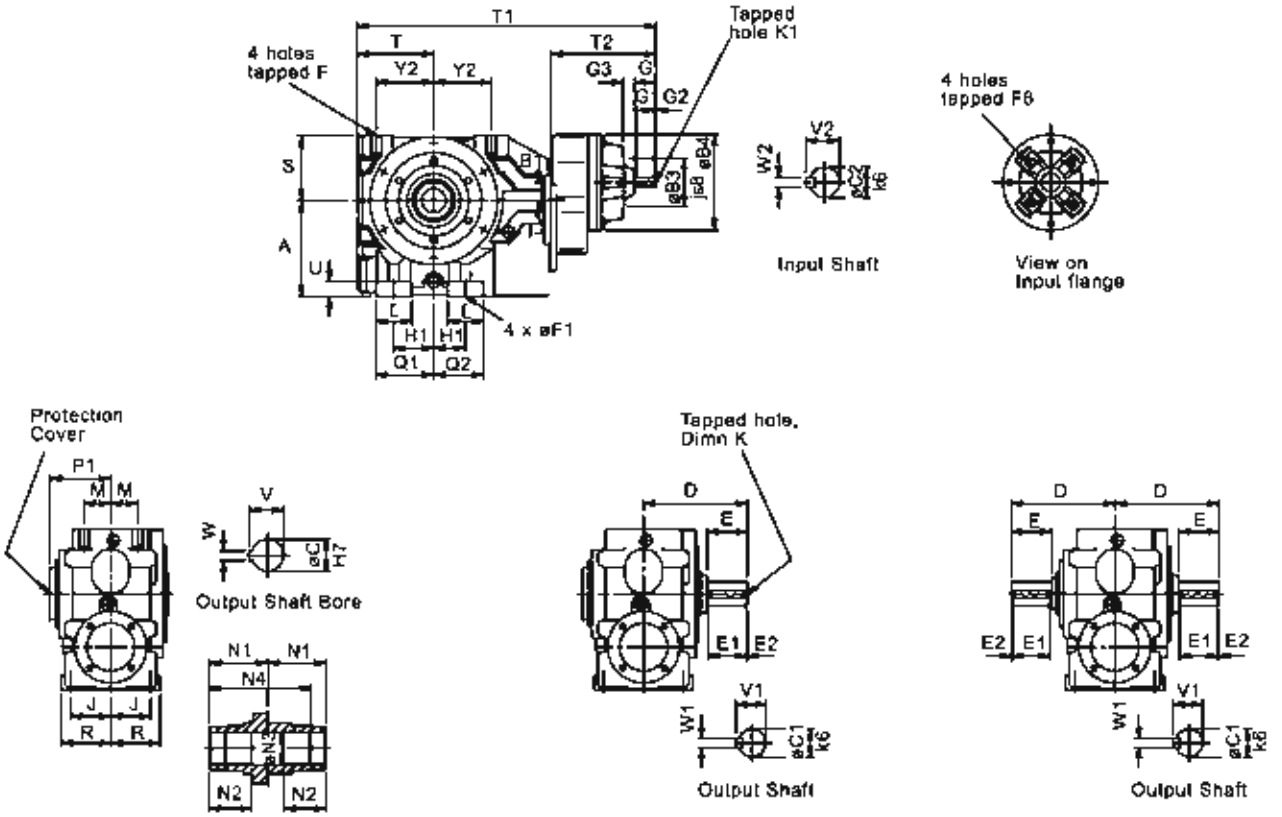
SIZE	A1	B1	B3	B4	C	C1	C2	D	E	E1	E2	F	F6	G	G1	G2	G3	H3	H4	H5	J1
C0330	79.5	30.75	65	140	20	20	16	100	35	31	3	M8x1.25 15 deep	M8x1 25 16 deep, 90 pcd	40	32	4	12	35	28	15.5	27
C0430	93	21.2	65	140	30	25	16	115	46	42	3	M10x1.5 20 deep	M8x1.25 16 deep, 90 pcd	40	32	4	12	35	45	11	28
C0530	112	23	65	140	35	30	16	134	60	53	3	M10x1.5 18 deep	M8x1.25 16 deep, 90 pcd	40	32	4	12	45	55	12	34
C0630 Std	139.5	30	65	140	45	35	16	160	63	55	3	M12x1.75 20 deep	M8x1.25 16 deep, 90 pcd	40	32	4	12	56	66	13	40
C0630 HD	139.5	30	65	140	45	45	16	195	98	90	5	M12x1.75 20 deep	M8x1.25 16 deep, 90 pcd	40	32	4	12	56	66	13	40

SIZE	K	K1	M1	M2	N1	N2	N3	P1	P2	P3	S	T	T1	T2	V	V1	V2	W	W1	W2	X	Y	Y1
C0330	M6x1.0 16 deep	M5x0.8 12.5 deep	40	40	62	52	20.2	70	61	57	68	54	330	167	22.9	22.5	18	8	6	5	71	40	40
C0430	M10x1.5 22 deep	M5x0.8 12.5 deep	53	65	65	54	30.2	74.5	65.5	65	75	84	349	167	33.5	28	18	8	8	5	88	53	65
C0530	M10x1.5 22 deep	M5x0.8 12.5 deep	65	77	70	56	35.3	79	70	70	88	68	369	167	38.5	33	18	10	8	5	98	65	77
C0630 Std	M12x1.75 22 deep	M5x0.8 12.5 deep	76	98	90	70	45.3	101	90	90.5	103	90	436	177	49	38	18	14	10	5	120	76	96
C0630 HD	M16x2.0 36 deep	M5x0.8 12.5 deep	76	96	90	70	45.3	101	90	90.5	103	90	436	177	49	48.5	18	14	14	5	120	76	96

DIMENSIONS TRIPLE REDUCTION

C	0	7	3	0				B	R

STANDARD UNIT TRIPLE REDUCTION



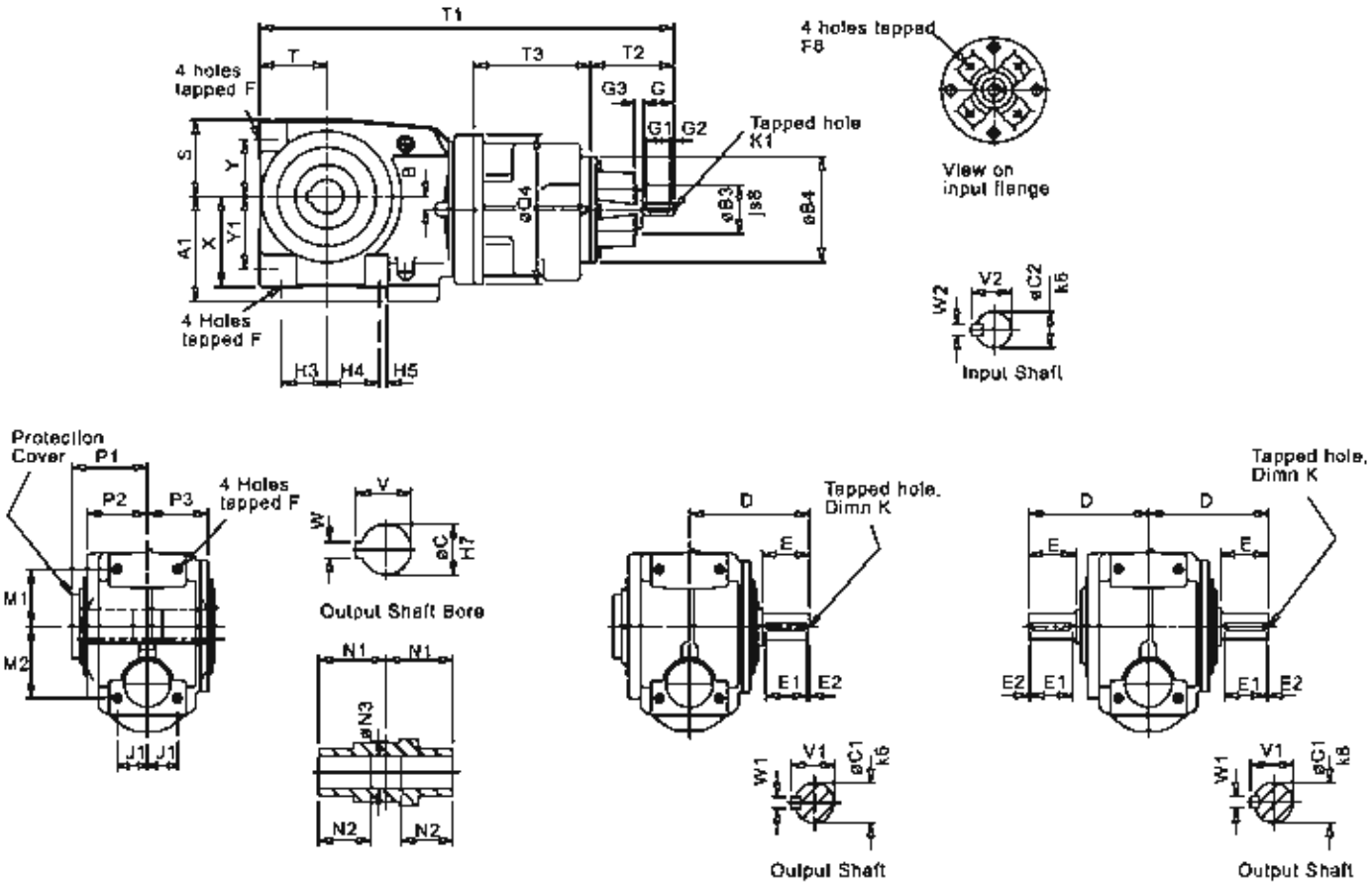
SIZE	A	B1	B3	B4	C	C1	C2	D	E	E1	E2	F	F1	F6	G	G1	G2	G3	H1	H2	J
C0730	180	34	78	180	60	45	19	195	76	70	3	M20x2.5 34 deep	18	M10x1.5 17 deep, 115 pcd	40	32	4	22	75	60	75

SIZE	K	K1	L	N1	N2	N3	N4	P1	Q1	Q2	R	S	T	T1	T2	U	V	V1	V2	W	W1	W2
C0730	M16x2 36 deep	M6x1 16 deep	67	109	79	60.5	168	124.5	108.5	93.5	92.5	122	143	560	197	28	64.6	48.5	21.5	18	14	6

DIMENSIONS QUADRUPLE REDUCTION

C	0	6	4	0				W	R

STANDARD UNIT QUADRUPLE REDUCTION



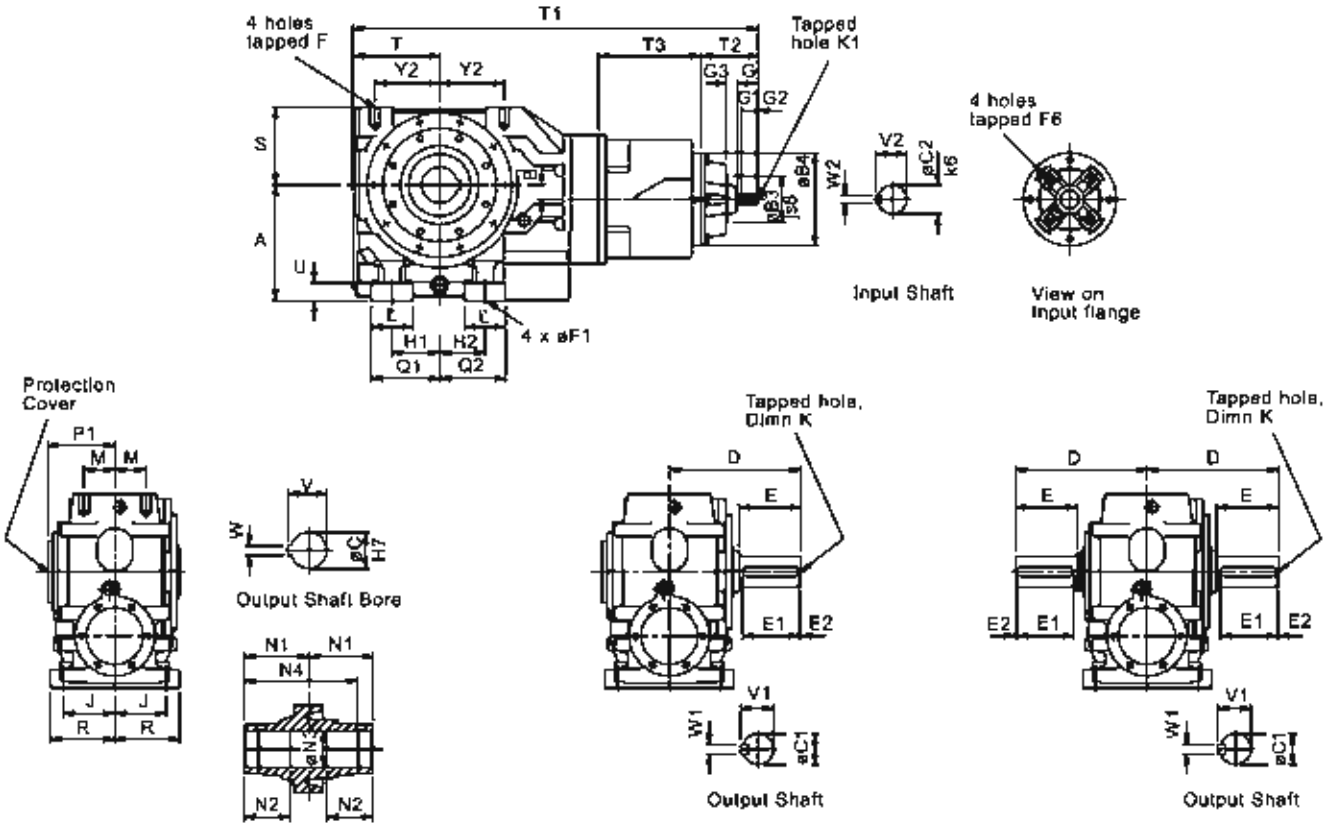
SIZE	A1	B	B3	B4	C	C1	C2	D	E	E1	E2	F	F8	G	G1	G2	G3	H3	H4	H5	J1	K
C0640 Std	139.5	17	65	140	45	35	16	160	83	55	3	M12x1.75 20 deep	M8x1.25 16 deep 90 pcd	40	32	4	12	56	56	13	40	M12x1.75 22 deep
C0640 HD	139.5	17	65	140	45	45	16	195	98	80	5	M12x1.75 20 deep	M8x1.25 16 deep 90 pcd	40	32	4	12	56	56	13	40	M16x2.0 36 deep

SIZE	K1	M1	M2	N1	N2	N3	P1	P2	P3	Q4	S	T	T1	T2	T3	V	V1	V2	W	W1	W2	X	Y	Y1
C0640 Std	M5x0.8 12.5 deep	76	96	90	70	45.3	101	90	90.5	200	103	90	533	111	158	48	38	18	14	10	5	120	76	96
C0640 HD	M5x0.8 12.5 deep	76	96	90	70	45.3	101	90	90.5	200	103	90	533	111	158	48	48.5	18	14	14	5	120	76	96

DIMENSIONS QUADRUPLE REDUCTION

C			4	0				B	R

STANDARD UNIT QUADRUPLE REDUCTION



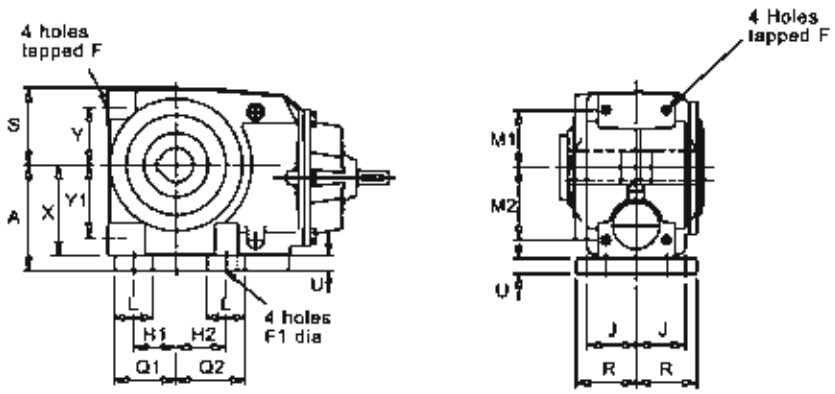
SIZE	A	B	B3	B4	C	C1	C2	D	E	E1	E2	F	F1	F6	G	G1	G2	G3	H1	H2	J	K
C0740	180	26	65	140	80	45 k6	16	195	76	70	3	M20x2.5 34 deep	18	M8x1.25 16 deep 90 pcd	40	32	4	12	75	60	75	M16x2 36 deep
C0840	225	28	76	180	70	60 m6	19	255	120	110	3	M20x2.5 34 deep	22	M10x1.5 17 deep 115 pcd	40	32	4	22	92	68	100	M20x2.5 42 deep
C0940	280	40	76	180	90	70 m6	19	295	135	125	3	M24x3 45 deep	26	M10x1.5 17 deep 115 pcd	40	32	4	22	115	120	125	M20x2.5 42 deep
C1040	335	65	98	212	100	90 m6	24	366	170	160	3	M24x3 45 deep	26	M12x1.75 20 deep 145 pcd	50	40	5	23	170	140	150	M24x3 50 deep

SIZE	K1	L	M	N1	N2	N3	N4	P1	Q1	Q2	R	S	T	T1	T2	T3	U	V	V1	V2	W	W1	W2	Y2
C0740	M5x0.8 12.5 deep	67	50	109	79	60.5	188	124.5	108.5	93.5	92.5	122	143	664	111	156	28	64.6	48.5	18	18	14	5	107.5
C0840	M6x1 16 deep	80	80	125	90	70.5	220	143	132	128	125	150	168	785	111	198	35	75.1	64	21.5	20	18	6	125
C0940	M6x1 16 deep	85	67.5	150	107.5	90.5	265	169	157.5	162.5	152.5	177	195	868	111	198	40	95.8	74.5	21.5	25	20	8	145
C1040	M8x1.25 19 deep	110	75	175	132.5	100.5	313	198	225	195	180	230	235	997	115	245	45	106.6	96	27	28	25	8	172.5

DIMENSIONS - FEET

C	0			0				B	R

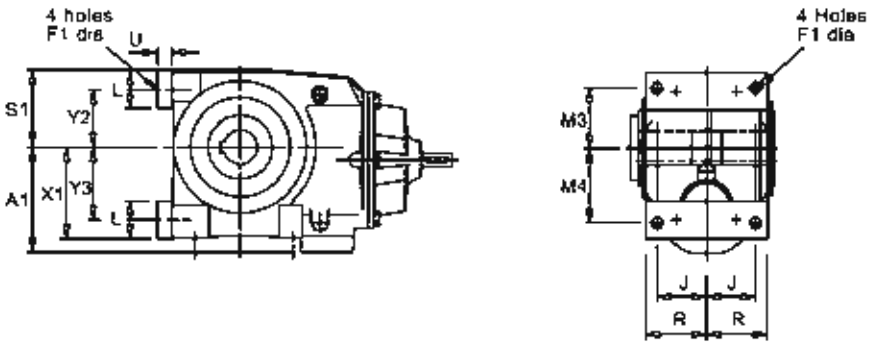
STANDARD UNIT WITH BASE MOUNTED FEET



SIZE	A	F	F1	H1	H2	J	L	M1	M2	Q1	Q2	R	S	U	X	Y	Y1
C03	80	M8 x 1.25, 15 Deep	9	35	28	45	25	40	40	47	41	55	68	9	71	40	40
C04	100	M10 x 1.5, 20 Deep	11	35	45	50	35	53	65	53	62	62	75	14	86	53	65
C05	112	M10 x 1.5, 18 Deep	11	45	55	55	40	65	77	65	75	68	88	16	96	65	77
C06 Std	140	M12 x 1.75, 20 Deep	14	60	70	65	50	76	96	81	91	80	103	20	120	76	96
C06 HD	140	M12 x 1.75, 20 Deep	14	60	70	65	50	76	96	81	91	80	103	20	120	76	96

C	0			0				E	R

STANDARD UNIT WITH END MOUNTED FEET

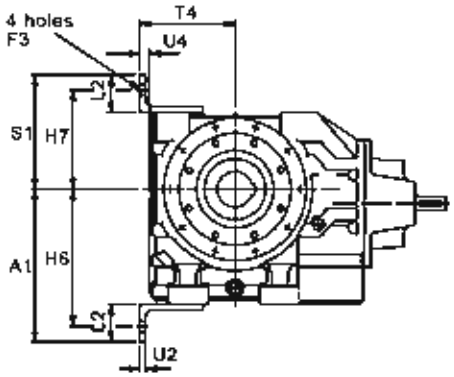


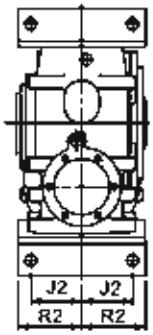
SIZE	A1	F1	J	L	M3	M4	R	S1	U	X1	Y2	Y3
C03	79.5	9	45	25	40	40	55	52.5	9	52.5	40	40
C04	93	11	50	35	53	65	82	70.5	14	82.5	53	65
C05	112	11	55	40	65	77	88	85	16	97	65	77
C06 Std	139.5	14	65	50	80	100	80	101	20	121	80	100
C06 HD	139.5	14	65	50	80	100	80	101	20	121	80	100

DIMENSIONS - FEET

C				0				E	R

STANDARD UNIT WITH END MOUNTED FEET

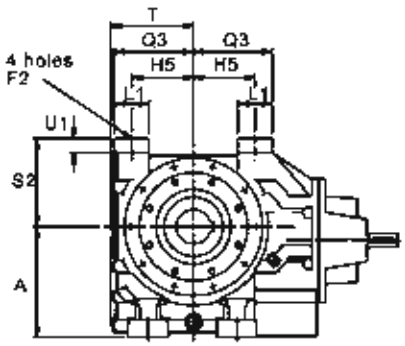


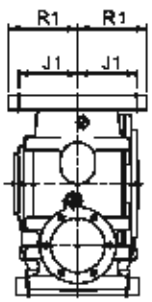


SIZE	A1	F3	H6	H7	J2	L2	R2	S1	T4	U2	U4
C07	255	22	225	167	65	75	110	197	162	12	19
C08	300	22	270	195	100	75	125	225	187	12	19
C09	370	26	330	227	125	90	152.5	267	220	15	25
C10	425	26	385	280	150	90	180	320	260	15	25

C				0				R	R

STANDARD UNIT WITH TOP MOUNTED FEET



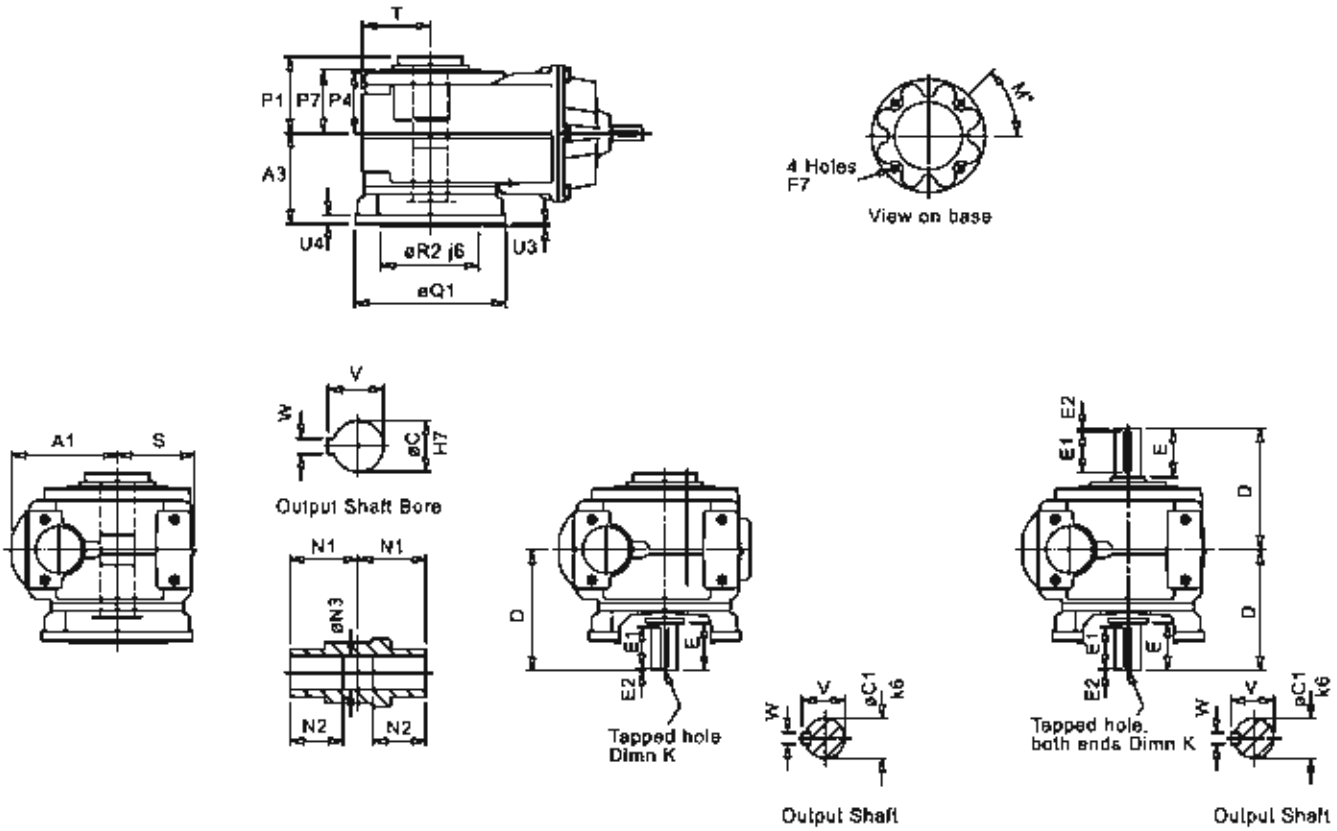


SIZE	A	F2	H5	J1	L1	Q3	R1	S2	T	U1
C07	180	24	107.5	102.5	63	139	128	150	143	28
C08	225	24	125	112.5	70	160	140	180	168	30
C09	280	28	145	120	80	185	150	212	195	35
C10	335	28	172.5	132.5	100	222.5	165	265	235	35

DIMENSIONS - OUTPUT FLANGE

C	0			0			F / G	R

— STANDARD UNIT WITH OUTPUT FLANGE
— OUTPUT FLANGE REDUCED DIA (SIZE C03 ONLY)



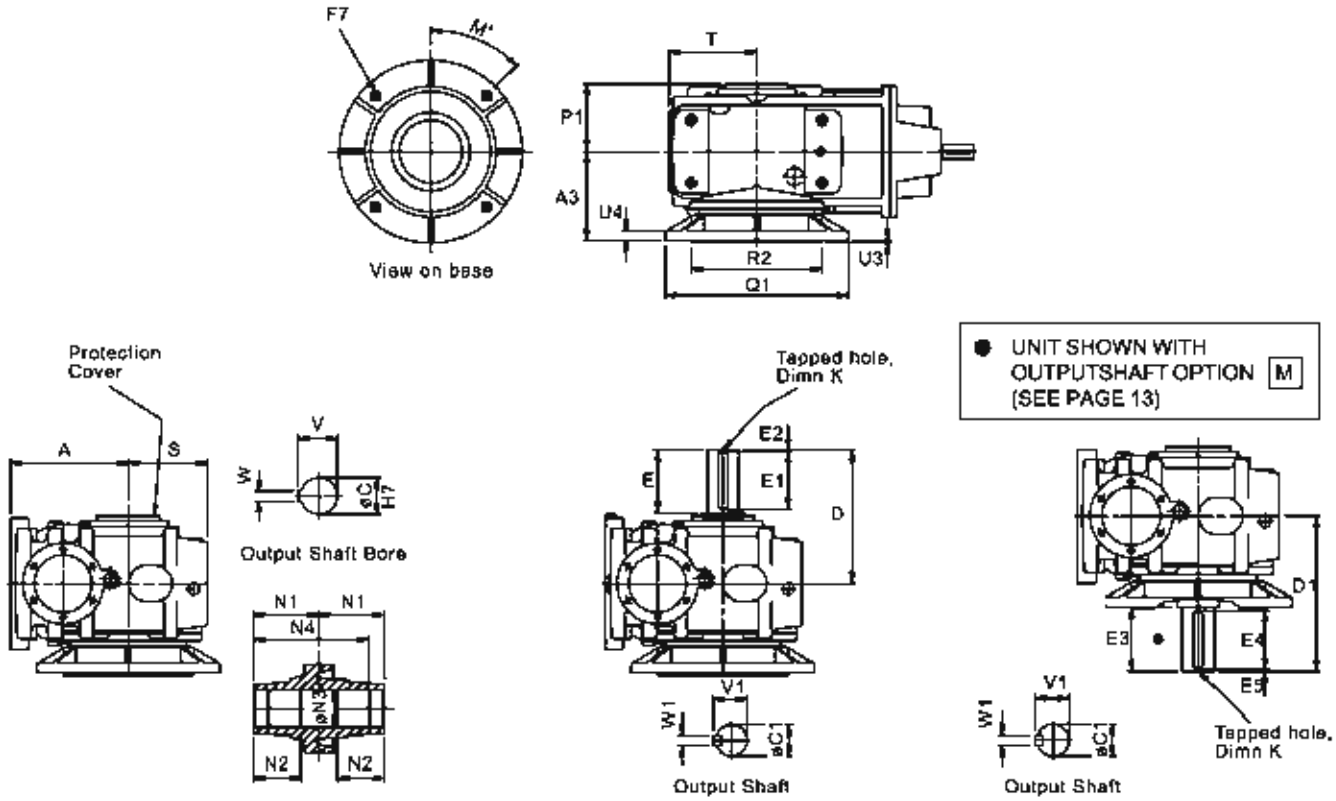
SIZE	A1	A3	C	C1	D	E	E1	E2	F7	K	M	N1	N2
C03	79.5	75	20	20	100	35	31	3	ø9 on 130 pcd	M6x1.0, 16 deep	45	62	52
C03 Red Dia	79.5	75	20	20	100	35	31	3	ø8.6 on 100 pcd	M6x1.0, 16 deep	45	62	52
C04	93	86	30	25	115	46	42	3	ø9 on 130 pcd	M10x1.5, 22 deep	45	65	54
C05	112	107	35	30	134	60	53	3	ø11 on 165 pcd	M10x1.5, 22 deep	45	70	56
C06 Std	139.5	120	45	35	160	63	55	3	ø11 on 165 pcd	M12x1.75, 22 deep	45	90	70
C06 HD	139.5	120	45	45	195	98	80	5	ø11 on 165 pcd	M16x2.0, 36 deep	45	90	70

SIZE	N3	P1	P4	P7	Q1	R2	S	T	U3	U4	V	V1	W	W1
C03	20.2	70	61	62	160	110	68	54	4	10	22.9	22.5	6	6
C03 Red Dia	20.2	70	61	62	120	80	68	54	3	8	22.9	22.5	6	6
C04	30.2	74.5	62.5	65.5	160	110	75	64	3.5	10	33.5	28	8	8
C05	35.3	79	62.5	66	200	130	88	68	3.5	12	38.5	33	10	8
C06 Std	45.3	101	80.5	86.5	200	130	103	90	3.5	12	49	38	14	10
C06 HD	45.3	101	80.5	86.5	200	130	103	90	3.5	12	49	48.5	14	14

DIMENSIONS - OUTPUT FLANGE

C				0				F	R

STANDARD UNIT WITH OUTPUT FLANGE



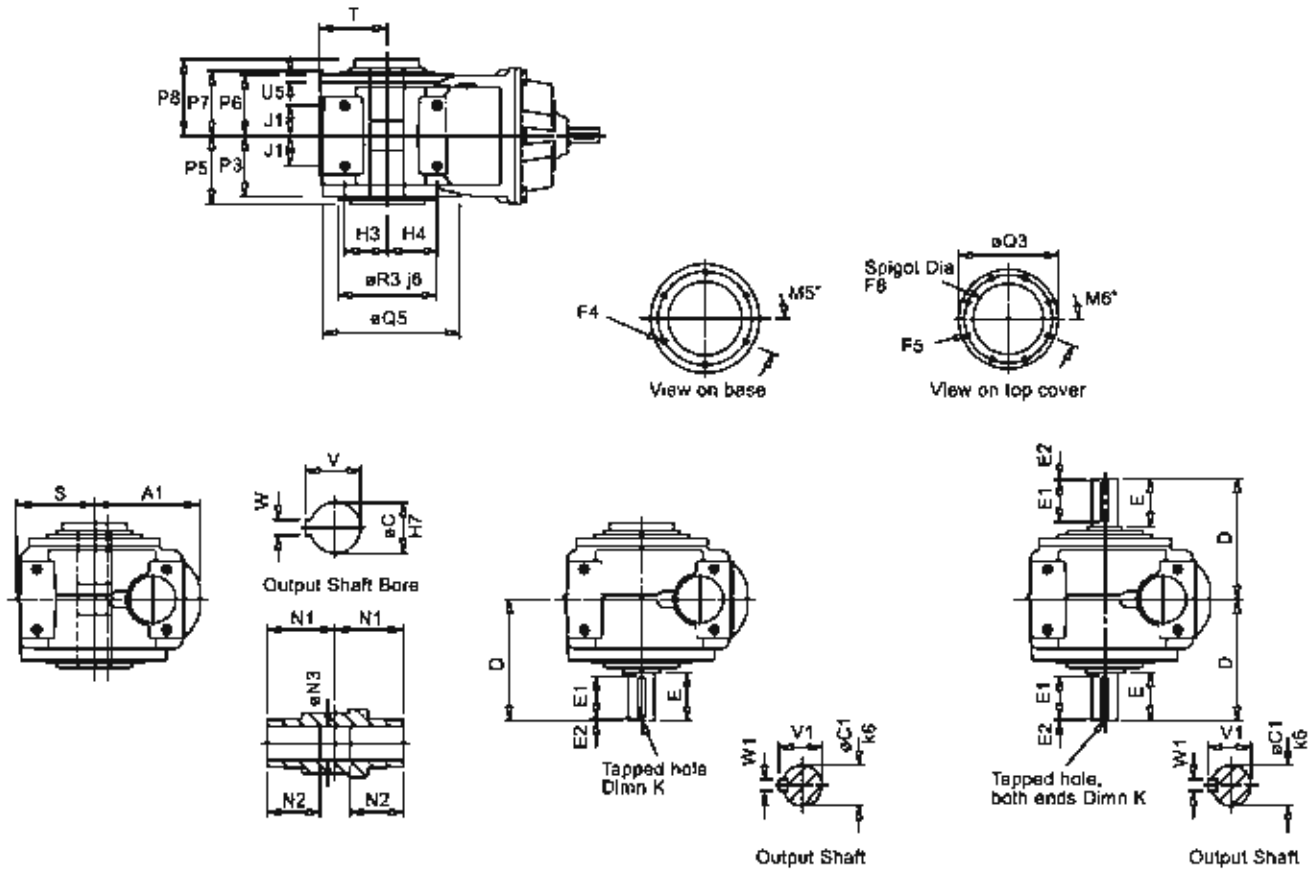
SIZE	A	A3	C	C1	D	D1	E	E1	E2	E3	E4	E5	F7	K
C07	180	145	60	45 k8	195	235	76	70	3	90	84	3	4 x ø14 on 215 pcd	M16x2, 36 deep
C08	225	170	70	60 m6	255	290	120	110	3	120	110	3	4 x ø18 on 300 pcd	M20x2.5, 42 deep
C09	280	200	90	70 m6	295	340	135	125	3	140	125	3	8 x ø18 on 400 pcd	M20x2.5, 42 deep
C10	335	232	100	90 m6	368	402	170	160	3	170	160	3	8 x ø18 on 400 pcd	M24x3, 50 deep

SIZE	M	N1	N2	N3	N4	P1	Q1	R2	S	T	U3	U4	V	V1	W	W1
C07	45	109	79	60.5	188	124.5	250	180 j8	122	143	4	12	64.6	48.5	18	14
C08	45	125	90	70.5	220	143	350	250 h6	150	168	5	16	75.1	64	20	16
C09	22.5	150	107.5	90.5	265	169	450	350 h6	177	195	5	20	95.6	74.5	25	20
C10	22.5	175	132.5	100.5	313	198	450	350 h6	230	235	5	22	106.6	95	28	25

DIMENSIONS - C FACE MOUNTING

C	0			0				W	R

STANDARD UNIT WITH C FACE MOUNTING



SIZE	A1	C	C1	D	E	E1	E2	F4	F5	F8 Spigot ø	H3	H4
C03	79.5	20	20	100	35	31	3	4 holes tapped M8x1.25 12 deep on 75 pcd	4 holes through 8 thick cover tapped M8x1.25, 14 deep into case, 90 pcd	89.990 / 89.969	35	28
C04	93	30	25	115	46	42	3	4 holes tapped M8x1.25 14 deep on 115 pcd	8 holes through 8 thick cover tapped M8x1.25, 14 deep into case, 107 pcd	84.990 / 84.966	35	45
C05	112	35	30	134	60	53	3	6 holes tapped M8x1.25 12 deep on 130 pcd	8 holes through 8 thick cover tapped M8x1.25, 14 deep into case, 130 pcd	104.990 / 104.968	45	55
C06 Std	139.5	45	35	160	83	55	3	6 holes tapped M10x1.5 17 deep on 165 pcd	8 holes through 10 thick cover tapped M10x1.5, 17 deep into case, 155 pcd	124.990 / 124.965	56	86
C06 HD	139.5	45	45	195	98	80	5	6 holes tapped M10x1.5 17 deep on 165 pcd	8 holes through 10 thick cover tapped M10x1.5, 17 deep into case, 155 pcd	124.990 / 124.965	56	86

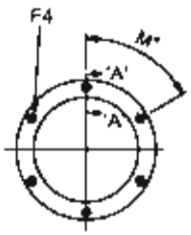
SIZE	J1	K	M5	M6	N1	N2	N3	P2	P4	P5	P6	P8	Q3	Q5	R3	S	T	U5	V	V1	W	W1
C03	27	M6x1.0 16 deep	90	45	62	52	20.2	61	61	61	57	70	106	92	*	68	54	8	22.9	22.5	6	6
C04	28	M10x1.5 22 deep	45	22.5	65	54	30.2	65.5	62.5	61	57	72	122	135	95	75	64	8	33.5	28	8	8
C05	34	M10x1.5 22 deep	30	22.5	70	56	35.3	70	62.5	66	62	79	146	152	110	88	68	8	38.5	33	10	8
C06 Std	40	M12x1.75 22 deep	30	22.5	90	70	45.3	90	80.5	85.5	80.5	101	175	192	130	103	90	10	49	38	14	10
C06 HD	40	M16x2.0 36 deep	30	22.5	90	70	45.3	90	80.5	85.5	80.5	101	175	192	130	103	90	10	49	48.5	14	14

* Size C0320 does not have a spigot, therefore no R3 dimension required

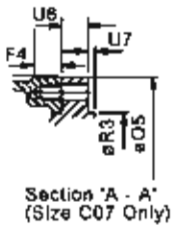
DIMENSIONS - C FACE MOUNTING

C				0				L	R

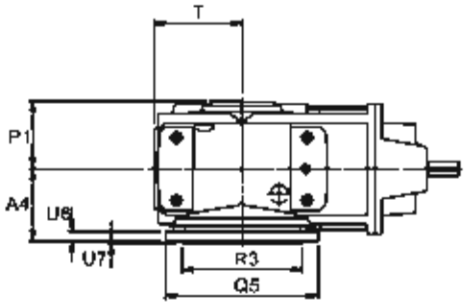
STANDARD UNIT WITH C FACE MOUNTING

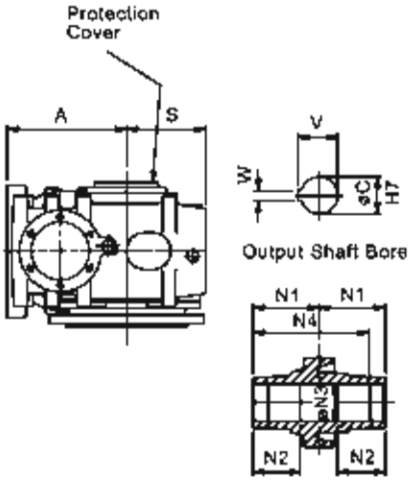


View on base

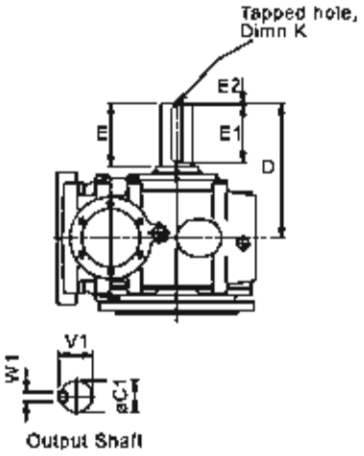


Section 'A - A'
(Size C07 Only)

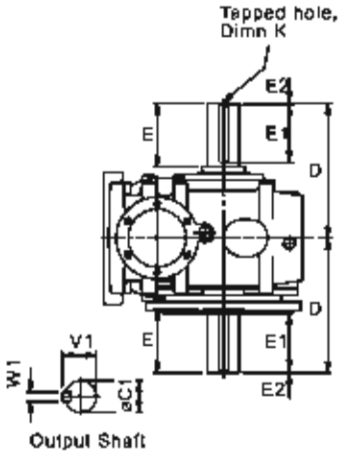




Output Shaft Bore



Output Shaft



Output Shaft

SIZE	A	A4	C	C1	D	E	E1	E2	F4	K
C07	180	93.5	60	45 k6	195	76	70	3	● 8 holes tapped M12x1.75 18 deep on 215 pcd	M16x2, 36 deep
C08	225	138	70	60 m6	255	120	110	3	8 holes tapped M12x1.75 through flange on 265 pcd	M20x2.5, 42 deep
C09	280	168	90	70 m6	295	135	125	3	8 holes tapped M16x2 through flange on 350 pcd	M20x2.5, 42 deep
C10	335	190	100	90 m6	366	170	160	3	8 holes tapped M16x2 through flange on 400 pcd	M24x3, 50 deep

SIZE	M	N1	N2	N3	N4	P1	Q5	R3	S	T	U6	U7	V	V1	W	W1
C07	60	109	79	60.5	188	124.5	240	180 j6	122	143	18.5	10	64.6	48.5	18	14
C08	60	125	90	70.5	220	143	292	230 j6	150	168	18	4	75.1	64	20	16
C09	45	150	107.5	90.5	265	169	384	300 h6	177	195	24	4	95.6	74.5	25	20
C10	45	175	132.5	100.5	313	198	440	350 h6	230	235	23.5	6	106.8	95	28	25

● For size C07 only refer to Section A - A

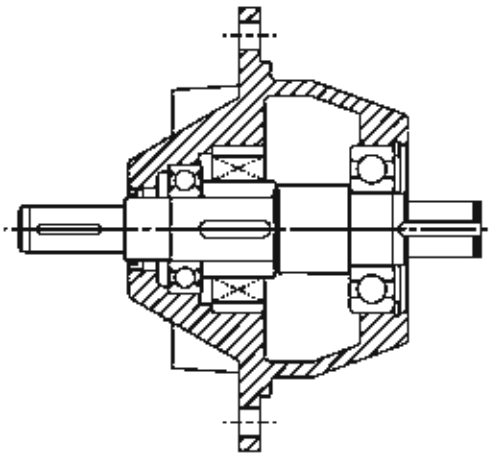
REDUCER BACKSTOP MODULE

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

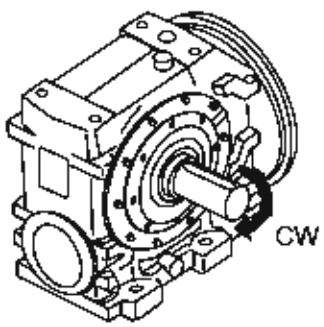
For reducer backstop modules enter [X] in column 10
(or [Y] if used in conjunction with a fan kit)



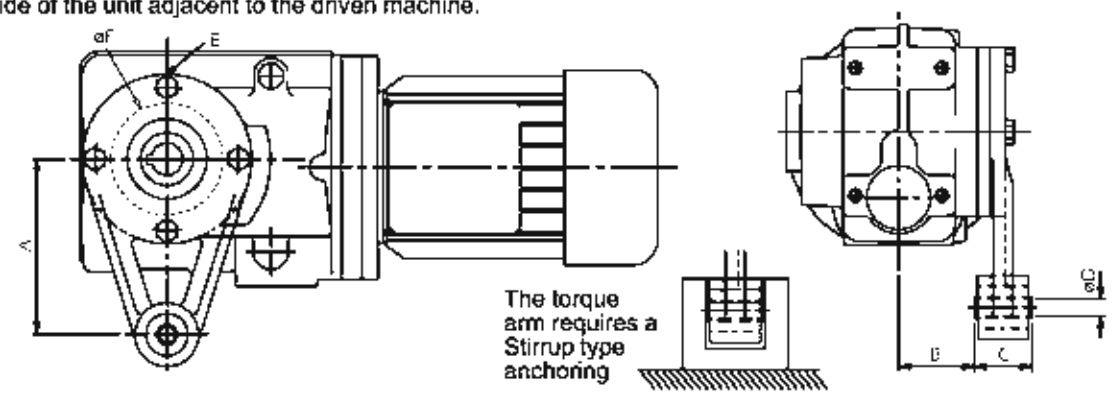
Unit Size	Lift off Speed ('n' min) (at inputshaft) (rev/min)	Rated Locking Torque ('T max') (at inputshaft) (Nm)
C0720	670	170
C0820	670	300
C0920	620	940
C1020	550	1260
C1040	670	170

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

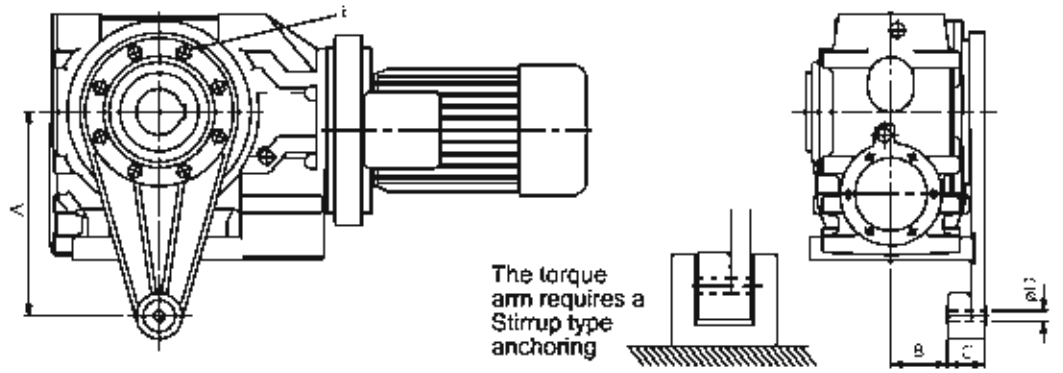
CW	-	Free Rotation	-	Clockwise
		Locked	-	Anticlockwise
AC	-	Free Rotation	-	Anticlockwise
		Locked	-	Clockwise



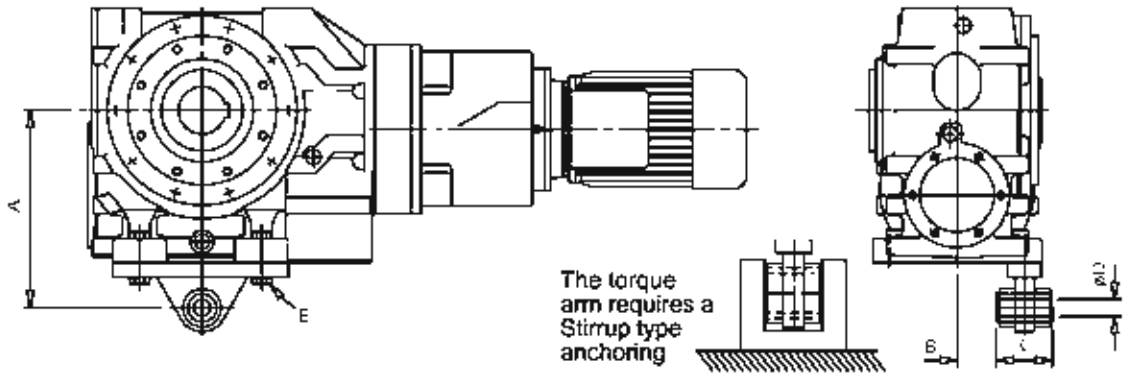
THE TORQUE ARM FITS ON ONE SIDE ONLY. It is recommended that the unit is articulated such that the torque arm is fitted on the side of the unit adjacent to the driven machine.



SIZE OF UNIT	DIMENSIONS IN MM					
	A	B	C	øD	E	øF (Spigot Dia)
C03	110	47	36	10.3	4 x M8 on a 90 pcd	69.990 / 69.969
C04	130	52	36	10.3	8 x M8 on a 107 pcd	84.990 / 84.968
C05	160	52	36	10.3	8 x M8 on a 130 pcd	104.990 / 104.968
C06	200	71.5	44	16.5	8 x M10 on a 155 pcd	124.990 / 124.965



SIZE OF UNIT	DIMENSIONS IN MM				
	A	B	C	øD	E
C07	250	77.5	60	16.4	6 x M12 on a 150 pcd
C08	310	85.5	60	16.4	8 x M12 on a 195 pcd
C09	380	98	80	25	6 x M16 on a 230 pcd
C10	430	137	80	25	10 x M16 on a 280 pcd



SIZE OF UNIT	DIMENSIONS IN MM				
	A	B	C	øD	E
C1040	430	95	110	25	2 Nuts & M24 x 100L Bolts

SHIPPING SPECIFICATION VOLUME

UNIT SIZE & No OF REDUCTIONS			C0320			C0330			C0420			C0430			C0520			C0530			C0620		
COLUMN 11 ENTRY			H	C	D	H	C	D	H	C	D	H	C	D	H	C	D	H	C	D	H	C	D
REDUCER VERSION			.006	.007	.008	.008	.010	.012	.007	.009	.011	.008	.011	.013	.009	.013	.017	.011	.016	.020	.017	.023	.029
MOTORISED	63	With Motor	.009	.009	.011	.013	.013	.015	.011	.012	.015	.014	.015	.019	.014	.016	.021	.016	.019	.024	.023	.029	.036
		Without Motor	.004	.004	.005	.007	.007	.008	.006	.006	.008	.008	.009	.011	.007	.009	.011	.010	.011	.014	.014	.017	.021
	71	With Motor	.010	.010	.012	.014	.014	.016	.013	.013	.016	.016	.016	.020	.015	.018	.022	.018	.020	.026	.025	.031	.038
		Without Motor	.005	.005	.005	.007	.007	.009	.006	.006	.008	.009	.009	.011	.008	.009	.011	.010	.011	.014	.014	.017	.021
	80	With Motor	.012	.012	.014				.014	.014	.017	.019	.019	.022	.017	.018	.025	.021	.023	.029	.027	.032	.039
		Without Motor	.005	.005	.006				.007	.007	.008	.010	.010	.013	.008	.009	.011	.012	.013	.016	.015	.017	.021
	90	With Motor	.015	.015	.017				.019	.019	.022				.022	.022	.027				.034	.035	.043
		Without Motor	.007	.007	.008				.008	.008	.010				.009	.009	.011				.017	.018	.022
	100/112	With Motor	.019	.019	.021				.022	.022	.026				.028	.028	.032				.042	.042	.052
		Without Motor	.007	.007	.008				.009	.009	.011				.012	.012	.012				.021	.021	.026
	132	With Motor																			.051	.051	.061
		Without Motor																			.023	.023	.028

UNIT SIZE & No OF REDUCTIONS			C0630			C0720			C0730			C0820			C0920			C1020		
COLUMN 11 ENTRY			H	C	D	H	C	D	H	C	D	H	C	D	H	C	D	H	C	D
REDUCER VERSION			.020	.028	.034	.036	.046	.056	.042	.054	.066	.053	.087	.111	.107	.146	.186	.184	.262	.340
MOTORISED	63	With Motor	.025	.039	.040				.044	.063	.076									
		Without Motor	.016	.021	.026				.032	.045	0.55									
	71	With Motor	.027	.034	.042				.047	.065	.080									
		Without Motor	.017	.021	.026				.033	.045	.055									
	80	With Motor	.031	.037	.045	.045	.060	.073	.051	.067	.082	.070	.104	.134	.121	.166	.211			
		Without Motor	.019	.022	.027	.028	.037	.046	.034	.045	.055	.047	.070	.090	.085	.117	.149			
	90	With Motor	.038	.040	.049	.055	.064	.079	.062	.072	.088	.081	.110	.142	.127	.175	.222			
		Without Motor	.022	.023	.028	.033	.038	.047	.039	.046	.056	.051	.070	.090	.085	.117	.149			
	100/112	With Motor				.065	.073	.090	.074	.083	.101	.092	.122	.156	.139	.191	.242	.219	.311	.404
		Without Motor				.036	.041	.049	.045	.050	.061	.054	.071	.091	.086	.119	.151	.143	.203	.263
	132	With Motor				.077	.080	.097				.108	.131	.168	.155	.204	.259	.232	.331	.430
		Without Motor				.039	.041	.050				.058	.071	.091	.090	.119	.151	.143	.203	.263
	160/180	With Motor				.106	.106	.117				.146	.156	.200	.206	.240	.305	.293	.386	.500
		Without Motor				.048	.048	.053				.071	.076	.097	.108	.126	.160	.163	.214	.278
	180L	With Motor													.235	.256	.325	.330	.409	.531
		Without Motor													.116	.126	.160	.173	.214	.278
	200	With Motor													.235	.256	.325	.330	.409	.531
		Without Motor													.116	.126	.160	.173	.214	.278
	225	With Motor													.269	.278	.353	.375	.443	.574
		Without Motor													.127	.132	.167	.189	.223	.289

ALL VOLUMES IN m^3

COLUMN 11 ENTRY [H] - STD UNIT WITHOUT SHAFT

[C] - STD SINGLE EXTENSION

[D] - STD DOUBLE EXTENSION

UNIT SIZE & No OF REDUCTIONS		C0320				C0330				C0420			C0430			C0520			C0530			C0620			C0630			C0640		
COLUMN 9 ENTRY		W	B/E	F	G	W	B/E	F	G	W	B/E	F	W	B/E	F	W	B/E	F	W	B/E	F	W	B/E	F	W	B/E	F	W	B/E	F
OUTPUT SHAFT		0.4				0.4				1.0			1.0			1.5			1.5			3.0/3.7(HD)			3.0/3.7(HD)			3.0/3.7(HD)		
REDUCER VERSION		11	11	12	12	14	15	16	16	15	16	16	18	19	20	18	19	20	21	23	23	32	34	34	38	40	40	44	46	46
MOTORISED	63 Without Motor	10	10	11	11	13	14	15	14	12	13	14	16	17	17	14	15	16	17	19	19	28	30	30	33	36	35	43	46	45
	63 With Motor	14	14	15	15	17	18	19	18	16	17	18	20	21	21	18	19	20	21	23	23	32	34	34	37	40	39	48	51	50
	63 With Motor & Brake	15	15	16	16	18	19	20	19	17	18	19	21	22	22	19	20	21	22	24	24	33	35	35	38	41	40	50	53	52
	71 Without Motor	9	10	11	11	13	13	14	14	12	13	14	15	16	17	15	17	17	19	20	21	28	30	30	33	35	35	44	46	45
	71 With Motor	16	16	17	17	19	20	21	21	18	19	20	22	23	23	22	23	24	25	27	27	34	37	36	39	42	41	50	53	52
	71 With Motor & Brake	17	17	18	18	20	21	22	22	19	20	21	23	24	24	23	24	25	26	27	28	35	38	37	40	43	42	52	55	54
	80 Without Motor	10	11	12	12	*14*	*14*	*15*	*15*	13	14	15	16	17	18	16	18	18	20	21	22	28	31	31	34	36	36	*46*	*48*	*48*
	80 With Motor	20	20	21	21					23	24	24	26	27	28	26	27	28	30	31	32	38	41	40	43	46	46			
	80 With Motor & Brake	22	22	23	23					26	26	26	28	29	30	28	29	30	32	33	34	40	43	42	45	48	48			
	90S Without Motor	11	11	12	12	*14*	*15*	*16*	*16*	13	14	15	*17*	*18*	*18*	17	18	19	*20*	*22*	*22*	29	31	31	34	37	36	*45*	*48*	*47*
	90S With Motor	24	24	25	25					26	27	28				30	31	32				42	43	43	47	50	49			
	90S With Motor & Brake	27	27	28	28					29	30	31				33	34	35				45	46	46	50	53	52			
	90L Without Motor	11	11	12	12	*14*	*15*	*16*	*16*	13	14	15	*17*	*18*	*18*	17	18	19	*20*	*22*	*22*	29	31	31	34	37	36	*45*	*48*	*47*
	90L With Motor	26	27	28	28					29	30	30				32	34	34				44	47	47	50	52	52			
	90L With Motor & Brake	29	30	31	31					32	33	33				35	37	37				47	50	50	53	55	55			
	100 Without Motor	12	12	13	13	*15*	*16*	*17*	*16*	14	15	16	*18*	*19*	*19*	18	19	20	*21*	*22*	*23*	34	36	36	*35*	*38*	*37*	*46*	*49*	*48*
	100 With Motor	34	34	35	35					36	37	38				40	41	42				56	58	58						
	100 With Motor & Brake	39	39	40	40					41	42	43				45	46	47				61	63	63						
	112 Without Motor	*12*	*12*	*13*	*13*	*15*	*16*	*17*	*16*	14	15	16	*18*	*19*	*19*	18	19	20	*21*	*22*	*23*	34	36	36	*35*	*38*	*37*	*46*	*49*	*48*
	112 With Motor									45	46	47				49	50	51				65	67	67						
	112 With Motor & Brake									50	51	52				54	55	56				70	72	72						
	132S Without Motor																					36	38	38						
	132S With Motor																					78	80	80						
	132S With Motor & Brake																					87	89	89						
	132M Without Motor																					36	38	38						
	132M With Motor																					88	90	90						
	132M With Motor & Brake																					97	99	99						
	160M Without Motor																													
	160M With Motor																													
	160L Without Motor																													
	160L With Motor																													
	180M Without Motor																													
	180M With Motor																													
	180L Without Motor																													
	180L With Motor																													
	200L Without Motor																													
	200L With Motor																													
	225S Without Motor																													
	225S With Motor																													
	225M Without Motor																													
	225M With Motor																													

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

ALL WEIGHTS IN KG

ALL WEIGHTS EXCLUDE LUBRICANT AND ARE FOR SHAFT MOUNTED UNITS, SHAFT WEIGHTS (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
- [E] - STANDARD UNIT WITH END MOUNTED FEET
- [F] - STANDARD UNIT WITH OUTPUT FLANGE
- [G] - STANDARD UNIT WITH OUTPUT FLANGE REDUCED DIAMETER (SIZE C03 ONLY)

SHIPPING SPECIFICATION

UNIT SIZE & No OF REDUCTIONS		C0720		C0730		C0740		C0750		C0820		C0840		C0850		C0920		C0940		C0950		C1020		C1040	
COLUMN 9 ENTRY		B/E	F	B/E	F	B/E	F	B/E	F	B/E	F	B/E	F	B/E	F	B/E	F	B/E	F	B/E	F	B/E	F	B/E	F
OUTPUT SHAFT		7		7		7		7		12		12		12		18.5		18.5		18.5		30		30	
REDUCER VERSION		74	79	81	86	84	89	88	93	117	127	139	149	135	145	181	196	207	222	210	225	288	314	326	352
MOTORISED	63 Without Motor			80	85	84	89	*87*	*93*			137	147	*134*	*144*			205	220	*210*	*225*				
	63 With Motor			84	89	88	93					141	151					209	224						
	63 With Motor & Brake			86	91	90	95					143	153					211	226						
	71 Without Motor			80	85	84	89	*87*	*92*			137	147	*134*	*144*			205	220	*210*	*225*				
	71 With Motor			85	91	90	95					143	153					211	236						
	71 With Motor & Brake			88	93	92	97					145	155					213	228						
	80 Without Motor	71	76	80	85	85	90	*89*	*93*	121	131	137	147	*134*	*144*	184	199	205	220	*211*	*226*			323	349
	80 With Motor	80	85	89	94	95	100			130	140	147	157			194	209	215	230					339	359
	80 With Motor & Brake	82	87	91	96	97	102			132	148	149	159			196	211	217	232					335	361
	90S Without Motor	71	76	80	85	85	90			121	131	137	147			184	199	205	220	*211*	*226*			323	349
	90S With Motor	84	89	93	98	98	103			134	144	150	160			197	212	218	233					336	362
	90S With Motor & Brake	86	91	96	101	101	106			136	146	153	163			199	214	221	238					339	365
	90L Without Motor	71	76	80	85	85	90			121	131	137	147			184	199	205	220			281	307	323	349
	90L With Motor	87	92	95	100	101	106			136	146	153	163			200	215	221	238			296	312	339	365
	90L With Motor & Brake	89	94	98	103	104	109			139	149	156	166			203	218	224	239			299	325	342	368
	100 Without Motor	78	83			86	91			121	131	144	154			184	199	212	227			281	307	330	356
	100 With Motor	98	103			106	113			143	153	166	176			206	221	234	249			303	329	352	378
	100 With Motor & Brake	103	108			113	118			148	158	171	181			211	226	239	254			308	334	357	383
	112 Without Motor	78	83			86	91			121	131	144	154			184	199	212	227			281	307	330	356
	112 With Motor	107	112			117	122			152	162	175	185			215	230	243	258			312	338	361	387
	112 With Motor & Brake	114	119			124	129			159	169	182	192			220	235	250	265			317	343	369	394
	132S Without Motor	78	83							121	131	144	154			184	199	212	227			281	307	330	356
	132S With Motor	120	125							163	173	188	198			226	241	252	267			323	349	372	398
	132S With Motor & Brake	129	134							172	182	195	205			235	250	261	276			332	358	381	407
	132M Without Motor	78	83							121	131					184	199					281	307	330	356
	132M With Motor	130	135							173	183					236	251					333	359	382	408
	132M With Motor & Brake	139	144							182	192					245	260					342	368	391	417
	160M Without Motor	82	87							131	141					191	206					290	316	334	360
	160M With Motor	154	161							203	213					263	278					382	388	406	432
	160L Without Motor	82	87							131	141					191	206					290	316	334	360
	160L With Motor	167	172							216	226					276	291					375	401	419	445
	180M Without Motor															191	206					290	316		
	180M With Motor															299	314					398	424		
	180L Without Motor															191	206					290	316		
	180L With Motor															335	350					434	460		
	200L Without Motor															191	206					290	316		
	200L With Motor															359	374					458	484		
	225S Without Motor															205	220					304	330		
	225S With Motor															412	427					511	537		
	225M Without Motor															205	220					304	330		
	225M With Motor															430	445					529	555		

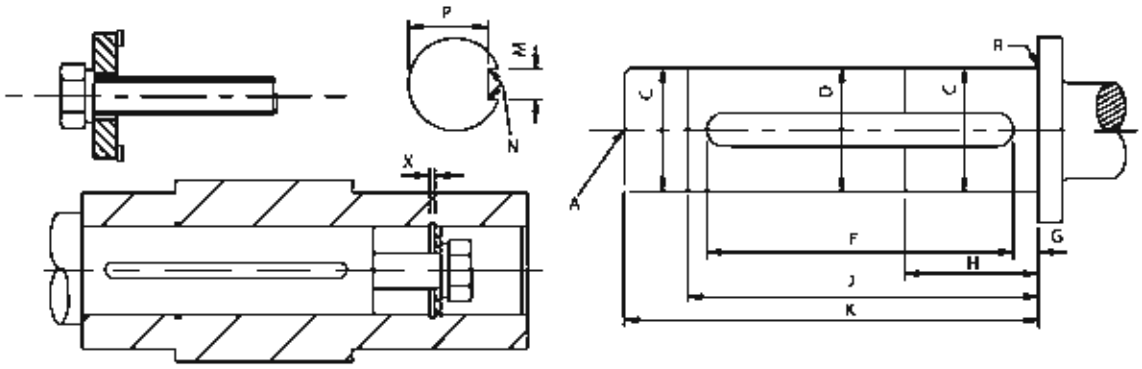
FIGURES IN ITALICS INDICATE THAT FRAME SIZE CAN BE FITTED BUT IS BEYOND THE MECHANICAL RATING OF THE UNIT

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

COLUMN 9 ENTRY

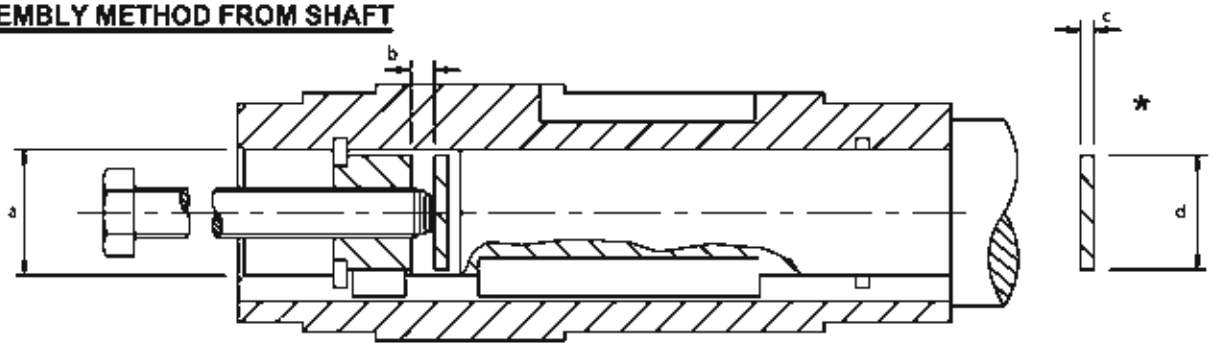
- B - STANDARD UNIT WITH BASE MOUNTED FEET
- E - STANDARD UNIT WITH END MOUNTED FEET
- F - STANDARD UNIT WITH OUTPUT FLANGE

ASSEMBLY ONTO SHAFT - CUSTOMERS SHAFT DETAIL

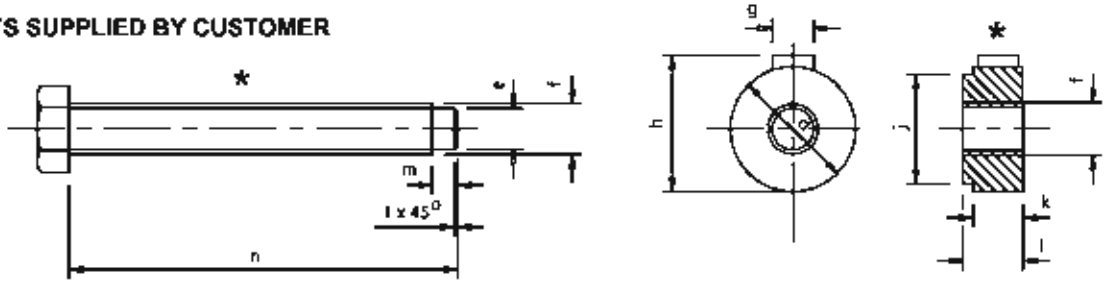


SIZE	A	C	D	F	G	H	J	K	M	N	P	R	X
C03	M8 x 1.0 16 deep	19.992 / 19.980	-	61.3 61.0	10	-	-	82	5.994 / 5.969	0.25R 0.16R	16.51 16.41	0.8R	1.10 D1300-0200
C04	M10 x 1.5 22 deep	29.992 / 29.980	-	79.3 79.0	10	-	-	99	7.986 / 7.950	0.4R 0.25R	26.00 25.80	0.8R	1.30 D1300-0300
C05	M12 x 1.75P 30 deep	34.991 / 34.978	-	77.3 77.0	13	-	-	104	9.985 / 9.949	0.4 0.25R	30.00 29.80	0.8R	1.60 D1300-0350
C06	M16 x 2.0 36 deep	44.991/ 44,976	-	101.5 101,0	13	-	-	126	13.983/ 13,940	0.4 0.25R	39.50 39 29	0.8R	1.85 D1300-0450
C07	M20 x 2.5 42 deep	59.990 / 59.971	59.6	148.5 148.0	3	79	128	153	18.000 / 17.957	0.9R 0.7R	53.0 52.8	1.2R	2.65 D1300-0600
C08	M20 x 2.5 42 deep	69.990 / 69.971	69.6	177.5 177.0	3	90	160	183	20.000 / 19.948	0.9R 0.7R	62.5 62.3	1.2R	2.65 D1300-0700
C09	M24 x 3.0 56 deep	89.988 / 89.966	89.6	221.5 221.0	3	108	192	227	25.000 / 24.948	1.5R 1.25R	81.0 80.8	1.2R	3.15 D1300-0900
C10	M24 x 3.0 50 deep	99.988 / 99.966	99.6	257.5 257.0	3	132	217	253	28.000/ 27.948	1.5R 1.25R	90.0 89.8	1.2R	3.15 D1300-1000

DISASSEMBLY METHOD FROM SHAFT



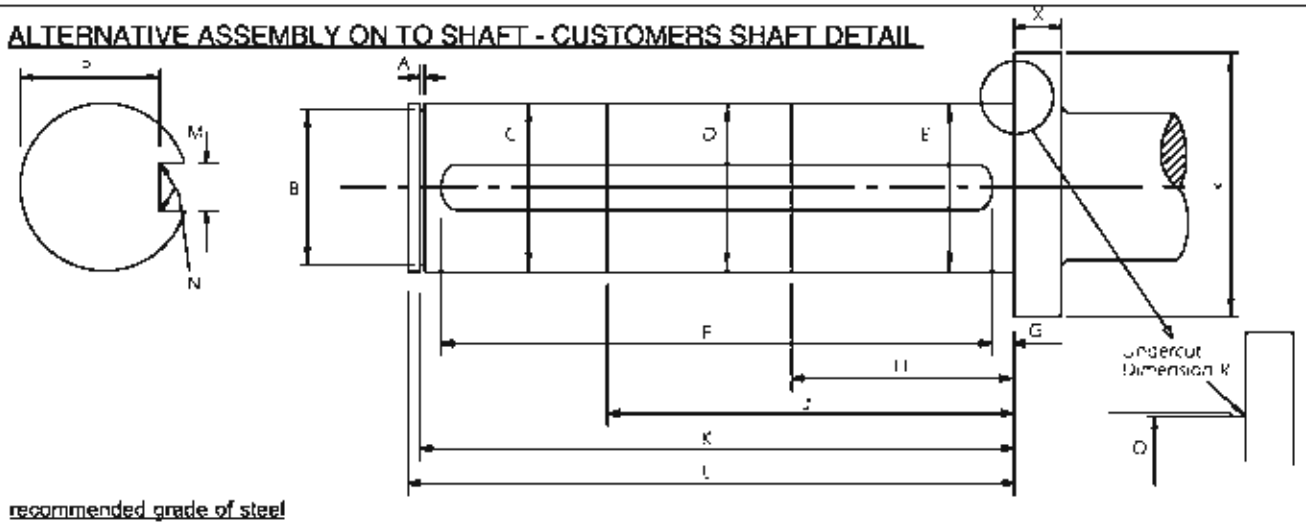
*** PARTS SUPPLIED BY CUSTOMER**



SIZE	a	b	c	d	e	f	g	h	j	k	l	m	n
C03	20.021 20.000	3	5	19.9	7	M10 x 1.5	6	22	11.2	10	12	5	120
C04	30.021 30.000	3	5	29.9	13	M16 x 1.5	8	33	20.8	15	17	5	160
C05	35.025 35.000	3	5	34.9	13	M16 x 1.5	10	38	25.2	15	17	5	160
C06	45.025 45.000	5	5	44.9	20	M24 x 1.5	14	49	34.1	20	23	5	250
C07	60.030 60.000	3	8	59.9	26	M30 x 1.5	18	64	47.4	24	27	5	250
C08	70.030 70.000	5	8	69.9	26	M30 x 1.5	20	74.5	56.4	24	27	5	310
C09	90.035 90.000	6	8	89.9	26	M30 x 1.5	25	96	75.3	24	27	5	380
C10	100.035 100.000	8	8	99.9	32	M36 x 1.5	28	106	84.1	30	34	5	420

SHAFT MOUNT UNITS
ALTERNATIVE SHAFT FIXING METHODS

ALTERNATIVE ASSEMBLY ON TO SHAFT - CUSTOMERS SHAFT DETAIL



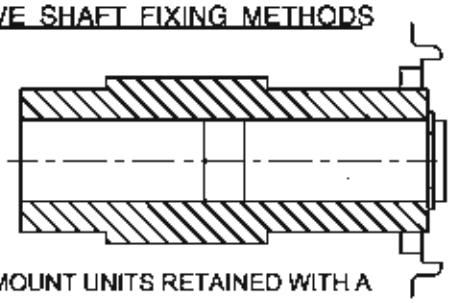
recommended grade of steel

Sizes C03 to C06 - 605M36 55/65 t

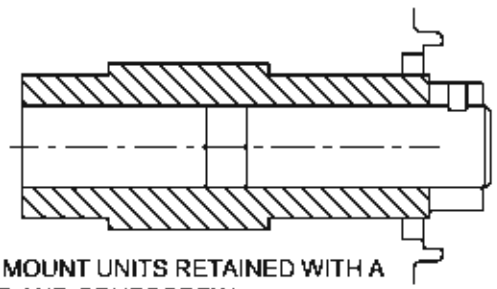
Sizes C07 to C10 - 709M40T 55/65 t

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	X	Y
C03	1.44 1.30	19.00 18.87	19.992 19.980	-	19.993 19.980	61.3 61.0	32	-	-	125.30 125.20	127	5.962 5.953	0.2R	16.50 16.40	19	0.8R	3	26
C04	1.74 1.60	28.60 28.39	29.992 29.980	-	29.993 29.980	78.3 78.0	26	-	-	131.60 131.50	134	7.985 7.949	0.4R	26.00 25.80	29	0.8R	4	36
C05	1.74 1.60	33.00 32.75	34.991 34.976	-	34.991 34.975	77.4 77.0	31.5	-	-	141.61 141.50	144	9.985 9.949	0.4R	30.00 29.80	34	0.8R	4	40
C06	1.99 1.85	42.50 42.25	44.991 44.976	-	44.991 44.975	100.5 100.0	36	-	-	181.65 181.75	188	13.982 13.939	0.4R	39.50 39.30	44	0.8R	7	51
C07	2.29 2.15	57.00 56.70	59.990 59.971	59.62 59.38	60.000 59.981	199.5 199.0	9.5	79	139	220.10 220.06	225	18.000 17.957	0.9 0.7R	53.00 52.80	58	1.2R	10	70
C08	2.79 2.65	67.00 66.70	69.990 69.971	69.62 69.38	70.000 69.981	236.5 236.0	7.0	90	160	252.65 252.60	258	20.000 19.948	0.9 0.7R	62.50 62.30	68	1.2R	10	80
C09	3.33 3.15	86.50 86.15	89.988 89.966	89.62 89.38	90.000 89.978	281.5 281.0	9.5	107.5	192.5	303.15 303.10	309	25.000 24.948	1.5 1.25R	81.00 80.80	88	1.2R	10	100
C10	3.33 3.15	98.50 98.15	99.988 99.966	99.62 99.38	100.000 99.978	330.5 330.0	10.0	132.5	217.5	353.15 353.10	359	28.000 27.948	1.5 1.25R	90.00 89.80	98	1.2R	21	110

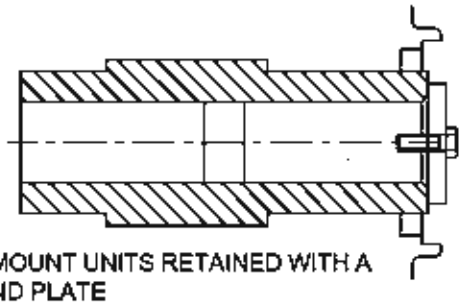
ALTERNATIVE SHAFT FIXING METHODS



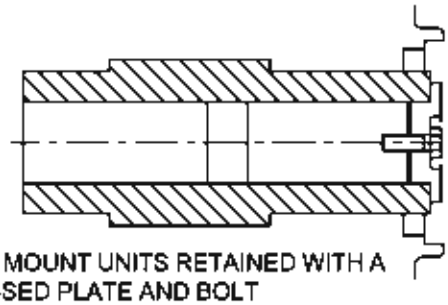
SHAFT MOUNT UNITS RETAINED WITH A CIRCLIP



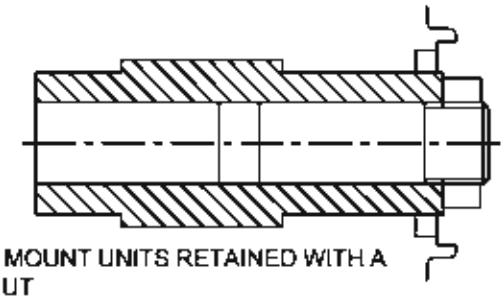
SHAFT MOUNT UNITS RETAINED WITH A COLLAR AND GRUBSCREW



SHAFT MOUNT UNITS RETAINED WITH A BOLT AND PLATE



SHAFT MOUNT UNITS RETAINED WITH A RECESSED PLATE AND BOLT



SHAFT MOUNT UNITS RETAINED WITH A LOCKNUT

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. Heed all warning tags. Failure to do so could result in mechanical damage and in extreme cases risk of injury to personnel.

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

7) Installation, Maintenance and Storage
   (a) In the event that equipment is to be held in storage, for a period exceeding 6 months, prior to installation or commissioning, 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.