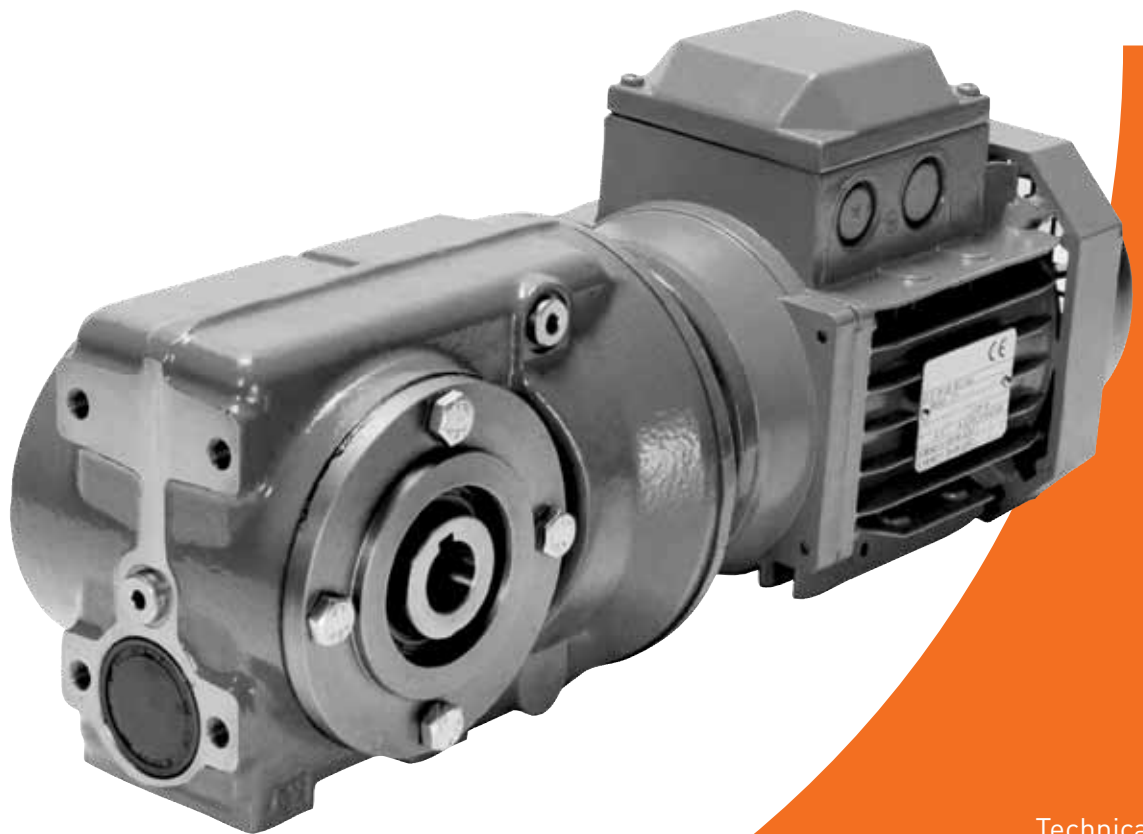


radicon

with you at every turn

Series C Helical Worm



Technical
Up to - 45 Kw / 10,000 Nm

Geared Motors
CC-2.00GB1211

ATEX Compliance Assured



Total compliance with the ATEX Directive safeguarding the use of industrial equipment in potentially explosive atmospheres is assured for users of our geared products.

Certification is available for standard gearboxes and geared motors with badging displaying the CE Mark and the Ex mark, name and location of the manufacturer, designation of series or type, serial number, year of manufacture, Ex symbol and equipment group/category.

ATEX directive 94/9/EC (also known as ATEX 95 or ATEX 100A) and the CE Marking Directive are enforced in all EC member states. Compliance is compulsory for designers, manufacturers or suppliers of electrical and non-electrical equipment for use in potentially explosive atmospheres created by the presence of flammable gases, vapours, mists or dusts.

Ex compliant standard gearboxes can be supplied against Groups 2 or 3 for surface industries in designated hazardous location Zones 1 and 2 for gases, vapours and mists; and in Zones 21 and 22 for dusts.

SERIES C
NOTES

SERIES C

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SERIES C

GENERAL DESCRIPTION

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

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

The Range Includes

Eight sizes of units with a ratio coverage of 8:1 to 250:1 in double reduction and 16000:1 in combined units.

- Version W - Standard unit (C03 - C06 Only)
- Version B - Standard unit with base mounted feet
- Version E - Standard unit with end mounted feet
- Version R - Standard unit with top mounted feet
- Version V - Standard unit with Drywell and output flange for mounting positions 2 & 3 (sizes C07 - C10 only)
- Version F/H - Standard unit with output flange
- Version G - Standard unit with output flange reduced dia (size C03 only)
- Version T/Q - Standard unit with Banjo torque arm
- Version U - Standard unit Banjo torque arm Heavy Duty (C10 only)
- Version A - Agitator (Sizes C07 - C10 only)

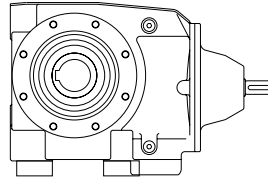
Unit Types:

- Unit type M - Motorised with IEC standard motor
- Unit type N - Motorised with NEMA standard motor
- Unit type H - Motorised with high efficiency motor (IE2 or EPACT)
- Unit type E - Motorised with NEMA high efficiency motor (EPACT)
- Unit type G - Unit to allow fitting of customers IEC motor
- Unit type A - Unit to allow fitting of customers NEMA motor
- Unit type R - Reducer unit
- Unit type S - Reducer unit with fan kit
- Unit type W - Reducer unit with backstop CCW rotation
- Unit type X - Reducer unit with backstop CW rotation
- Unit type Y - Reducer unit with fan and backstop CW rotation
- Unit type Z - Reducer unit with fan and backstop CCW rotation

Design Features Include

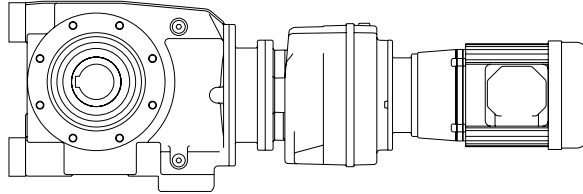
- Patented standard motor connection (IEC or NEMA).
- Ability to fit double oil seals input and output as required.
- All units are dimensionally interchangeable with other major manufacturers.
- Brake geared motors are available as standard.
- Sizes 03, 04, 05 and 06 are lubricated for life.
- Motorised 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.



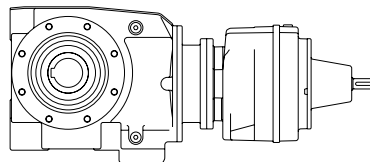
Two stage reduction unit with base mounted feet and hollow output shaft

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



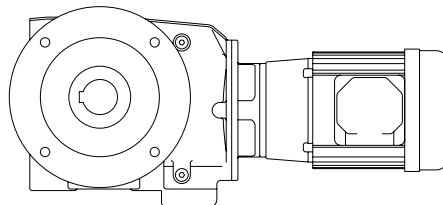
Four stage motorised unit with end mounted feet and hollow output shaft

* C 0 4 4 1 2 8 0 E M H - 1 A . 1 8 A - -



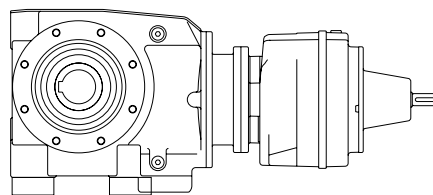
Four stage reduction unit with hollow output shaft

* C 0 5 4 1 2 8 0 W R H - 1 - - - - - - - -



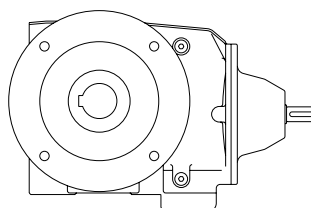
Two stage motorised unit with output flange and single extension output shaft

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



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

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



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

* C 0 5 2 1 1 6 0 F R C - 1 - - - - - - - -

* Typical unit designations

SERIES C UNIT DESIGNATIONS

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

- 1 - Series C**
Range C
- 2, 3 - Size of Unit**
0 3 Through 1 0
- 4 - No of Reductions**
2 3 & 4
- 5 - Revision Version**
1 For Sizes 03 to 10
- 6,7,8 - Nominal Overall Ration**
eg. 5 0 .
- 9 - Unit Version**
 - W - Standard Unit (C03 - C06 Only)
 - B - Standard Unit with Base Mounted Feet
 - E - Standard Unit with End Mounted Feet
 - R - Standard Unit with Top Mounted Feet
 - V - Standard Unit with Drywell and Output Flange For Mounting Position 2 & 3 (Sizes C07 - C10 only)
 - Std Unit with Output Flange F on Left † H on Right †
 - G - Std Unit with Output Flange Reduced Dia (C03 Only)
 - Std Unit with Banjo Torque Arm T on Left † Q on Right †
 - U - Std Unit Banjo Torque Arm Heavy Duty (C10 Only)
- 10 - Type of Unit**
 - M - Motorized with IEC standard motor (IE2)
 - N - Motorized with NEMA standard motor (EPACT)
 - H - Motorized with IEC high efficiency motor (IE3)
 - E - Motorized with NEMA high efficiency motor (PREMIUM)
 - G - Unit to allow fitting of IEC motor (customer own motor)
 - A - Unit to allow fitting of NEMA motor (customer own motor)
 - R - Reducer unit
 - S - Reducer unit with fan kit
 - W - Reducer unit with backstop CCW rotation
 - X - Reducer unit with backstop CW rotation
 - Y - Reducer unit with fan and backstop CW rotation
 - Z - Reducer unit with fan and backstop CCW rotation

- 20 - Additional Gearbox Features**
Double Oil Seal, Motorised Backstop Etc
eg - F
- 19 - Additional Motor Features**
eg - A
For Types Without Motor Enter -
- 18 - No of Motor Features**
- No motor

	50 Hz	60 Hz
4 Pole (Std) 1500 rpm	A	1800 rpm B
4 Pole (High) 1500 rpm	K	1800 rpm L
6 Pole (Std) 1000 rpm	C	1200 rpm D
6 Pole (High) 1000 rpm	M	1200 rpm N
2 Pole 3000 rpm	E	3600 rpm F
8 Pole 750 rpm	G	900 rpm H
- S Dual speed or special motor
- 15, 16, 17 - Geared Motor Powers**
Motor Power Required
eg . 7 5
For reducer and non standard motor types enter - - -
- 13, 14 - Mounting Position**
eg 2 B
- 12 - Motor Adaptor For Unit Types**
Column 10 Entries M, N, H, E, G or A
For All Other Types Enter -
- 11 - Output Shaft**
 - Standard Single Extension C on Left † E on Right †
 - Standard Double Extension D
 - Extended Shaft for Flange Mounted Units F
 - Standard Hollow Shaft H
 - Unit with Hollow Shaft with Reduced Bore Dia Z
 - Heavy Duty Single Extension (Size C06) J
 - Heavy Duty Double Extension (Size C06) K

This Page May Be Photocopied Allowing The Customer To Enter Their Order To access the on line configurator please visit www.swift-gears.com

SERIES C

EXPLANATION & USE OF RATINGS & SERVICE FACTORS

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

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

Mechanical ratings and service factor Fm

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

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

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

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

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

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

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

Table 1. Mechanical Service Factor (Fm)

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

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

* calculated with reference to the motor speed

Table 2. Number of Starts Factor (Fs)

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

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

Thermal Rating (For In-line Reducers)

The Thermal Rating is the gearboxes ability to dissipate heat. If exceeded, may cause the lubricant to break down resulting in premature gear failure. A thermal check should be made in accordance with procedure (page 102) for in line reducers.

LOAD CLASSIFICATION BY APPLICATIONS

Table 3

U = Uniform load

M = Moderate shock load

H = Heavy shock load

† = Refer to our Application Engineers

Driven Machine	type of load	Driven Machine	type of load	Driven Machine	type of load
Cranes		log haul-incline	H	log haul	H
main hoists	†	log haul-well type	H	presses	M
bridge travel	†	log turning device	H	pulp machine reel	M
trolley travel	†	main log conveyor	H	stock chest	M
		off bearing rolls	M	suction roll	M
Crusher		planer feed chains	M	washers and thickeners	M
ore	H	planer floor chains	M	winders	M
stone	H	planer tilting hoist	M		
sugar	H	re-saw merry-go-round conveyor	M	Printing presses	†
		roll cases	H		
Dredges		slab conveyor	H	Pullers	
cable reels	M	small waste conveyor-belt	U	barge haul	H
conveyors	M	small waste conveyor-chain	M		
cutter head drives	H	sorting table	M	Pumps	
jig drives	H	tipple hoist conveyor	M	centrifugal	U
manoeuvring winches	M	tipple hoist drive	M	proportioning	M
pumps	M	transfer conveyors	M	reciprocating	
screen drive	H	transfer rolls	M	single acting; 3 or more cylinders	M
stackers	M	tray drive	M	double acting; 2 or more cylinders	M
utility winches	M	trimmer feed	M	single acting; 1 or 2 cylinders	†
		waste conveyor	M	double acting; single cylinder	†
Dry dock cranes				rotary	
main hoist	†	Machine tools		gear type	U
auxiliary hoist	†	bending roll	M	lobe, vane	U
boom, luffing	†	punch press-gear driven	H		
rotating, swing or slew tracking, drive wheels	†	notching press- belt driven	†	Rubber and plastics industries	
		plate planers	H	crackers	H
Elevators		tapping machine	H	laboratory equipment	M
bucket-uniform load	U	other machine tools		mixed mills	H
bucket-heavy load	M	main drives	M	refiners	M
bucket-continuous	U	auxiliary drives	U	rubber calenders	M
centrifugal discharge	U			rubber mill-2 on line	M
escalators	U	Metal mills		rubber mill-3 on line	M
freight	M	draw bench carriage and main drive	M	sheeter	M
gravity discharge	U	pinch, dryer and scrubber rolls-reversing	†	tire building machines	†
man lifts	†	slitters	M	tire and tube press	
passenger	†	table conveyors		openers	†
		non-reversing		tubers and strainers	M
Fans		group drives	M	warming mills	M
centrifugal	U	individual drives	H		
cooling towers		reversing		Sand muller	M
induced draft	†	wire drawing and flattening machine	M		
forced draft	†	wire winding machine	M	Sewage disposal equipment	
induced draft	M			bar screens	U
large, mine, etc	M	Mill-rotary type		chemical feeders	U
large, industrial	M	ball	H	collectors	U
light, small diameter	U	cement kilns	H	dewatering screws	M
		dryers and coolers	H	scum breakers	M
Feeders		kilns, other than cement	H	slow or rapid mixers	M
apron	M	pebble rod	H	thickeners	M
belt	M	plain	H	vacuum filters	M
disc	U	wedge bar	H		
reciprocating	H	tumbling barrels	H	Screens	
screw	M			air washing	U
		Mixers		rotary-stone or gravel travelling water intake	U
Food industry		concrete mixers -continuous	M		
beef slicer	M	concrete mixers -intermittent	M	Slab pushers	M
cereal cooker	U	constant density	U		
dough mixer	M	variable density	M	Steering gear	†
meat grinders	M				
		Oil industry		Stokers	U
Generators-not welding	U	chillers	M		
		oil well pumping	†	Sugar industry	
Hammer mills	H	paraffin filter press	M	cane knives	M
		rotary kilns	M	crushers	M
Hoists				mills	M
heavy duty	H	Paper mills			
medium duty	M	agitators, (mixers)	M	Textile industry	
skip hoist	M	barker-auxiliarieshydraulic	M	batchers	M
		barker-mechanical	H	calenders	M
Laundry washers		barking drum	H	cards	M
reversing	M	beater and pulper	M	dry cans	M
		bleacher	U	dryers	M
Laundry tumblers	M	calenders	M	dyeing machinery	M
		calenders-super	H	knitting machines	†
Line shafts		converting machine, except cutters, platers	M	looms	M
driving processing equipment	M	conveyors	U	mangles	M
light	U	couch	M	nappers	M
other line shafts	U	cutters-plates	H	pads	M
		cylinders	M	range drives	†
Lumber industry		dryers	M	slashers	M
barkers-hydraulicmechanical	M	felt stretcher	M	soapers	M
burner conveyor	M	felt whipper	H	spinners	M
chain saw and drag saw	H	jordans	M	tenter frames	M
chain transfer	H			washers	M
craneway transfer	H			winders	M
de-barking drum	H				
edger feed	M			Windlass	†
gang feed	M				
green chain	M				
live rolls	H				
log deck	H				

SERIES C

SELECTION PROCEDURE FOR MOTORISED UNITS

EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine = 0.7 kW
 Output speed of gearbox or Input speed of machine = 68 rev/min
 Application = Uniformly loaded belt conveyor
 Duration of service (hours per day) = 24hrs
 Mounting position = 1
 Ambient temperature = 20°C
 Running time (%) = 100%

NOTE.

If selecting a Series C Reducer Unit, a Thermal Check MUST be made in accordance with procedure on page 102

1 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application, table 3, page 6

Application = Uniformly loaded belt conveyor

Conveyors-uniformly loaded or fed

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

Refer to mechanical service factor (Fm), table 1, page 5

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 5)

2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUT SHAFT

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

$$\frac{0.7 \times 9550}{68} = 98 \text{ Nm}$$

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.

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

Required output speed of gearbox = 68 rev/min

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 <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of Base Mount Unit	Motor Frame Size
165	8.59	36	2.24	2841	C 0 3 2 1 8 . 0 _ M _ _ _ . 7 5 A _ _	19.5	80A
122	11.61	48	1.81	2837	1 1 .		
107	13.20	54	1.65	2832	1 2 .		
95	14.95	62	1.51	2832	1 4 .		
86	16.36	60	1.44	2827	1 6 .		
74	19.12	78	1.27	2821	1 8 .		
69	20.61	84	1.2	2821	2 0 .		
64	22.11	80	1.18	2821	2 2 .		
56	25.14	90	1.08	2810	2 5 .		
50	28.48	101	1	2810	2 8 .		

Go to point 4

SERIES C

SELECTION PROCEDURE FOR MOTORISED UNITS

4 CHECK OUTPUT TORQUE

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

Required output torque at gearbox outputshaft = 98 Nm.

0.75 kW	N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION Column Entry [1] Through [20] Spaces to be filled when entering order	Kg	Motor Frame Size
	Output SPEED	Ratio	Output Torque	Service Factor	Overhung Load			
	74	19.12	78	1.27	2821	C 0 3 2 1 1 8 . . M _ _ . . 7 5 A - -	19.5	80A
	69	20.61	84	1.2	2821	2 0 .		
	64	22.11	80	1.18	2821	2 2 .		

However the output torque is only 84 against the requirement of 98 Nm, hence a unit fitted with a 1.1 kW motor is required (page 41).

1.1 kW 4 POLE	N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION Column Entry [1] Through [20] Spaces to be filled when entering order	Kg	Motor Frame Size
	Output SPEED	Ratio	Output Torque	Service Factor	Overhung Load			
	74	19.12	115	0.86	2800	C 0 3 2 1 1 8 . . M _ _ . . 1 - 1 A - -	24.5	90S
	68	20.61	123	0.82	2800	2 0 .		
	64	22.11	117	1.8	2800	2 2 .		

Selected unit's output torque (M2) = 123 Nm, therefore the torque from a 1.1 kW motor 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 4 POLE	N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION Column Entry [1] Through [20] Spaces to be filled when entering order	Kg	Motor Frame Size
	Output SPEED	Ratio	Output Torque	Service Factor	Overhung Load			
	74	19.12	115	0.86	2800	C 0 3 2 1 1 8 . . M _ _ . . 1 - 1 A - -	24.5	90S
	68	20.61	123	0.82	2800	2 0 .		
	64	22.11	117	0.8	2800	2 2 .		
	86	16.36	91	1.57	5275	C 0 4 2 1 1 6 . 0 _ M _ _ . . 1 - 1 A - -	26.5	90S
	74	19.12	117	1.43	5275	C 0 4 2 1 1 8 . 0		
	68	20.61	125	1.36	5275	C 0 4 2 1 2 0 . 0		
	64	22.11	121	1.28	5275	C 0 4 2 1 2 2 . 0		

The service factor (Fm) is only 0.82, therefore this unit is not acceptable and a larger C0421 unit must be selected with a service factor (Fm) of 1.36

5 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the outputshaft then refer to Overhung Loads Procedure, 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 4 POLE	N2 R/MIN	i	M2 Nm	Fm	N	UNIT DESIGNATION Column Entry [1] Through [20] Spaces to be filled when entering order	Kg	Motor Frame Size
	Output SPEED	Ratio	Output Torque	Service Factor	Overhung Load			
	164	8.59	54	2.51	5286	C 0 4 2 1 8 . 0 _ M _ _ . . 1 - 1 A - -	24.5	90S
	121	11.61	72	2.04	5279	1 1 .		
	107	13.20	82	1.87	5280	1 2 .		
	94	14.95	92	1.71	5275	1 4 .		
	86	16.36	91	1.57	5275	1 6 .		
	74	19.12	117	1.43	5275	1 8 .		
	68	20.61	125	1.36	5275	2 0 .		
	64	22.11	121	1.28	5275	2 2 .		

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

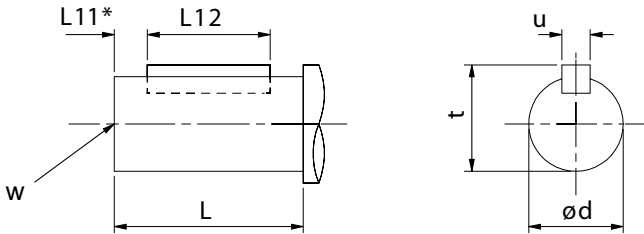
a) Inertia of the Driven Machine (Referred to motor speed) >10
Inertia of Gear Unit plus Motor

b) Ambient temperature is above 40°C

SERIES C

OUTPUT OPTIONS

OUTPUTSHAFT OPTIONS. COLUMN 11 ENTRY



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

Column 11 Entry

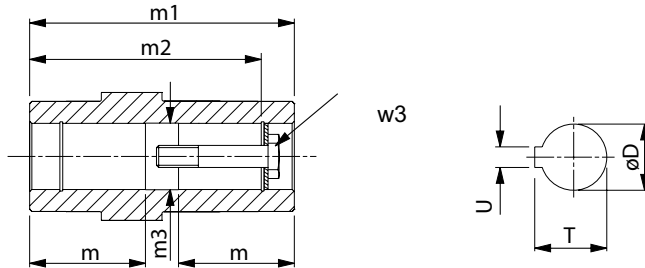
- Standard Single Extension C on Left E on Right
- Standard Double Extension D
- Std Extended Shaft for Flange Mounted Units F
- Std Heavy Duty Single Extension (Size C06) J
- Std Heavy Duty Double Extension (Size C06) K
- Inch Single Extension N on Left B on Right
- Inch Double Extension P
- Inch Extended Shaft for Flange Mount Units G
- Inch Heavy Duty Single Extension (Size C06) L

SIZE OF UNIT	TYPE OF OUTPUT SHAFT	COLUMN 11 ENTRY	DIMENSIONS IN MM (Inch shaft in inches)						
			ød	L	L11	L12	t	u	w
C03	Standard	C, E, D	20.015 / 20.002	35	3	31.2	2.5	6	M6 x 1.0 x 16 Deep
	Inch	N, B, P	0.7500" / 0.7495"	1.38"	*	1.28"	0.83"	0.19"	1/4 UNF x 0.63" Deep
C04	Standard	C, E, D	25.015 / 25.002	46	3	42	28	8	M10 x 1.5 x 22 Deep
	Inch	N, B, P	1.0000" / 0.9995"	1.81"	*	1.69"	1.10"	0.25"	1/4 UNF x 0.63" Deep
C05	Standard	C, E, D	30.015 / 30.002	60	3	53	33	8	M10 x 1.5 x 22 Deep
	Inch	N, B, P	1.2500" / 1.2494"	2.36"	*	2.125"	1.36"	0.25"	3/8 UNF x 0.87" Deep
C06	Standard	C, E, D	35.018 / 35.002	63	3	55	38	10	M12 x 1.75 x 22 Deep
	Standard Heavy Duty	J, K	45.018 / 45.002	98	5	80	48.5	14	M16 x 2.0 x 36 Deep
	Inch	N, B, P	1.3750" / 1.3744"	2.48"	*	2.34"	1.51"	0.313"	1/2 UNF x 1.125" Deep
	Inch Heavy Duty	L	1.7500" / 1.7494"	3.86"	*	3.75"	1.92"	0.375"	5/8 UNF x 1.44" Deep
C07	Standard	C, E, D	45.018 / 45.002	76	3	70	48.5	14	M16 x 2.0 x 36 Deep
	Std Extended Shaft	F	45.018 / 45.002	90	3	84	48.5	14	M16 x 2 x 36 Deep
	Inch	N, B	1.7500" / 1.7494"	2.99"	*	2.625"	1.917"	0.375"	5/8 UNF x 1.44" Deep
	Inch Extended Shaft	G	1.7500" / 1.7494"	3.54"	*	2.75"	1.91"	0.375"	5/8 UNF x 1.44" Deep
	Inch Double Ext	P	1.7500" / 1.7494"	2.99"	*	2.625"	1.917"	0.375"	5/8 UNF x 1.44" Deep
C08	Standard	C, E, D	60.030 / 60.011	120	3	110	64	18	M20 x 2.5 x 42 Deep
	Std Extended Shaft	F	60.030 / 60.011	120	3	110	64	18	M20 x 2.5 x 42 Deep
	Inch	N, B	2.3750" / 2.3744"	4.72"	*	4.125"	2.646"	0.625"	3/4 UNF x 1.75" Deep
	Inch Extended Shaft	G	2.3750" / 2.3744"	4.72"	*	3.25"	2.64"	0.625"	3/4 UNF x 1.75" Deep
	Inch Double Ext	P	2.3125" / 2.3115"	4.72"	*	4.125"	2.582"	0.625"	3/4 UNF x 1.75" Deep
C09	Standard	C, E, D	70.030 / 70.011	135	3	125	74.5	20	M20 x 2.5 x 42 Deep
	Std Extended Shaft	F	70.030 / 70.011	140	3	125	74.5	20	M20 x 2.5 x 42 Deep
	Inch	N, B	2.8750" / 2.8740"	5.12"	*	4.5"	3.20"	0.75"	3/4 UNF x 1.75" Deep
	Inch Extended Shaft	G	2.8750" / 2.8740"	5.51"	*	3.50"	3.20"	0.75"	3/4 UNF x 1.75" Deep
	Inch Double Ext	P	2.6875" / 2.6865"	5.12"	*	4.5"	2.963"	0.625"	3/4 UNF x 1.75" Deep
C10	Standard	C, E, D	90.035 / 90.013	170	3	160	95	25	M24 x 3.0 x 50 Deep
	Std Extended Shaft	F	90.035 / 90.013	170	3	160	95	25	M24 x 3.0 x 50 Deep
	Inch	N, B	3.6250" / 3.6240"	6.69"	*	5.875"	4.009"	0.875"	1 UNF x 2.25" Deep
	Inch Extended Shaft	G	3.6250" / 3.6240"	6.69"	*	5.51"	4.00"	0.875"	1 UNF x 2.25" Deep
	Inch Double Ext	P	3.1875" / 3.1865"	6.69"	*	5.875"	3.518"	0.750"	1 UNF x 2.25" Deep

SERIES C

OUTPUT BORE OPTIONS

OUTPUT BORE OPTIONS. COLUMN 11 ENTRY



Column 11 Entry

Metric Hollow Shaft

H

Inch Hollow Shaft

A

Metric Hollow Shaft with reduced bore diameter

Z

SIZE OF UNIT	TYPE OF BORE	COLUMN 11 ENTRY	DIMENSIONS IN MM (Inch shaft in inches)							
			øD	m	m1	m2	øm3	T	U	w3
C03	Standard	H	20.021/20.000	52	124	104	20.2	22.9	6	M6 x 1.0, 40
	Inch	A	0.7508"/0.7500"	2.05"	4.88"	4.13"	0.76"	0.84"	0.188"	1/4" UNF x 1 1/2"
C04	Standard	H	30.021/30.000	54	130	122	30.2	33.5	8	M10 x 1.5, 50
	Reduced Dia	Z	25.021/25.000	54	130	125	25.2	28.5	8	M10 x 1.5, 50
	Inch	A	1.2510"/1.2500"	2.13"	5.12"	4.81"	1.26"	1.37"	0.25"	3/8 UNF x 2"
C05	Standard	H	35.025/35.000	56	140	127	35.3	38.5	10	M12 x 1.75, 55
	Reduced Dia	Z	30.021/30.000	56	140	127	30.3	33.5	8	M10 x 1.5 x 45
	Inch	A	1.3760"/1.3750"	2.20"	5.52"	5.00"	1.39"	1.53"	0.313"	1/2" UNF x 2"
C06	Standard	H	45.025/45.000	70	180	156	45.3	49	14	M16 x 2.0, 70
	Reduced Dia	Z	40.025/40.000	70	180	156	40.3	43.5	12	M16 x 2.0, 70
	Inch	A	1.5010"/1.5000"	2.76"	7.08"	6.14"	1.51"	1.67"	0.375"	5/8" UNF x 2 3/4"
C07	Standard	H	60.030/60.000	79	218	188	60.5	64.6	18	M20 x 2.5, 80
	Reduced Dia	Z	50.030/50.000	79	218	191	50.5	54	14	M16 x 2.0, x 70
	Inch	A	2.0010"/2.0000"	3.11"	8.58"	7.41"	2.02"	2.23"	0.50"	5/8" UNF x 3"
C08	Standard	H	70.030/70.000	90	250	220	70.5	75.1	20	M20 x 2.5, 80
	Reduced Dia	Z	60.030/60.000	90	250	220	60.5	64.6	18	M20 x 2.5, 80
	Inch	A	2.3760"/2.3750"	3.54"	9.84"	8.68"	2.40"	2.66"	0.625"	3/4" UNF x 3"
C09	Standard	H	90.035/90.000	107.5	300	265	90.5	95.6	25	M24 x 3.0, 110
	Reduced Dia	Z	70.030/70.000	107.5	300	270	70.5	75.1	20	M20 x 2.5, 100
	Inch	A	2.7510"/2.7500"	4.23"	11.82"	10.65"	2.76"	3.04"	0.625"	3/4" UNF x 4 1/4"
C10	Standard	H	100.035/100.000	132.5	350	313	100.5	106.6	28	M24 x 3.0, 110
	Reduced Dia	Z	80.030/80.000	132.5	350	313	80.5	85.6	22	M20 x 2.5, 100
	Inch	A	3.2510"/3.2500"	5.22"	13.78"	12.32"	3.26"	3.59"	0.75"	1" UNF x 4 1/4"

SERIES C MOTOR ADAPTERS

DOUBLE REDUCTION UNITS

IEC Flanges B14 - Column 12 Entry For Unit Types Column 10 Entries G, H and M Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER										
	RATIO COVERAGE	C0321		C0421		C0521		C0621		C0721	
		8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250
71	COLUMN 12 ENTRY	H	H	H	H	-	H	-	-	-	-
80		B	K	B	K	B	K	-	G	-	G
90		D	R	D	R	D	R	Z	J	-	J
100		E	S	E	S	E	S	B	L	B	L
112		E	S	E	S	E	S	B	L	B	L
132		-	-	-	-	-	-	-	-	D	N

IEC Flanges B5 - Column 12 Entry For Unit Types Column 10 Entries G, H and M Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER																
	RATIO COVERAGE	C0321		C0421		C0521		C0621		C0721		C0821		C0921		C1021	
		8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250
63	COLUMN 12 ENTRY	F	F	F	F	-	F	-	V	-	-	-	-	-	-	-	
71		G	G	G	G	-	G	-	D	-	-	-	-	-	-	-	
80		A	J	A	J	A	J	W	F	-	F	-	D	-	E	-	
90		C	Q	C	Q	C	Q	Y	H	-	H	-	E	-	F	-	
100		-	-	-	-	-	-	A	K	A	K	A	F	-	G	-	
112		-	-	-	-	-	-	A	K	A	K	A	F	-	G	-	
132		-	-	-	-	-	-	N	P	C	M	B	G	-	H	-	
160		-	-	-	-	-	-	-	-	E	-	C	H	A	J	A	
180		-	-	-	-	-	-	-	-	-	-	-	-	B	K	B	
200		-	-	-	-	-	-	-	-	-	-	-	-	C	-	C	
225		-	-	-	-	-	-	-	-	-	-	-	-	D	-	D	

Limited Availability / Non Preferred

NEMA Flanges C Face - Column 12 Entry For Unit Types Column 10 Entries A,E and N Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER																
	RATIO COVERAGE	C0321		C0421		C0521		C0621		C0721		C0821		C0921		C1021	
		8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 28. 36. - 40.	32. 45. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250	8.0 - 40. 56. - 63.	45. - 50. 71. - 250
56c	COLUMN 12 ENTRY	T	U	T	U	T	U	-	Q	-	Q	-	M	-	-	-	
143/145TC		V	W	V	W	V	W	-	R	-	R	-	N	-	-	-	
182/184TC		X	-	X	-	X	-	S	T	S	T	J	P	-	S	-	
213/215TC		-	-	-	-	-	-	U	-	U	V	K	Q	-	T	-	
254/256TC		-	-	-	-	-	-	-	-	W	-	L	U	P	U	L	
284/286TC		-	-	-	-	-	-	-	-	-	-	-	-	Q	V	M	
324/326TC		-	-	-	-	-	-	-	-	-	-	-	-	R	W	N	
																T	

SERIES C

MOTOR ADAPTERS

TRIPLE REDUCTION UNITS

IEC Flanges B14 - Column 12 Entry For Unit Types Column 10 Entries G, H and M Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER										
	RATIO COVERAGE	C0331		C0431		C0531		C0631		C0731	
		132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	100 - 150 200 - 225	160 - 180 265 - 900	132 - 150	100 - 118 160 - 900
71	COLUMN 12	H	H	H	H	H	H	-	H	-	-
80		B	K	B	K	B	K	B	K	-	G
90		D	R	D	R	D	R	D	R	Z	J
100		E	S	E	S	E	S	E	S	B	L
112		-	-	-	-	-	-	-	-	B	L

IEC Flanges B5 - Column 12 Entry For Unit Types Column 10 Entries G, H and M Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER										
	RATIO COVERAGE	C0331		C0431		C0531		C0631		C0731	
		132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	100 - 150 200 - 225	160 - 180 265 - 900	132 - 150	100 - 118 160 - 900
63	COLUMN 12	F	F	F	F	F	F	-	F	-	V
71		G	G	G	G	G	G	-	G	-	D
80		A	J	A	J	A	J	A	J	W	F
90		C	Q	C	Q	C	Q	C	Q	Y	H
100		-	-	-	-	-	-	-	-	A	K
112		-	-	-	-	-	-	-	-	A	K
132		-	-	-	-	-	-	-	-	N	P



Limited Availability / Non Preferred

NEMA FLANGES C Face - Column 12 Entry For Unit Types Column 10 Entries A, E and N Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER										
	RATIO COVERAGE	C0331		C0431		C0531		C0631		C0731	
		132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	132 - 150	100 - 118 160 - 900	100 - 150 200 - 225	160 - 180 265 - 900	132 - 150	100 - 118 160 - 900
56c	COLUMN 12	T	U	T	U	T	U	T	U	-	Q
143/145TC		V	W	V	W	V	W	V	W	-	R
182/184TC		X	-	X	-	X	-	X	-	S	T
213/215TC		-	-	-	-	-	-	-	-	U	-

SERIES C MOTOR ADAPTERS

QUADRUPLE REDUCTION UNITS

IEC Flanges B14 - Column 12 Entry For Unit Types Column 10 Entries G, H and M Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER											
	RATIO COVERAGE	C0341	C0441	C0541	C0641	C0741	C0841		C0941		C1041	
		All Ratios	All Ratios	All Ratios	All Ratios	All Ratios	500	560 & Over	500	560 & Over	450	560 & Over
71	COLUMN 12 ENTRY	H	H	H	H	H	-	-	-	-	-	-
80		K	K	K	K	K	-	G	-	G	-	G
90		R	R	R	R	R	Z	J	Z	J	-	J
100		S	S	S	S	S	B	L	B	L	B	L
112		-	-	-	-	-	B	L	B	L	B	L
132		-	-	-	-	-	-	-	-	-	D	N

IEC Flanges B5 - Column 12 Entry For Unit Types Column 10 Entries G, H and M Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER											
	RATIO COVERAGE	C0341	C0441	C0541	C0641	C0741	C0841		C0941		C1041	
		All Ratios	All Ratios	All Ratios	All Ratios	All Ratios	500	560 & Over	500	560 & Over	450	560 & Over
63	COLUMN 12 ENTRY	F	F	F	F	F	-	V	-	V	-	-
71		G	G	G	G	G	-	D	-	D	-	-
80		J	J	J	J	J	W	F	W	F	-	F
90		Q	Q	Q	Q	Q	Y	H	Y	H	-	H
100		-	-	-	-	-	A	K	A	K	A	K
112		-	-	-	-	-	A	K	A	K	K	K
132		-	-	-	-	-	N	P	N	P	C	M
160		-	-	-	-	-	-	-	-	-	E	-

 Limited Availability / Non Preferred

NEMA Flanges C Face - Column 12 Entry For Unit Types Column 10 Entries A, E and N Only

MOTOR FRAME / FLANGE	UNIT SIZE, NUMBER OF REDUCTIONS, REVISION NUMBER											
	RATIO COVERAGE	C0341	C0441	C0541	C0641	C0741	C0841		C0941		C1041	
		All Ratios	All Ratios	All Ratios	All Ratios	All Ratios	500	560 & Over	500	560 & Over	450	560 & Over
56c	COLUMN 12 ENTRY	U	U	U	U	U	-	Q	-	Q	-	Q
143/145TC		W	W	W	W	W	-	R	-	R	-	R
182/184TC		-	-	-	-	-	S	T	S	T	S	T
213/215TC		-	-	-	-	-	U	-	U	-	U	V

SERIES C

LUBRICATION

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.

The oil grade is stamped on the name plate and the oil level should be established by filling until the oil escapes via the level plug,

The grade and level are determined from the operating speed of the gear unit and the ambient temperature range, which if not given when ordering will be assumed to be 1450 rev / min input and ambient temperature range 0 to 35°C. Oil grades and oil level should always be checked before installation, Consult the Installation and Maintenance instructions provided with the gear unit.

To determine the oil grade refer to table 1, and then refer to the Installation and Maintenance instructions to select an approved lubricant
To determine the oil capacity refer to appropriate table 2 or 3. Oil capacities are only approximate and units should be filled until oil escapes from the level plug holes. Do not overfill as excess will cause overheating and leakage.

Always fill with correct lubricant as marked on the nameplate. Never mix lubricant grades.

See Installation and Maintenance instructions for for lists of approved lubricants within the grades.

stated with the order these are the operating conditions that will be assumed

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 our Application Engineers.

TABLE 1 SERIES C OIL GRADES

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
		0>750 - 2000	5G	6G	7G
		>2000 - 3000	4G	6G	6G
	20 - 36	0 - 2000	6G	6G	8G
		>2000 - 3000	5G	6G	7G
		40 - 250	0 - 3000	6G	6G
QUADRUPLES	< - 2800	0 - 750	6G	7G	9G
		>750 - 3000	6G	6G	8G
	3200 - 16000	0 - 3000	6G	7G	9G

* For other ambient temperatures please refer to our Application Engineers.

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

DOUBLE, TRIPLE AND FINAL STAGE QUADRUPLE REDUCTION																
Unit Size		C0321	C0331	C0421	C0431	C0521	C0531	C0621	C0631	C0721	C0731	C0821	C0921	C1021		
MOUNTING POSITION	1	Level 1 *	0.3	0.4	0.4	0.5	0.7	0.9	1.5	2.1	4.5	4.8	7.1	17	28	
		Level 2 *									3.0	3.8	5.9	11	17	
	2			0.5	0.8	0.7	0.9	1.0	1.4	2.3	2.5	3.5	3.7	6.2	12	21
	3			0.5	0.8	0.7	0.9	1.0	1.4	2.2	2.5	3.5	3.7	6.2	12	21
	4		Level 1 *	0.7	1.2	1.0	1.5	1.4	2.1	3.1	4.0	5.1	5.9	9.5	17	26
			Level 2 *									3.0	3.6	4.8	8.3	14
	5			0.6	1.0	0.9	1.3	1.4	2.0	3.0	4.6	5.6	6.6	9.6	18	31
	6		Level 1 *	0.7	1.2	1.0	1.5	1.4	1.9	3.2	4.0	7.4	9.2	12	25	42
			Level 2 *									5.1	6.9	9.5	17	28

* Use Level 1 for output speeds lower than 100 rpm

* Use Level 2 for output speeds of 100 rpm and higher.

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

PRIMARY STAGE QUADRUPLE REDUCTION									
Unit Size		C0341	C0441	C0541	C0641	C0741	C0841	C0941	C1041
SECONDARY UNIT (Lubricant quantity see table 2)		C0321	C0421	C0521	C0621	C0721	C0821	C0921	C1021
PRIMARY UNIT		M0122	M0122	M0122	M0322	M0322	M0522	M0522	M0722
PRIMARY QUANTITY • (Unit lubricant)	1 to 4	0.5	0.5	0.5	0.8	0.8	1.5	1.5	2.6
	5 & 6	1.0	1.0	1.0	1.4	1.4	2.6	2.6	4.7

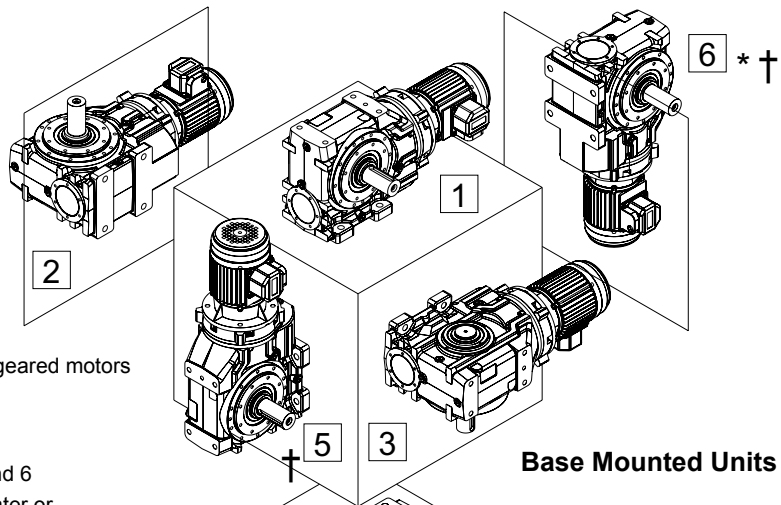
• Unit filled with Grade 6E lubricant suitable for all ambient temperatures between 0°C to 35°C and are 'lubricated for life'

SERIES C

MOUNTING POSITIONS

COLUMN 13 ENTRY

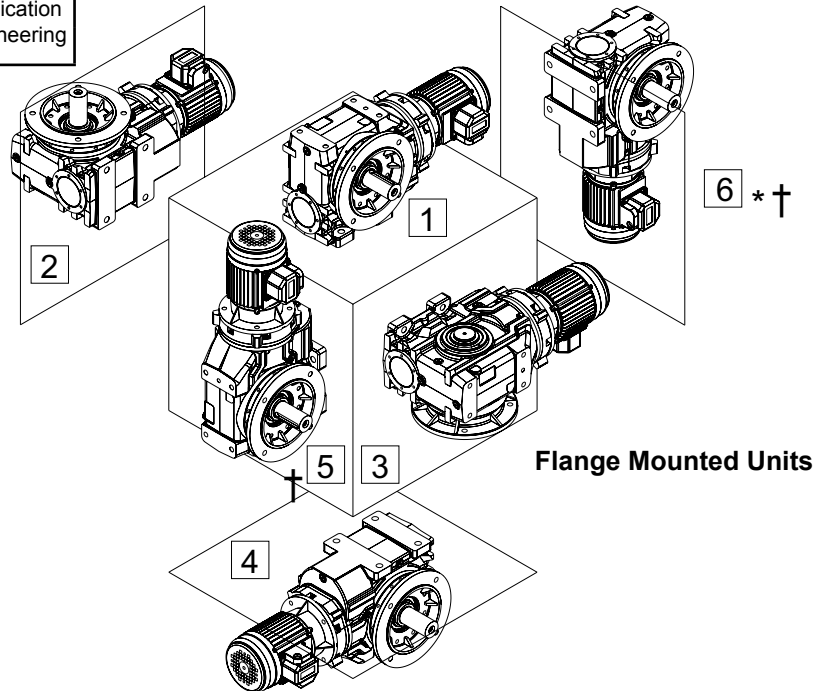
Enter for units with no oil fill



* Mounting Position 6 is not recommended for geared motors
- Consult Application Engineering

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

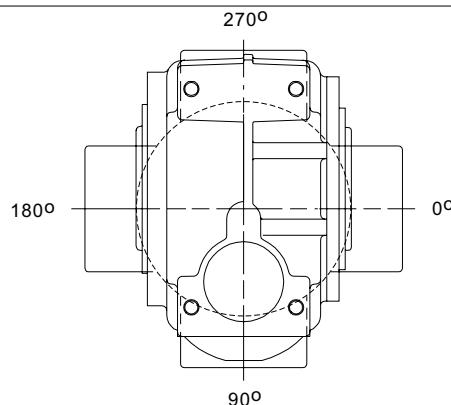
Unit Size	Input Speed (rpm)				Consult Application Engineering
	1000	1500	1800	>1800	
C03-C08	All	All	All		
C09	18:1	18:1	25:1		
C10	18:1	40:1	63:1		



MOUNTING POSITIONS - SHOWN AS MOTORISED - APPLIES ALSO FOR REDUCERS

COLUMN 14 ENTRY

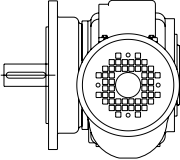
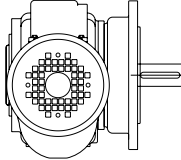
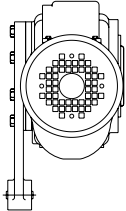
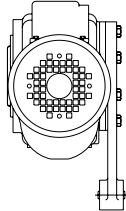
ALL MOTORS

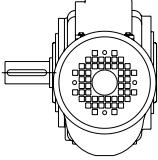
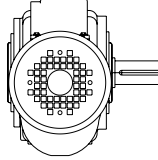
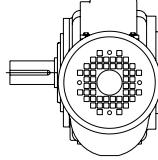
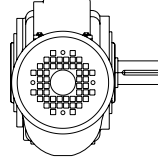
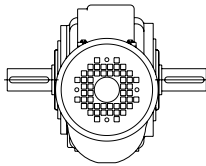
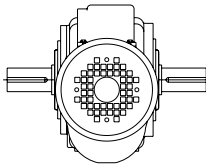
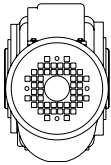
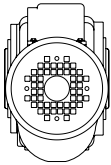


Column 14 Entry	Terminal Box Position
A	0°
B	90°
C	180°
D	270°
-	Reducer or no motor fitted

SERIES C

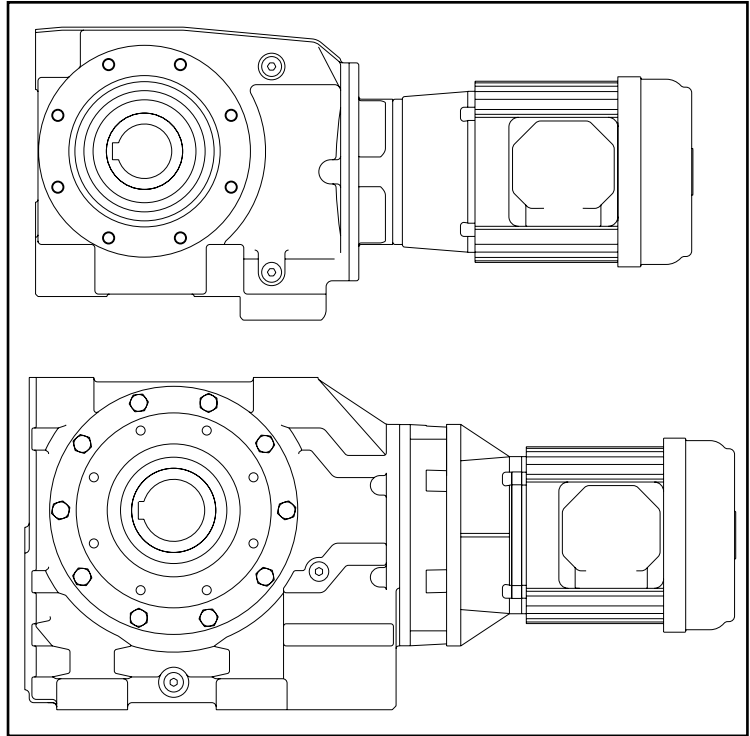
UNIT HANDINGS

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

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

SERIES C
NOTES

SERIES C
MOTORISED



MOTORISED

SERIES C

SERIES C

MOTOR PERFORMANCE DATA

TEFC squirrel cage three phase motors
4 poles = 1500 rpm 400V, 50Hz, S1 IP55, Class F

Output Power Kw	Frame Size	Speed (RPM)	I (A)	Ist	Tst	J
				I	T	(Kgm2)
0.12	63	1360	0.6	2.6	2.5	0.000
0.18	63	1370	0.72	3	2.2	0.000
0.25	71	1400	0.83	3.5	2.2	0.001
0.37	71	1410	1.12	4	2.2	0.001
0.55	80A	1420	1.45	4	2.2	0.002
0.75	80A	1420	1.8	4.5	2.2	0.002
1.1	90S	1410	2.59	5	2.2	0.003
1.5	90L	1420	3.45	5	2.4	0.004
2.2	100L	1430	4.8	5.5	2.4	0.007
3	100L	1430	6.48	5.5	2.5	0.008
4	100L	1420	8.73	5.5	2.5	0.009
4	112M	1435	8.6	7	2.9	0.015
5.5	112M	1425	11.4	7.1	2.8	0.018
5.5	132S	1450	11.1	7.3	2.2	0.031
7.5	132M	1450	14.8	7.9	2.5	0.038
9	132M	1450	18	8.1	2.8	0.043
11	132M	1450	21	8.3	3	0.048
11	160M	1460	21.5	6.7	2.9	0.067
15	160L	1455	28.5	6.8	2	0.091
18.5	160L	1450	36	6.9	2.9	0.102
18.5	180M	1470	35	6.7	3.1	0.161
22	180L	1470	41	6.8	2.9	0.191
30	180L	1465	56	6.9	3.2	0.225
30	200L	1475	56	6.7	2.6	0.29
37	200L	1475	68	7.8	3.6	0.34
37	225S	1480	68	6.6	2.4	0.37
45	225M	1480	83	6.7	2.7	0.42

High Power Motor (Non Standard)

- I = Nominal current
- Ist/I = Starting current factor
- Tst/T = Starting torque factor
- J = Motor moment of inertia

Recalculation Factors

Recalculation factors for current at rated voltages other than 400V, 50 Hz.

Rated voltage at 50Hz and motor wound for	Recalculation factor
220V	1.82
230V	1.74
415V	0,96
500V	0,80
660V	0,61
690V	0,58

TEFC squirrel cage three phase motors
6 poles = 1000 rpm 400V, 50Hz, S1 IP55, Class F

Output Power Kw	Frame Size	Speed (RPM)	I (A)	Ist	Tst	J
				I	T	(Kgm2)
0.12	63	900	0.6	2.1	2.1	0.000
0.18	71	920	0.75	2.5	2	0.001
0.25	71	920	0.92	3	2	0.001
0.37	80A	920	1.25	3.5	2.1	0.002
0.55	80B	930	1.78	3.5	2.1	0.002
0.75	90S	930	2.36	4	1.9	0.003
1.1	90L	930	3.25	4	1.9	0.004
1.5	100L	940	5.8	4.5	1.9	0.009
2.2	112M	940	5.8	4.5	1.9	0.009
2.2	100L	940	5.4	5.6	2.1	0.015
3	112M	935	7.2	5.5	2.4	0.018
3	132S	960	6.9	6.1	2.4	0.031
4	132M	960	8.7	7.1	2.6	0.038
5.5	132M	955	11.9	6.9	2.8	0.045
7.5	160M	970	15.4	6.7	2	0.089
11	160L	970	23	7.1	2.2	0.107
15	180L	970	31	7	2.1	0.217
18.5	180L	965	37.5	6.2	2	0.237
18.5	200L	985	36	7	2.5	0.370
22	200L	980	43	7.2	2.5	0.430
30	200L	980	56	7.5	3.3	0.490
30	225M	985	56	6.6	2.5	0.640

60 Hz Operation

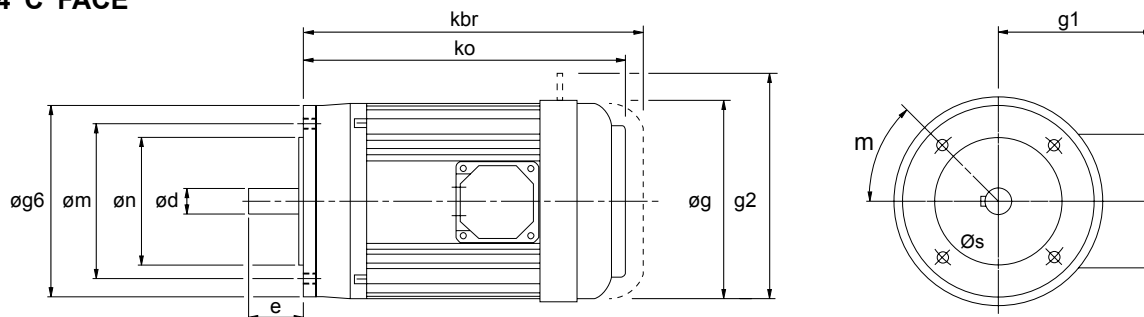
Motors wound for a certain voltage at 50 Hz can be operated at 60 Hz, without any modifications, subject to the following changes in their data

Motor wound for 50 Hz and	Connected to 60 Hz and	Data at 60 Hz in percentage of values at 50 Hz					
		P	n	I	Ist/I	T	Tst/T
		kW	rpm	A		Nm	
400V	380V	100	120	100	80	83	66
	400V	100	120	98	83	83	70
	415V	105	120	100	88	86	78
	440V	110	120	100	95	91	85
	460V	115	120	100	100	96	95
	480V	120	120	100	105	100	100

SERIES C

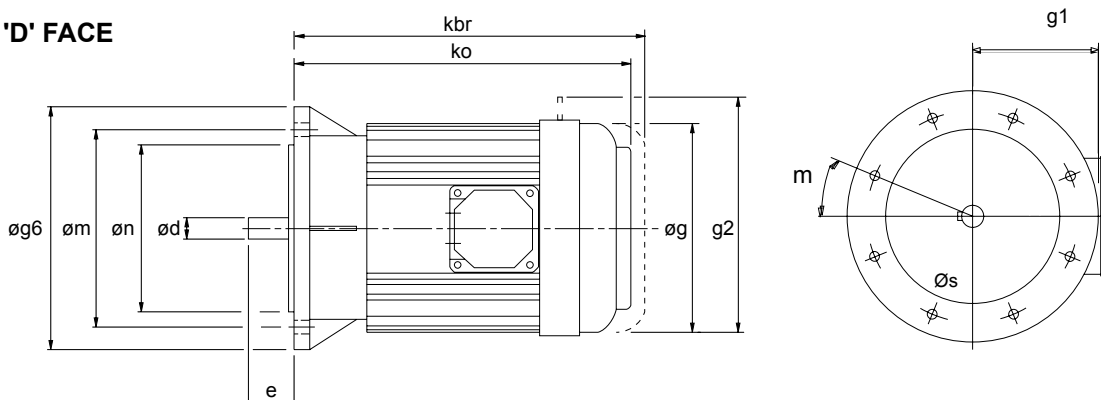
MOTOR DETAILS

B14 'C' FACE



MOTOR FRAME SIZE	Øg6	Øm	Øn	Ød	e	ko*	kbr*	Øg	g1*	m	Øs
71	105	85	70	14	30	221	265	138	102	45°	4 x M6
80A	120	100	80	19	40	239	291	157	125	45°	4 x M6
80B	120	100	80	19	40	248	300	157	125	45°	4 x M6
90S	140	115	95	24	50	260	312	177	133	45°	4 x M8
90L	140	115	95	24	50	275	327	177	133	45°	4 x M8
100L	160	130	110	28	60	310	370	197	144	45°	4 x M8
112M	160	130	110	28	60	325	399	219	155	45°	4 x M8
132S	200	165	130	38	80	392	475	235	172	45°	4 x M10
132M	200	165	130	38	80	412	495	235	172	45°	4 x M10

B5 'D' FACE



MOTOR FRAME SIZE	Øg6	Øm	Øn	Ød	e	ko*	kbr*	Øg	g1*	m	Øs
63	140	115	95	11	23	218	263	122	96	45°	4 x M8
71	160	130	110	14	30	221	265	138	102	45°	4 x M8
80A	200	165	130	19	40	239	291	157	125	45°	4 x M10
80B	200	165	130	19	40	248	300	157	125	45°	4 x M10
90S	200	165	130	24	50	260	312	177	133	45°	4 x M10
90L	200	165	130	24	50	275	327	177	133	45°	4 x M10
100L	250	215	180	28	60	310	370	197	144	45°	4 x M12
112M	250	215	180	28	60	325	399	219	155	45°	4 x M12
132S	300	265	230	38	80	392	475	235	172	45°	4 x M12
132M	300	265	230	38	80	412	495	235	172	45°	4 x M12
160M	350	300	250	42	110	455	538	273	282	45°	4 x M16
160L	350	300	250	42	110	500	583	273	282	45°	4 x M16
180M	350	300	250	48	110	557	-	382	307	22.5°	4 x M16
180L	350	300	250	48	110	595	-	382	307	22.5°	4 x M16
200L	400	350	300	55	110	658	-	420	372	-	4 x M16
225S	450	400	350	60	140	671	-	458	427	-	8 x M16
225M	450	400	350	60	140	696	-	458	427	-	8 x M16
250M	550	500	450	65	140	771	-	510	490	-	8 x M16
280S	550	500	450	75	140	837	-	576	520	-	8 x M16
280M	550	500	450	75	140	888	-	576	520	-	8 x M16

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

SERIES C

ADDITIONAL MOTOR FEATURES

ADDITIONAL MOTOR FEATURES - COLUMN 19 ENTRY

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

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

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

SERIES C

ADDITIONAL GEARBOX FEATURES

ADDITIONAL MOTOR FEATURES - COLUMN 20 ENTRY

Column 20 Entry	Double Output Shaft Oil Seals	Oil Level Glass C07 - C10	* Motorised Backstop		Special
			CW Rotation	CCW Rotation	
-					
A	•				
B		•			
C	•	•			
D			•		
E	•		•		
F		•	•		
G	•	•	•		
H				•	
I	•			•	
J		•		•	
K	•	•		•	
L					•

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

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

IEC B5 frame sizes 100 - 200 and NEMA frame sizes 182TC -326TC - see page 70 for details

SERIES C

SELECTION TABLES

GEARED MOTORS

0.12 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit	
158	8.59	6	13.44	2860	C 0 3 2 1 8 . 0 _ M _ - _ - _ . 1 2 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	19.12	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 .		
16	86.67	48	2.89	2840	9 0 .		
13	101.54	55	2.57	2830	1 0 0		
12	114.33	72	1.78	2820	1 1 2		
10	129.94	82	1.54	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	1.16	2800	2 5 0		
13	105.36	65	2.26	2830	C 0 3 3 1 1 0 0 _ M _ - _ - _ . 1 2 A - -	17.5	63
11	120.39	75	1.99	2820	1 1 8		
10	130.10	68	2.16	2830	1 3 2		
10	140.21	73	2.03	2820	1 5 0		
8.4	162.50	100	1.49	2810	1 6 0		
7.1	190.38	116	1.27	2800	1 8 0		
6.8	200.68	103	1.45	2810	2 0 0		
5.9	229.32	116	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	362.64	179	0.83	2770	3 6 0		
16	82.83	53	3.56	5290	C 0 4 2 1 8 0 . _ M _ - _ - _ . 1 2 A - -	16.5	63
12	114.33	72	1.78	5290	1 1 2		
10	129.94	83	1.54	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	1.78	5290	2 1 2		
5.5	247.50	130	1.54	5280	2 5 0		
13	105.36	67	3.04	5290	C 0 4 3 1 1 0 0 _ M _ - _ - _ . 1 2 A - -	20.5	63
11	120.39	76	2.66	5290	1 1 8		
10	130.10	70	3.40	5290	1 3 2		
10	140.21	75	3.25	5290	1 5 0		
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	362.64	185	1.50	5270	3 6 0		
2.7	507.14	254	1.09	5240	5 0 0		
5.7	240.00	131	3.67	7440	C 0 5 2 1 2 5 0 _ M _ - _ - _ . 1 2 A - -	18.5	63
8.5	160.26	103	3.82	7440	C 0 5 3 1 1 6 0 _ M _ - _ - _ . 1 2 A - -	21.5	63
7.2	187.76	120	3.27	7440	1 8 0		
5.9	229.81	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		
4.5	299.67	200	3.83	11800	C 0 6 3 1 2 8 0 _ M _ - _ - _ . 1 2 A - -	37.5	63
3.8	357.32	200	3.83	11900	3 6 0		
3.4	395.39	262	2.92	11800	4 0 0		
3.0	449.50	296	2.59	11800	4 5 0		
2.6	514.75	281	2.72	11800	5 0 0		
2.3	580.00	315	2.43	11800	5 6 0		
1.8	765.28	410	1.87	11700	8 0 0		
1.6	870.00	462	1.66	11700	9 0 0		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.12 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit			
1.3	1021.77	655	1.17	11402	C 0 6 4 1 1 0 C _ M _ _ _ _ . 1 2 A - -	50.5	63		
1.2	1110.85	711	1.08	11402	1 1 C				
1.0	1299.84	815	0.94	11402	1 2 C				
0.91	1495.14	937	0.82	11402	1 4 C				
2.7	499.88	321	3.95	29200	C 0 7 3 1 5 0 0 _ M _ _ _ _ . 1 2 A - -	84.5	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				
1.3	1009.20	679	1.97	28931	C 0 7 4 1 1 0 C _ M _ _ _ _ . 1 2 A - -	88.5	63		
1.2	1097.19	738	1.82	28931	1 1 C				
1.1	1213.28	806	1.66	28931	1 2 C				
0.97	1395.57	926	1.45	28931	1 4 C				
0.90	1517.24	1006	1.33	28931	1 6 C				
0.82	1661.54	1097	1.22	28931	1 8 C				
0.68	1994.66	1314	1.02	28931	2 0 C				
0.62	2185.71	1441	0.93	28931	2 2 C				
0.55	2462.77	1619	0.83	28931	2 5 C				
1.3	1083.79	737	3.86	41656	C 0 8 4 1 1 1 C _ M _ _ _ _ . 1 2 A - -			141.5	63
1.1	1191.45	812	3.34	41656	1 2 C				
0.97	1404.96	954	2.84	41656	1 4 C				
0.89	1532.14	1030	3.18	41545	1 6 C				
0.72	1901.25	1276	2.57	41545	1 8 C				
0.65	2088.45	1396	2.40	41545	2 0 C				
0.61	2241.96	1501	2.18	41545	2 2 C				
0.55	2462.71	1643	2.04	41545	2 5 C				
0.50	2696.62	1797	1.87	41545	2 8 C				
0.41	3304.80	2194	1.53	41545	3 2 C				
0.36	3760.71	2492	1.31	41545	3 6 C				
0.71	1908.45	1307	3.77	53383	C 0 9 4 1 1 8 C _ M _ _ _ _ . 1 2 A - -	209.5	63		
0.65	2106.88	1440	3.44	53383	2 0 C				
0.60	2250.46	1538	3.20	53383	2 2 C				
0.55	2484.44	1694	2.92	53383	2 5 C				
0.50	2720.42	1852	2.67	53383	2 8 C				
0.41	3333.96	2262	2.19	53383	3 2 C				
0.36	3774.96	2554	1.93	53383	3 6 C				

0.12 kW

6 POLE

101	8.59	9	9.52	2860	C 0 3 2 1 8 . 0 _ M _ _ _ _ . 1 2 C - -	14.5	63		
75	11.61	12	7.78	2860	1 1 .				
66	13.20	14	7.04	2860	1 2 .				
58	14.95	15	6.45	2860	1 4 .				
53	16.36	15	6.26	2860	1 6 .				
45	19.12	20	5.38	2850	1 8 .				
42	20.61	21	5.11	2850	2 0 .				
39	22.11	20	5.11	2850	2 2 .				
35	25.14	22	4.67	2850	2 5 .				
31	28.48	25	4.29	2850	2 8 .				
26	33.71	34	3.59	2850	3 2 .				
24	36.43	32	3.61	2850	3 6 .				
22	39.26	34	3.43	2850	4 0 .				
19	45.50	46	2.98	2840	4 5 .				
16	53.31	53	2.70	2830	5 0 .				
15	56.19	49	2.67	2840	5 6 .				
14	64.21	55	2.44	2830	6 3 .				
12	74.55	74	2.01	2820	7 1 .				
11	82.83	81	1.82	2820	8 0 .				
10	86.67	73	2.04	2830	9 0 .				
8.6	101.54	84	1.76	2820	1 0 0				
7.6	114.33	112	1.14	2800	1 1 2				
6.7	129.94	126	0.99	2800	1 2 5				
6.1	142.00	116	1.28	2800	1 4 0				
5.5	157.78	128	1.16	2800	1 6 0				
4.0	217.78	174	0.85	2770	2 1 2				
8.3	105.36	102	1.46	2810	C 0 3 3 1 1 0 0 _ M _ _ _ _ . 1 2 C - -			17.5	63
7.2	120.39	116	1.28	2800	1 1 8				
6.7	130.10	104	1.42	2810	1 3 2				
6.2	140.21	112	1.32	2800	1 5 0				
5.4	162.50	155	0.96	2780	1 6 0				
4.6	190.38	181	0.82	2770	1 8 0				
4.3	200.68	157	0.94	2780	2 0 0				
3.8	229.32	179	0.83	2770	2 2 5				
16	53.31	54	3.78	5290	C 0 4 2 1 5 0 . _ M _ _ _ _ . 1 2 C - -	16.5	63		
14	64.21	56	3.90	5290	6 3 .				
12	74.55	74	2.71	5290	7 1 .				

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.12 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
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	
11	82.83	82	2.28	5290	C 0 4 2 1 8 0 . _ M _ - _ - _ . 1 2 C - -	16.5	63
10	86.67	74	3.31	5290	9 0 .		
8.6	101.54	86	2.95	5290	1 0 0		
7.6	114.33	113	1.14	5290	1 1 2		
6.7	129.94	127	0.99	5280	1 2 5		
6.1	142.00	118	2.35	5290	1 4 0		
5.5	157.78	130	2.13	5280	1 6 0		
4.0	217.78	176	1.14	5270	2 1 2		
3.5	247.50	198	0.99	5260	2 5 0		
8.3	105.36	103	1.94	5290	C 0 4 3 1 1 0 0 _ M _ - _ - _ . 1 2 C - -	20.5	63
7.2	120.39	117	1.70	5290	1 1 8		
6.7	130.10	107	2.55	5290	1 3 2		
6.2	140.21	115	2.40	5290	1 5 0		
5.4	162.50	156	1.26	5280	1 6 0		
4.6	190.38	182	1.08	5270	1 8 0		
4.3	200.68	162	1.71	5280	2 0 0		
3.8	229.32	184	1.51	5270	2 2 5		
2.8	309.52	243	1.14	5250	3 1 5		
2.4	362.64	283	0.98	5240	3 6 0		
8.0	109.07	111	3.49	7440	C 0 5 2 1 1 1 2 _ M _ - _ - _ . 1 2 C - -	18.5	63
7.0	124.00	125	3.04	7440	1 2 5		
6.1	142.00	122	3.93	7440	1 4 0		
5.4	160.00	136	3.52	7440	1 6 0		
4.1	211.11	178	2.70	7440	2 1 2		
3.6	240.00	200	2.40	7440	2 5 0		
8.4	103.90	105	3.76	7440	C 0 5 3 1 1 0 0 _ M _ - _ - _ . 1 2 C - -	21.5	63
7.3	118.73	119	3.29	7440	1 1 8		
5.4	160.26	159	2.45	7440	1 6 0		
4.6	187.76	186	2.08	7440	1 8 0		
4.3	201.10	168	2.85	7440	2 0 0		
3.8	229.81	191	2.51	7440	2 2 5		
3.3	262.58	257	1.50	7440	2 6 5		
3.0	291.75	284	1.35	7440	2 8 0		
2.8	310.18	254	1.90	7440	3 1 5		
2.4	363.40	295	1.63	7440	3 6 0		
2.2	402.70	391	0.97	7430	4 0 0		
1.9	457.66	441	0.86	7420	4 5 0		
1.7	508.21	406	1.19	7430	5 0 0		
1.5	564.68	449	1.07	7420	5 6 0		
7.0	124.00	132	3.95	11900	C 0 6 2 1 1 2 5 _ M _ - _ - _ . 1 2 C - -	32.5	63
3.6	240.00	211	3.62	11900	2 5 0		
4.7	184.62	193	3.95	11900	C 0 6 3 1 1 8 0 _ M _ - _ - _ . 1 2 C - -	37.5	63
3.3	265.95	275	2.78	11800	2 6 5		
2.9	299.67	309	2.48	11800	2 8 0		
2.6	328.67	282	2.71	11800	3 1 5		
2.4	357.32	305	2.51	11800	3 6 0		
2.2	395.39	405	1.89	11700	4 0 0		
1.9	449.50	458	1.67	11700	4 5 0		
1.7	514.75	431	1.77	11700	5 0 0		
1.5	580.00	482	1.59	11700	5 6 0		
1.1	765.28	629	1.22	11600	8 0 0		
1.0	870.00	709	1.08	11500	9 0 0		
2.7	319.95	323	3.93	29200	C 0 7 3 1 3 1 5 _ M _ - _ - _ . 1 2 C - -	84.5	63
2.5	341.61	344	3.69	29200	3 6 0		
2.3	373.83	400	3.35	29200	4 0 0		
2.1	419.25	446	3.00	29200	4 5 0		
1.7	499.88	495	2.55	29200	5 0 0		
1.6	547.35	539	2.33	29200	5 6 0		
1.2	747.66	731	1.72	29200	8 0 0		
1.0	838.50	817	1.54	29200	9 0 0		
0.86	1009.20	1059	1.27	28931	C 0 7 4 1 1 0 C _ M _ - _ - _ . 1 2 C - -	88.5	63
0.79	1097.19	1150	1.17	28931	1 1 C		
0.72	1213.28	1260	1.06	28931	1 2 C		
0.62	1395.57	1446	0.93	28931	1 4 C		
0.57	1517.24	1570	0.85	28931	1 6 C		
1.4	636.31	682	3.98	41656	C 0 8 4 1 6 3 0 _ M _ - _ - _ . 1 2 C - -	141.5	63
1.2	711.92	761	3.57	41656	7 1 0		
1.1	758.79	812	3.34	41656	8 0 0		
0.97	899.27	959	2.83	41656	9 0 0		
0.91	960.14	1023	2.65	41656	1 0 C		
0.80	1083.79	1151	2.47	41656	1 1 C		
0.73	1191.45	1264	2.15	41656	1 2 C		
0.62	1404.96	1484	1.83	41656	1 4 C		
0.57	1532.14	1610	2.03	41545	1 6 C		
0.46	1901.25	1991	1.64	41545	1 8 C		
0.42	2088.45	2180	1.54	41545	2 0 C		
0.39	2241.96	2340	1.40	41545	2 2 C		
0.35	2462.71	2563	1.31	41545	2 5 C		
0.32	2696.62	2801	1.20	41545	2 8 C		
0.26	3304.80	3414	0.98	41545	3 2 C		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.12 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit	
0.23	3760.71	3866	0.85	41545	C 0 8 4 1 3 6 C _ M _ _ _ _ . 1 2 C - -	141.5	63
0.72	1216.09	1319	3.62	53383	C 0 9 4 1 1 2 C _ M _ _ _ _ . 1 2 C - -	209.5	63
0.61	1434.02	1549	3.09	53383	1 4 C		
0.57	1537.95	1649	2.99	53383	1 6 C		
0.46	1908.45	2039	2.41	53383	1 8 C		
0.41	2106.88	2247	2.20	53383	2 0 C		
0.39	2250.46	2397	2.05	53383	2 2 C		
0.35	2484.44	2641	1.88	53383	2 5 C		
0.32	2720.42	2886	1.72	53383	2 8 C		
0.26	3333.96	3518	1.41	53383	3 2 C		
0.23	3774.96	3963	1.24	53383	3 6 C		

0.18 kW

4 POLE

159	8.59	8	9.03	2858	C 0 3 2 1 8 . 0 _ M _ _ _ _ . 1 8 A - -	14.5	63		
118	11.61	12	7.30	2857	1 1 .				
104	13.20	13	6.67	2857	1 2 .				
92	14.95	15	6.09	2857	1 4 .				
84	16.36	14	5.83	2856	1 6 .				
72	19.12	19	5.11	2856	1 8 .				
66	20.61	20	4.84	2856	2 0 .				
62	22.11	19	4.77	2856	2 2 .				
54	25.14	22	4.36	2855	2 5 .				
48	28.48	25	4.02	2855	2 8 .				
41	33.71	33	3.38	2844	3 2 .				
38	36.43	31	3.39	2844	3 6 .				
35	39.26	34	3.22	2844	4 0 .				
30	45.50	44	2.72	2841	4 5 .				
26	53.31	52	2.44	2831	5 0 .				
24	56.19	47	2.51	2841	5 6 .				
21	64.21	54	2.29	2830	6 3 .				
18	74.55	71	2.00	2825	7 1 .				
17	82.83	79	1.85	2818	8 0 .				
16	86.67	71	1.94	2825	9 0 .				
13	101.54	82	1.73	2816	1 0 0				
12	114.33	107	1.20	2801	1 1 2				
11	129.94	122	1.03	2796	1 2 5				
10	142.00	113	1.32	2801	1 4 0				
8.7	157.78	124	1.20	2796	1 6 0				
6.3	217.78	168	0.88	2770	2 1 2				
13	105.36	98	1.52	2810	C 0 3 3 1 1 0 0 _ M _ _ _ _ . 1 8 A - -	17.5	63		
11	120.39	111	1.33	2801	1 1 8				
11	130.10	102	1.45	2811	1 3 2				
10	140.21	109	1.36	2801	1 5 0				
8.4	162.50	149	1.00	2782	1 6 0				
7.2	190.38	174	0.86	2770	1 8 0				
6.8	200.68	153	0.97	2780	2 0 0				
6.0	229.32	174	0.86	2770	2 2 5				
26	53.31	52	3.97	5286	C 0 4 2 1 5 0 . _ M _ _ _ _ . 1 8 A - -			16.5	63
21	64.21	55	3.67	5286	6 3 .				
18	74.55	72	2.84	5284	7 1 .				
17	82.83	80	2.39	5284	8 0 .				
16	86.67	73	3.11	5287	9 0 .				
13	101.54	84	2.77	5285	1 0 0				
12	114.33	108	1.20	5280	1 1 2				
11	129.94	123	1.03	5278	1 2 5				
10	142.00	115	2.18	5280	1 4 0				
8.7	157.78	127	2.02	5278	1 6 0				
6.3	217.78	172	1.20	5271	2 1 2				
5.5	247.50	194	1.03	5261	2 5 0				
13	105.36	99	2.04	5281	C 0 4 3 1 1 0 0 _ M _ _ _ _ . 1 8 A - -	20.5	63		
11	120.39	113	1.78	5280	1 1 8				
11	130.10	104	2.28	5281	1 3 2				
10	140.21	112	2.18	5280	1 5 0				
8.4	162.50	151	1.32	5275	1 6 0				
7.2	190.38	176	1.13	5270	1 8 0				
6.8	200.68	157	1.75	5275	2 0 0				
6.0	229.32	178	1.55	5271	2 2 5				
5.1	266.25	244	0.81	5246	2 6 5				
4.4	309.52	237	1.17	5250	3 1 5				
3.8	362.64	275	1.01	5240	3 6 0				
13	109.07	107	3.66	7438	C 0 5 2 1 1 1 2 _ M _ _ _ _ . 1 8 A - -	18.5	63		
11	124.00	121	3.19	7438	1 2 5				
8.6	160.00	133	3.61	7436	1 6 0				
6.5	211.11	173	2.78	7433	2 1 2				
5.7	240.00	195	2.47	7437	2 5 0				

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.18 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
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	
13	103.90	101	3.95	7436	C 0 5 3 1 1 0 0 _ M _ - - - - . 1 8 A - -	21.5	63
12	118.73	115	3.46	7435	1 1 8		
8.5	160.26	153	2.57	7434	1 6 0		
7.3	187.76	179	2.19	7434	1 8 0		
6.8	201.10	163	2.94	7435	2 0 0		
6.0	229.81	186	2.59	7434	2 2 5		
5.2	262.58	247	1.57	7432	2 6 5		
4.7	291.75	273	1.42	7430	2 8 0		
4.4	310.18	246	1.95	7432	3 1 5		
3.8	363.40	286	1.68	7428	3 6 0		
3.4	402.70	374	1.03	7421	4 0 0		
3.0	457.66	425	0.90	7416	4 5 0		
2.7	508.21	394	1.22	7421	5 0 0		
2.4	564.68	435	1.11	7420	5 6 0		
1.8	779.42	592	0.81	7390	8 0 0		
5.7	240.00	206	3.71	11852	C 0 6 2 1 2 5 0 _ M _ - - - - . 1 8 A - -	32.5	63
5.2	265.95	265	2.89	11830	C 0 6 3 1 2 6 5 _ M _ - - - - . 1 8 A - -	37.5	63
4.6	299.67	297	2.57	11728	2 8 0		
4.2	328.67	275	2.78	11828	3 1 5		
3.8	357.32	297	2.57	11828	3 6 0		
3.5	395.39	390	1.96	11704	4 0 0		
3.0	449.50	440	1.74	11661	4 5 0		
2.7	514.75	419	1.83	11707	5 0 0		
2.4	580.00	469	1.63	11707	5 6 0		
1.8	765.28	610	1.25	11600	8 0 0		
1.6	870.00	688	1.11	11500	9 0 0		
4.0	341.61	330	3.84	28143	C 0 7 3 1 3 6 0 _ M _ - - - - . 1 8 A - -		
3.7	373.83	384	3.49	27930	4 0 0		
3.3	419.25	429	3.12	29161	4 5 0		
2.7	499.88	479	2.65	29152	5 0 0		
2.5	547.35	522	2.43	29152	5 6 0		
1.8	747.66	701	1.80	29130	8 0 0		
1.6	838.50	784	1.61	29116	9 0 0		
1.4	1009.20	1012	1.33	28931	C 0 7 4 1 1 0 C _ M _ - - - - . 1 8 A - -	88.5	63
1.2	1097.19	1099	1.22	28931	1 1 C		
1.1	1213.28	1201	1.12	28931	1 2 C		
0.98	1395.57	1379	0.97	28931	1 4 C		
0.90	1517.24	1498	0.90	28931	1 6 C		
0.82	1661.54	1634	0.82	28931	1 8 C		
1.9	711.92	726	3.74	41656	C 0 8 4 1 7 1 0 _ M _ - - - - . 1 8 A - -		
1.8	758.79	774	3.51	41656	8 0 0		
1.5	899.27	916	2.96	41656	9 0 0		
1.4	960.14	977	2.78	41656	1 0 C		
1.3	1083.79	1098	2.59	41656	1 1 C		
1.1	1191.45	1209	2.25	41656	1 2 C		
0.98	1404.96	1421	1.91	41656	1 4 C		
0.89	1532.14	1534	2.14	41545	1 6 C		
0.72	1901.25	1900	1.72	41545	1 8 C		
0.66	2088.45	2079	1.61	41545	2 0 C		
0.61	2241.96	2236	1.47	41545	2 2 C		
0.56	2462.71	2447	1.37	41545	2 5 C		
0.51	2696.62	2676	1.25	41545	2 8 C		
0.41	3304.80	3268	1.03	41545	3 2 C		
0.36	3760.71	3711	0.88	41545	3 6 C		
1.1	1216.09	1261	3.79	53383	C 0 9 4 1 1 2 C _ M _ - - - - . 1 8 A - -	209.5	63
0.96	1434.02	1483	3.22	53383	1 4 C		
0.89	1537.95	1572	3.13	53383	1 6 C		
0.72	1908.45	1947	2.53	53383	1 8 C		
0.65	2106.88	2144	2.31	53383	2 0 C		
0.61	2250.46	2291	2.15	53383	2 2 C		
0.55	2484.44	2523	1.96	53383	2 5 C		
0.50	2720.42	2759	1.80	53383	2 8 C		
0.41	3333.96	3368	1.47	53383	3 2 C		
0.36	3774.96	3803	1.30	53383	3 6 C		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.18 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit	
105	8.59	13	6.56	2857	C 0 3 2 1 8 . 0 _ M _ _ _ . 1 8 C - -	15.5	71
78	11.61	17	5.36	2856	1 1 .		
68	13.20	20	4.85	2856	1 2 .		
60	14.95	22	4.45	2855	1 4 .		
55	16.36	22	4.32	2855	1 6 .		
47	19.12	29	3.71	2845	1 8 .		
44	20.61	31	3.52	2844	2 0 .		
41	22.11	29	3.53	2845	2 2 .		
36	25.14	33	3.22	2844	2 5 .		
32	28.48	37	2.96	2843	2 8 .		
27	33.71	50	2.48	2840	3 2 .		
25	36.43	46	2.49	2841	3 6 .		
23	39.26	50	2.36	2840	4 0 .		
20	45.50	67	2.06	2827	4 5 .		
17	53.31	77	1.86	2816	5 0 .		
16	56.19	71	1.84	2827	5 6 .		
14	64.21	80	1.68	2816	6 3 .		
12	74.55	107	1.39	2800	7 1 .		
11	82.83	118	1.26	2798	8 0 .		
10	86.67	105	1.41	2810	9 0 .		
8.9	101.54	122	1.21	2796	1 0 0		
6.3	142.00	168	0.89	2772	1 4 0		
5.7	157.78	185	0.80	2338	1 6 0		
8.5	105.36	148	1.01	2135	C 0 3 3 1 1 0 0 _ M _ _ _ . 1 8 C - -	19.5	71
7.5	120.39	168	0.89	2772	1 1 8		
6.9	130.10	152	0.98	2782	1 3 2		
6.4	140.21	163	0.91	2772	1 5 0		
25	36.43	48	3.97	5286	C 0 4 2 1 3 6 . _ M _ _ _ . 1 8 C - -	18.5	71
23	39.26	51	3.79	5286	4 0 .		
20	45.50	67	3.05	5285	4 5 .		
17	53.31	79	2.60	5284	5 0 .		
16	56.19	72	2.95	5285	5 6 .		
14	64.21	81	2.69	5283	6 3 .		
12	74.55	108	1.87	5281	7 1 .		
11	82.83	120	1.57	5278	8 0 .		
10	86.67	108	2.28	5280	9 0 .		
8.9	101.54	125	2.03	5278	1 0 0		
6.3	142.00	171	1.62	5273	1 4 0		
5.7	157.78	189	1.47	5263	1 6 0		
8.5	105.36	150	1.34	5276	C 0 4 3 1 1 0 0 _ M _ _ _ . 1 8 C - -	21.5	71
7.5	120.39	170	1.17	5273	1 1 8		
6.9	130.10	156	1.76	5274	1 3 2		
6.4	140.21	167	1.66	5273	1 5 0		
5.5	162.50	227	0.87	5256	1 6 0		
4.5	200.68	235	1.18	5256	2 0 0		
3.9	229.32	266	1.04	5242	2 2 5		
12	73.37	109	3.64	7436	C 0 5 2 1 7 1 . _ M _ _ _ . 1 8 C - -	21.5	71
11	82.67	123	3.23	7435	8 0 .		
9.1	98.57	126	3.81	7435	1 0 0		
8.3	109.07	161	2.41	7434	1 1 2		
7.3	124.00	181	2.09	7434	1 2 5		
6.3	142.00	177	2.71	7434	1 4 0		
5.6	160.00	198	2.43	7431	1 6 0		
4.3	211.11	258	1.86	6731	2 1 2		
3.8	240.00	291	1.66	7428	2 5 0		
8.7	103.90	152	2.59	7037	C 0 5 3 1 1 0 0 _ M _ _ _ . 1 8 C - -	25.5	71
7.6	118.73	173	2.27	6984	1 1 8		
6.9	130.38	162	2.96	6984	1 3 2		
6.4	140.51	174	2.77	6984	1 5 0		
5.6	160.26	231	1.69	6731	1 6 0		
4.8	187.76	269	1.44	7427	1 8 0		
4.5	201.10	244	1.97	7430	2 0 0		
3.9	229.81	277	1.73	7427	2 2 5		
3.4	262.58	373	1.03	7420	2 6 5		
3.1	291.75	411	0.93	7418	2 8 0		
2.9	310.18	368	1.31	7423	3 1 5		
2.5	363.40	428	1.12	7094	3 6 0		
1.8	508.21	589	0.82	7393	5 0 0		
7.3	124.00	192	2.72	11852	C 0 6 2 1 1 2 5 _ M _ _ _ . 1 8 C - -	34.5	71
5.7	156.67	206	3.71	11852	1 6 0		
4.2	214.00	275	2.78	11833	2 1 2		
3.8	240.00	307	2.49	11823	2 5 0		
5.3	169.81	259	2.95	11833	C 0 6 3 1 1 6 0 _ M _ _ _ . 1 8 C - -	39.5	71
4.9	184.62	281	2.72	11823	1 8 0		
3.4	265.95	399	1.92	11702	2 6 5		
3.0	299.67	448	1.71	11680	2 8 0		
2.7	328.67	409	1.87	11704	3 1 5		
2.5	357.32	442	1.73	11704	3 6 0		
2.3	395.39	588	1.30	11556	4 0 0		
2.0	449.50	665	1.15	11515	4 5 0		
1.7	514.75	625	1.22	11561	5 0 0		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES GEARED MOTORS

0.18 kW
6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit			
1.6	580.00	700	1.09	11515	C 0 6 3 1 5 6 0 _ M _ _ _ _ . 1 8 C - -	39.5	71		
1.2	765.28	913	0.84	11400	8 0 0				
4.0	226.39	334	3.79	29180	C 0 7 3 1 2 2 5 _ M _ _ _ _ . 1 8 C - -	86.5	71		
3.6	249.94	392	3.41	29171	2 6 5				
3.3	273.68	428	3.12	29161	2 8 0				
2.8	319.95	468	2.71	29161	3 1 5				
2.6	341.61	499	2.54	29152	3 6 0				
2.4	373.83	580	2.31	29144	4 0 0				
2.1	419.25	648	2.07	29144	4 5 0				
1.8	499.88	717	1.76	29130	5 0 0				
1.6	547.35	782	1.61	29116	5 6 0				
1.2	747.66	1061	1.19	29080	8 0 0				
1.1	838.50	1185	1.06	29056	9 0 0				
0.89	1009.20	1536	0.87	28931	C 0 7 4 1 1 0 C _ M _ _ _ _ . 1 8 C - -			90.5	71
0.82	1097.19	1667	0.80	28931	1 1 C				
1.6	547.09	852	3.19	41656	C 0 8 4 1 5 6 0 _ M _ _ _ _ . 1 8 C - -	143.5	71		
1.4	636.31	989	2.74	41656	6 3 0				
1.3	711.92	1104	2.46	41656	7 1 0				
1.2	758.79	1177	2.31	41656	8 0 0				
1.0	899.27	1391	1.95	41656	9 0 0				
0.94	960.14	1484	1.83	41656	1 0 C				
0.83	1083.79	1669	1.70	41656	1 1 C				
0.76	1191.45	1833	1.48	41656	1 2 C				
0.64	1404.96	2152	1.26	41656	1 4 C				
0.59	1532.14	2335	1.40	41545	1 6 C				
0.47	1901.25	2887	1.13	41545	1 8 C				
0.43	2088.45	3162	1.06	41545	2 0 C				
0.40	2241.96	3394	0.97	41545	2 2 C				
0.37	2462.71	3716	0.90	41545	2 5 C				
0.33	2696.62	4061	0.83	41545	2 8 C				
1.2	774.48	1227	3.90	53383	C 0 9 4 1 8 0 0 _ M _ _ _ _ . 1 8 C - -			211.5	71
0.98	917.87	1451	3.29	53383	9 0 0				
0.92	980.00	1547	3.09	53383	1 0 C				
0.83	1088.78	1713	2.81	53383	1 1 C				
0.74	1216.09	1912	2.50	53383	1 2 C				
0.63	1434.02	2246	2.13	53383	1 4 C				
0.59	1537.95	2391	2.06	53383	1 6 C				
0.47	1908.45	2957	1.67	53383	1 8 C				
0.43	2106.88	3258	1.52	53383	2 0 C				
0.40	2250.46	3476	1.42	53383	2 2 C				
0.36	2484.44	3830	1.29	53383	2 5 C				
0.33	2720.42	4185	1.18	53383	2 8 C				
0.27	3333.96	5102	0.97	53383	3 2 C				
0.24	3774.96	5746	0.86	53383	3 6 C				

0.25 kW
4 POLE

163	8.59	12	6.64	2856	C 0 3 2 1 8 . 0 _ M _ _ _ _ . 2 5 A - -	15.5	71		
121	11.61	16	5.37	2855	1 1 .				
106	13.20	18	4.90	2854	1 2 .				
94	14.95	20	4.48	2854	1 4 .				
86	16.36	20	4.29	2853	1 6 .				
73	19.12	26	3.76	2852	1 8 .				
68	20.61	28	3.56	2852	2 0 .				
63	22.11	26	3.51	2852	2 2 .				
56	25.14	30	3.21	2849	2 5 .				
49	28.48	34	2.95	2849	2 8 .				
42	33.71	45	2.49	2837	3 2 .				
38	36.43	42	2.49	2837	3 6 .				
36	39.26	46	2.37	2837	4 0 .				
31	45.50	60	2.00	2831	4 5 .				
26	53.31	70	1.79	2821	5 0 .				
25	56.19	64	1.85	2831	5 6 .				
22	64.21	73	1.69	2818	6 3 .				
19	74.55	97	1.47	2808	7 1 .				
17	82.83	107	1.36	2804	8 0 .				
16	86.67	97	1.43	2808	9 0 .				
14	101.54	112	1.27	2800	1 0 0				
12	114.33	146	0.88	2780	1 1 2				
10	142.00	153	0.97	2780	1 4 0				
8.9	157.78	169	0.88	2770	1 6 0				
13	105.36	133	1.12	2788	C 0 3 3 1 1 0 0 _ M _ _ _ _ . 2 5 A - -			19.5	71
12	120.39	151	0.98	2780	1 1 8				
11	130.10	138	1.07	2790	1 3 2				
10	140.21	148	1.00	2780	1 5 0				

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.25 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit	
38	36.43	44	3.98	5286	C 0 4 2 1 3 6 . _ M _ _ _ . 2 5 A - -	18.5	71
36	39.26	47	3.78	5286	4 0 .		
31	45.50	61	3.35	5285	4 5 .		
26	53.31	71	2.92	5281	5 0 .		
25	56.19	66	2.96	5283	5 6 .		
22	64.21	74	2.70	5281	6 3 .		
19	74.55	98	2.09	5277	7 1 .		
17	82.83	109	1.76	5277	8 0 .		
16	86.67	99	2.29	5284	9 0 .		
14	101.54	114	2.04	5279	1 0 0		
12	114.33	147	0.88	5269	1 1 2		
10	142.00	156	1.61	5269	1 4 0		
8.9	157.78	172	1.49	5264	1 6 0		
6.4	217.78	233	0.88	5250	2 1 2		
13	105.36	135	1.50	5271	C 0 4 3 1 1 0 0 _ M _ _ _ . 2 5 A - -	21.5	71
12	120.39	154	1.31	5268	1 1 8		
11	130.10	142	1.68	5271	1 3 2		
10	140.21	152	1.61	5269	1 5 0		
8.6	162.50	206	0.97	5258	1 6 0		
7.4	190.38	239	0.83	5248	1 8 0		
7.0	200.68	213	1.29	5258	2 0 0		
6.1	229.32	243	1.14	5250	2 2 5		
19	73.37	99	3.83	7437	C 0 5 2 1 7 1 . _ M _ _ _ . 2 5 A - -	21.5	71
17	82.67	111	3.45	7436	8 0 .		
13	109.07	145	2.70	7435	1 1 2		
11	124.00	164	2.34	7436	1 2 5		
10	142.00	162	2.97	7436	1 4 0		
8.8	160.00	181	2.65	7431	1 6 0		
6.6	211.11	235	2.04	7425	2 1 2		
5.8	240.00	265	1.82	7434	2 5 0		
13	103.90	137	2.91	7433	C 0 5 3 1 1 0 0 _ M _ _ _ . 2 5 A - -	25.5	71
12	118.73	156	2.55	7430	1 1 8		
11	130.38	148	3.25	7432	1 3 2		
10	140.51	159	3.03	7430	1 5 0		
8.7	160.26	209	1.89	7427	1 6 0		
7.5	187.76	243	1.61	7427	1 8 0		
7.0	201.10	222	2.16	7430	2 0 0		
6.1	229.81	253	1.90	7427	2 2 5		
5.3	262.58	335	1.16	7424	2 6 5		
4.8	291.75	372	1.04	7419	2 8 0		
4.5	310.18	335	1.44	7424	3 1 5		
3.9	363.40	390	1.24	7414	3 6 0		
2.8	508.21	535	0.90	7400	5 0 0		
11	124.00	173	3.05	11838	C 0 6 2 1 1 2 5 _ M _ _ _ . 2 5 A - -	34.5	71
6.5	214.00	252	3.03	11817	2 1 2		
5.8	240.00	280	2.73	11796	2 5 0		
8.2	169.81	234	3.27	11817	C 0 6 3 1 1 6 0 _ M _ _ _ . 2 5 A - -	39.5	71
7.6	184.62	253	3.02	11796	1 8 0		
5.3	265.95	360	2.12	11748	2 6 5		
4.7	299.67	404	1.89	11644	2 8 0		
4.3	328.67	374	2.05	11744	3 1 5		
3.9	357.32	404	1.89	11744	3 6 0		
3.5	395.39	530	1.44	11592	4 0 0		
3.1	449.50	599	1.28	11500	4 5 0		
2.7	514.75	569	1.34	11600	5 0 0		
2.4	580.00	637	1.20	11600	5 6 0		
5.6	249.94	354	3.78	29152	C 0 7 3 1 2 6 5 _ M _ _ _ . 2 5 A - -	86.5	71
5.1	273.68	386	3.46	29143	2 8 0		
4.4	319.95	422	3.01	28013	3 1 5		
4.1	341.61	449	2.82	26909	3 6 0		
3.7	373.83	522	2.56	26449	4 0 0		
3.3	419.25	584	2.29	29117	4 5 0		
2.8	499.88	651	1.95	29096	5 0 0		
2.6	547.35	710	1.79	29096	5 6 0		
1.9	747.66	953	1.32	29048	8 0 0		
1.7	838.50	1066	1.18	29018	9 0 0		
1.4	1009.20	1375	0.97	28931	C 0 7 4 1 1 0 0 C _ M _ _ _ . 2 5 A - -	90.5	71
1.3	1097.19	1494	0.90	28931	1 1 C		
1.2	1213.28	1632	0.82	28931	1 2 C		
2.6	547.09	760	3.57	41656	C 0 8 4 1 5 6 0 _ M _ _ _ . 2 5 A - -	143.5	71
2.2	636.31	883	3.07	41656	6 3 0		
2.0	711.92	986	2.75	41656	7 1 0		
1.8	758.79	1052	2.58	41656	8 0 0		
1.6	899.27	1245	2.18	41656	9 0 0		
1.5	960.14	1328	2.04	41656	1 0 C		
1.3	1083.79	1493	1.90	41656	1 1 C		
1.2	1191.45	1643	1.65	41656	1 2 C		
0.99	1404.96	1932	1.41	41656	1 4 C		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.25 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
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	
0.91	1532.14	2085	1.57	41545	C 0 8 4 1 1 6 C _ M _ _ _ _ . 2 5 A - -	143.5	71
0.74	1901.25	2582	1.27	41545	1 8 C		
0.67	2088.45	2826	1.19	41545	2 0 C		
0.62	2241.96	3039	1.08	41545	2 2 C		
0.57	2462.71	3326	1.01	41545	2 5 C		
0.52	2696.62	3637	0.92	41545	2 8 C		
1.5	917.87	1298	3.68	53383	C 0 9 4 1 9 0 0 _ M _ _ _ _ . 2 5 A - -	211.5	71
1.4	980.00	1385	3.45	53383	1 0 C		
1.3	1088.78	1533	3.14	53383	1 1 C		
1.2	1216.09	1713	2.79	53383	1 2 C		
0.98	1434.02	2015	2.37	53383	1 4 C		
0.91	1537.95	2137	2.30	53383	1 6 C		
0.73	1908.45	2646	1.86	53383	1 8 C		
0.66	2106.88	2914	1.70	53383	2 0 C		
0.62	2250.46	3113	1.58	53383	2 2 C		
0.56	2484.44	3429	1.44	53383	2 5 C		
0.51	2720.42	3749	1.32	53383	2 8 C		
0.42	3333.96	4578	1.08	53383	3 2 C		
0.37	3774.96	5168	0.95	53383	3 6 C		

0.25 kW

6 POLE

105	8.59	18	4.72	2854	C 0 3 2 1 8 . 0 _ M _ _ _ _ . 2 5 C - -	15.5	71		
78	11.61	24	3.86	2852	1 1 .				
68	13.20	28	3.49	2851	1 2 .				
60	14.95	31	3.20	2850	1 4 .				
55	16.36	30	3.11	2850	1 6 .				
47	19.12	40	2.67	2839	1 8 .				
44	20.61	43	2.54	2838	2 0 .				
41	22.11	40	2.54	2839	2 2 .				
36	25.14	46	2.32	2837	2 5 .				
32	28.48	52	2.13	2835	2 8 .				
27	33.71	70	1.79	2829	3 2 .				
25	36.43	65	1.79	2831	3 6 .				
23	39.26	70	1.70	2829	4 0 .				
20	45.50	93	1.48	2812	4 5 .				
17	53.31	108	1.34	2799	5 0 .				
16	56.19	98	1.33	2812	5 6 .				
14	64.21	111	1.21	2799	6 3 .				
12	74.55	149	1.00	2778	7 1 .				
11	82.83	164	0.9	2773	8 0 .				
10	86.67	147	1.01	2788	9 0 .				
8.9	101.54	170	0.87	2770	1 0 0				
36	25.14	47	3.70	5285	C 0 4 2 1 2 5 . _ M _ _ _ _ . 2 5 C - -			18.5	71
32	28.48	53	3.40	5284	2 8 .				
27	33.71	70	2.95	5281	3 2 .				
25	36.43	67	2.86	5283	3 6 .				
23	39.26	71	2.73	5282	4 0 .				
20	45.50	94	2.19	5279	4 5 .				
17	53.31	109	1.88	5277	5 0 .				
16	56.19	100	2.13	5279	5 6 .				
14	64.21	113	1.94	5275	6 3 .				
12	74.55	150	1.35	5271	7 1 .				
11	82.83	166	1.13	5265	8 0 .				
10	86.67	150	1.64	5269	9 0 .				
8.9	101.54	174	1.46	5264	1 0 0				
6.3	142.00	238	1.17	5253	1 4 0				
5.7	157.78	262	1.06	5243	1 6 0				
8.5	105.36	208	0.96	5259	C 0 4 3 1 1 0 0 _ M _ _ _ _ . 2 5 C - -	21.5	71		
7.5	120.39	237	0.84	5253	1 1 8				
6.9	130.10	216	1.26	5256	1 3 2				
6.4	140.21	233	1.19	5253	1 5 0				
4.5	200.68	326	0.85	5228	2 0 0				
12	73.37	152	2.62	7432	C 0 5 2 1 7 1 . _ M _ _ _ _ . 2 5 C - -			21.5	71
11	82.67	170	2.33	7430	8 0 .				
10	90.67	162	2.97	7430	9 0 .				
9.1	98.57	175	2.74	7429	1 0 0				
8.3	109.07	223	1.73	7427	1 1 2				
7.3	124.00	252	1.51	7427	1 2 5				
6.3	142.00	246	1.95	7427	1 4 0				
5.6	160.00	275	1.75	7421	1 6 0				
4.3	211.11	359	1.34	5904	2 1 2				
3.8	240.00	404	1.19	7414	2 5 0				
8.7	103.90	211	1.87	6567	C 0 5 3 1 1 0 0 _ M _ _ _ _ . 2 5 C - -	25.5	71		
7.6	118.73	240	1.63	6453	1 1 8				
6.9	130.38	225	2.13	6453	1 3 2				
6.4	140.51	242	1.99	6453	1 5 0				

NOTE

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SERIES C

SELECTION TABLES

GEARED MOTORS

0.25 kW
6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit	
5.6	160.26	320	1.22	5904	C 0 5 3 1 1 6 0 _ M _ _ _ _ . 2 5 C - -	25.5	71
4.8	187.76	374	1.03	7412	1 8 0		
4.5	201.10	340	1.42	7418	2 0 0		
3.9	229.81	385	1.25	7412	2 2 5		
2.9	310.18	512	0.94	7403	3 1 5		
2.5	363.40	595	0.81	6691	3 6 0		
11	80.94	176	3.9	11834	C 0 6 2 1 8 0 . _ M _ _ _ _ . 2 5 C - -	34.5	71
8.1	110.57	239	2.99	11807	1 1 2		
7.3	124.00	266	1.96	11796	1 2 5		
6.3	143.08	263	2.91	11817	1 4 0		
5.7	156.67	286	2.67	11796	1 6 0		
4.2	214.00	383	2.00	11755	2 1 2		
3.8	240.00	426	1.8	11734	2 5 0		
5.3	169.81	360	2.13	11755	C 0 6 3 1 1 6 0 _ M _ _ _ _ . 2 5 C - -	39.5	71
4.9	184.62	390	1.96	11734	1 8 0		
3.4	265.95	555	1.38	11588	2 6 5		
3.0	299.67	622	1.23	11540	2 8 0		
2.7	328.67	568	1.35	11592	3 1 5		
2.5	357.32	615	1.25	11592	3 6 0		
2.3	395.39	817	0.94	11388	4 0 0		
2.0	449.50	924	0.83	11300	4 5 0		
1.7	514.75	869	0.88	11400	5 0 0		
5.6	159.98	353	3.79	29152	C 0 7 3 1 1 6 0 _ M _ _ _ _ . 2 5 C - -	86.5	71
5.3	170.81	377	3.55	29152	1 8 0		
4.6	194.65	404	3.14	29143	2 0 0		
4.0	226.39	465	2.73	29158	2 2 5		
3.6	249.94	545	2.46	29138	2 6 5		
3.3	273.68	595	2.25	29117	2 8 0		
2.8	319.95	651	1.95	29117	3 1 5		
2.6	341.61	693	1.83	29096	3 6 0		
2.4	373.83	806	1.66	29079	4 0 0		
2.1	419.25	900	1.49	29079	4 5 0		
1.8	499.88	997	1.26	29048	5 0 0		
1.6	547.35	1087	1.16	29018	5 6 0		
1.2	747.66	1473	0.86	28940	8 0 0		
1.6	547.09	1183	2.29	41656	C 0 8 4 1 5 6 0 _ M _ _ _ _ . 2 5 C - -	143.5	71
1.4	636.31	1374	1.98	41656	6 3 0		
1.3	711.92	1534	1.77	41656	7 1 0		
1.2	758.79	1635	1.66	41656	8 0 0		
1.0	899.27	1933	1.40	41656	9 0 0		
0.94	960.14	2061	1.32	41656	1 0 C		
0.83	1083.79	2318	1.23	41656	1 1 C		
0.76	1191.45	2546	1.07	41656	1 2 C		
0.64	1404.96	2989	0.91	41656	1 4 C		
0.59	1532.14	3243	1.01	41545	1 6 C		
0.47	1901.25	4010	0.82	41545	1 8 C		
1.6	558.41	1233	3.88	53383	C 0 9 4 1 5 6 0 _ M _ _ _ _ . 2 5 C - -	211.5	71
1.4	649.47	1432	3.34	53383	6 3 0		
1.2	726.65	1598	2.99	53383	7 1 0		
1.2	774.48	1704	2.80	53383	8 0 0		
0.98	917.87	2015	2.37	53383	9 0 0		
0.92	980.00	2149	2.22	53383	1 0 C		
0.83	1088.78	2379	2.02	53383	1 1 C		
0.74	1216.09	2656	1.80	53383	1 2 C		
0.63	1434.02	3120	1.53	53383	1 4 C		
0.59	1537.95	3321	1.48	53383	1 6 C		
0.47	1908.45	4108	1.20	53383	1 8 C		
0.43	2106.88	4525	1.09	53383	2 0 C		
0.40	2250.46	4828	1.02	53383	2 2 C		
0.36	2484.44	5319	0.93	53383	2 5 C		
0.33	2720.42	5813	0.85	53383	2 8 C		
163	8.59	18	4.49	2852	C 0 3 2 1 8 . 0 _ M _ _ _ _ . 3 7 A - -	15.5	71
121	11.61	24	3.63	2850	1 1 .		
106	13.20	27	3.31	2849	1 2 .		
94	14.95	30	3.03	2849	1 4 .		
86	16.36	30	2.90	2847	1 6 .		
73	19.12	39	2.54	2844	1 8 .		
68	20.61	41	2.41	2844	2 0 .		
63	22.11	39	2.37	2844	2 2 .		
56	25.14	45	2.17	2840	2 5 .		
49	28.48	50	2.00	2840	2 8 .		
42	33.71	67	1.68	2826	3 2 .		
38	36.43	63	1.68	2826	3 6 .		

0.37 kW
4 POLE

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

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 Sizes
36	39.26	68	1.60	2826	C 0 3 2 1 4 0 . _ M _ - - - - . 3 7 A - -	15.5	71
31	45.50	90	1.35	2815	4 5 .		
26	53.31	104	1.21	2805	5 0 .		
25	56.19	96	1.25	2815	5 6 .		
22	64.21	108	1.14	2799	6 3 .		
19	74.55	143	0.99	2780	7 1 .		
17	82.83	159	0.92	2780	8 0 .		
16	86.67	143	0.97	2780	9 0 .		
63	22.11	41	3.78	5286	C 0 4 2 1 2 2 . _ M _ - - - - . 3 7 A - -	18.5	71
56	25.14	46	3.47	5284	2 5 .		
49	28.48	52	3.21	5284	2 8 .		
42	33.71	68	2.82	5280	3 2 .		
38	36.43	65	2.69	5282	3 6 .		
36	39.26	70	2.55	5282	4 0 .		
31	45.50	91	2.26	5282	4 5 .		
26	53.31	105	1.97	5274	5 0 .		
25	56.19	98	2.00	5278	5 6 .		
22	64.21	110	1.82	5274	6 3 .		
19	74.55	145	1.41	5266	7 1 .		
17	82.83	161	1.19	5266	8 0 .		
16	86.67	146	1.54	5280	9 0 .		
14	101.54	169	1.38	5270	1 0 0		
10	142.00	232	1.09	5250	1 4 0		
8.9	157.78	255	1.00	5240	1 6 0		
13	105.36	200	1.02	5255	C 0 4 3 1 1 0 0 _ M _ - - - - . 3 7 A - -	21.5	71
12	120.39	228	0.89	5249	1 1 8		
11	130.10	210	1.14	5255	1 3 2		
10	140.21	225	1.09	5250	1 5 0		
7.0	200.68	316	0.87	5230	2 0 0		
19	73.37	147	2.59	7434	C 0 5 2 1 7 1 . _ M _ - - - - . 3 7 A - -	21.5	71
17	82.67	165	2.33	7432	8 0 .		
15	90.67	159	3.00	7432	9 0 .		
14	98.57	171	2.82	7429	1 0 0		
13	109.07	215	1.82	7432	1 1 2		
11	124.00	243	1.58	7434	1 2 5		
10	142.00	240	2.00	7434	1 4 0		
8.8	160.00	268	1.79	7424	1 6 0		
6.6	211.11	349	1.38	7412	2 1 2		
5.8	240.00	392	1.23	7430	2 5 0		
13	103.90	204	1.96	7427	C 0 5 3 1 1 0 0 _ M _ - - - - . 3 7 A - -	25.5	71
12	118.73	232	1.72	7422	1 1 8		
11	130.38	219	2.19	7424	1 3 2		
10	140.51	235	2.05	7422	1 5 0		
8.7	160.26	309	1.28	7416	1 6 0		
7.5	187.76	360	1.09	7416	1 8 0		
7.0	201.10	329	1.46	7422	2 0 0		
6.1	229.81	374	1.29	7416	2 2 5		
4.5	310.18	496	0.97	7410	3 1 5		
3.9	363.40	577	0.84	7390	3 6 0		
17	80.94	171	3.55	11909	C 0 6 2 1 8 0 . _ M _ - - - - . 3 7 A - -	34.5	71
13	110.57	230	2.74	11797	1 1 2		
11	124.00	257	2.06	11780	1 2 5		
10	143.08	257	2.97	11780	1 4 0		
8.9	156.67	279	2.74	11780	1 6 0		
6.5	214.00	373	2.05	11741	2 1 2		
5.8	240.00	415	1.84	11701	2 5 0		
8.2	169.81	346	2.21	11741	C 0 6 3 1 1 6 0 _ M _ - - - - . 3 7 A -	39.5	71
7.6	184.62	375	2.04	11701	1 8 0		
5.3	265.95	533	1.44	11609	2 6 5		
4.7	299.67	599	1.28	11500	2 8 0		
4.3	328.67	553	1.38	11600	3 1 5		
3.9	357.32	599	1.28	11600	3 6 0		
3.5	395.39	784	0.98	11400	4 0 0		
8.8	159.98	340	3.94	29139	C 0 7 3 1 1 6 0 _ M _ - - - - . 3 7 A - -	86.5	71
8.2	170.81	361	3.71	29145	1 8 0		
7.2	194.65	389	3.05	29145	2 0 0		
6.2	226.39	449	2.71	29127	2 2 5		
5.6	249.94	523	2.56	29109	2 6 5		
5.1	273.68	572	2.34	29091	2 8 0		
4.4	319.95	624	2.03	26917	3 1 5		
4.1	341.61	665	1.91	24796	3 6 0		
3.7	373.83	773	1.73	23910	4 0 0		
3.3	419.25	864	1.55	29041	4 5 0		
2.8	499.88	963	1.32	29001	5 0 0		
2.6	547.35	1051	1.21	29001	5 6 0		
1.9	747.66	1411	0.89	28909	8 0 0		
2.6	547.09	1125	2.41	41656	C 0 8 4 1 5 6 0 _ M _ - - - - . 3 7 A - -	143.5	71
2.2	636.31	1307	2.08	41656	6 3 0		
2.0	711.92	1460	1.86	41656	7 1 0		
1.8	758.79	1557	1.74	41656	8 0 0		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.37 kW 4 POLE	N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
	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	
	1.6	899.27	1842	1.47	41656	C 0 8 4 1 9 0 0 _ M _ _ _ _ . 3 7 A - -	143.5	71
	1.5	960.14	1966	1.38	41656	1 0 C		
	1.3	1083.79	2210	1.29	41656	1 1 C		
	1.2	1191.45	2432	1.12	41656	1 2 C		
	0.99	1404.96	2860	0.95	41656	1 4 C		
	0.91	1532.14	3086	1.06	41545	1 6 C		
	0.74	1901.25	3822	0.86	41545	1 8 C		
	0.67	2088.45	4183	0.80	41545	2 0 C		
	2.2	649.47	1363	3.51	53383	C 0 9 4 1 6 3 0 _ M _ _ _ _ . 3 7 A - -	211.5	71
	1.9	726.65	1522	3.14	53383	7 1 0		
	1.8	774.48	1624	2.94	53383	8 0 0		
	1.5	917.87	1921	2.49	53383	9 0 0		
	1.4	980.00	2050	2.33	53383	1 0 C		
	1.3	1088.78	2268	2.12	53383	1 1 C		
	1.2	1216.09	2536	1.88	53383	1 2 C		
	0.98	1434.02	2983	1.60	53383	1 4 C		
	0.91	1537.95	3163	1.56	53383	1 6 C		
	0.73	1908.45	3916	1.26	53383	1 8 C		
	0.66	2106.88	4313	1.15	53383	2 0 C		
	0.62	2250.46	4608	1.07	53383	2 2 C		
	0.56	2484.44	5075	0.98	53383	2 5 C		
	0.51	2720.42	5549	0.89	53383	2 8 C		
	107	8.59	27	3.26	2849	C 0 3 2 1 8 . 0 _ M _ _ _ _ . 3 7 C - -	19.5	80A
	79	11.61	36	2.67	2845	1 1 .		
	70	13.20	41	2.41	2843	1 2 .		
	62	14.95	46	2.21	2841	1 4 .		
	56	16.36	44	2.15	2842	1 6 .		
	48	19.12	58	1.84	2829	1 8 .		
	45	20.61	62	1.75	2827	2 0 .		
	42	22.11	59	1.75	2829	2 2 .		
	37	25.14	66	1.60	2826	2 5 .		
	32	28.48	75	1.47	2822	2 8 .		
	27	33.71	101	1.23	2810	3 2 .		
	25	36.43	94	1.24	2814	3 6 .		
	23	39.26	102	1.18	2810	4 0 .		
	20	45.50	134	1.02	2787	4 5 .		
	17	53.31	156	0.92	2771	5 0 .		
	16	56.19	142	0.92	2787	5 6 .		
	14	64.21	161	0.84	2771	6 3 .		
	62	14.95	47	3.68	5283	C 0 4 2 1 1 4 . _ M _ _ _ _ . 3 7 C - -	22.5	80A
	56	16.36	45	3.44	5283	1 6 .		
	48	19.12	59	3.06	5282	1 8 .		
	45	20.61	63	2.93	5280	2 0 .		
	42	22.11	60	2.80	5280	2 2 .		
	37	25.14	68	2.55	5280	2 5 .		
	32	28.48	77	2.35	5279	2 8 .		
	27	33.71	102	2.04	5273	3 2 .		
	25	36.43	97	1.98	5277	3 6 .		
	23	39.26	104	1.88	5274	4 0 .		
	20	45.50	136	1.52	5270	4 5 .		
	17	53.31	159	1.30	5266	5 0 .		
	16	56.19	145	1.47	5270	5 6 .		
	14	64.21	164	1.34	5262	6 3 .		
	12	74.55	218	0.93	5255	7 1 .		
	11	86.67	217	1.13	5250	9 0 .		
	9.1	101.54	252	1.01	5240	1 0 0		
	6.5	142.00	345	0.81	5220	1 4 0		
	7.1	130.10	313	0.87	5226	C 0 4 3 1 1 3 2 _ M _ _ _ _ . 3 7 C - -	25.5	80A
	6.6	140.21	337	0.82	5220	1 5 0		
	28	32.55	101	3.81	7440	C 0 5 2 1 3 2 . _ M _ _ _ _ . 3 7 C - -	25.5	80A
	23	40.74	111	3.76	7440	4 0 .		
	20	46.84	143	2.82	7440	4 5 .		
	18	50.93	156	2.59	7440	5 0 .		
	17	55.45	149	3.00	7440	5 6 .		
	15	63.00	167	2.75	7440	6 3 .		
	13	73.37	220	1.81	7424	7 1 .		
	11	82.67	247	1.61	7422	8 0 .		
	10	90.67	235	2.05	7422	9 0 .		
	9.3	98.57	254	1.90	7419	1 0 0		
	8.4	109.07	324	1.20	7416	1 1 2		
	7.4	124.00	365	1.04	7416	1 2 5		
	6.5	142.00	357	1.35	7416	1 4 0		
	5.8	160.00	399	1.21	7404	1 6 0		
	4.4	211.11	519	0.93	4487	2 1 2		
	3.8	240.00	585	0.82	7390	2 5 0		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.37 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
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			
8.9	103.90	306	1.29	5761	C 0 5 3 1 1 0 0 _ M _ _ _ _ . 3 7 C - -	29.5	80A		
7.7	118.73	348	1.13	5542	1 1 8				
7.1	130.38	327	1.47	5542	1 3 2				
6.5	140.51	350	1.38	5542	1 5 0				
5.7	160.26	464	0.84	4487	1 6 0				
4.6	201.10	492	0.98	7399	2 0 0				
4.0	229.81	558	0.86	7387	2 2 5				
12	73.92	236	3.24	11791	C 0 6 2 1 7 1 . _ M _ _ _ _ . 3 7 C - -	37.5	80A		
11	80.94	256	2.69	11773	8 0 .				
10	91.58	252	3.03	11873	9 0 .				
9.4	97.78	268	2.85	11773	1 0 0				
8.3	110.57	346	2.06	11721	1 1 2				
7.4	124.00	386	1.35	11701	1 2 5				
6.4	143.08	381	2.01	11741	1 4 0				
5.9	156.67	415	1.84	11701	1 6 0				
4.3	214.00	554	1.38	11622	2 1 2				
3.8	240.00	617	1.24	11582	2 5 0				
8.9	103.86	324	2.36	11800	C 0 6 3 1 1 0 0 _ M _ _ _ _ . 3 7 C - -			43.5	80A
7.8	117.99	366	2.09	11700	1 1 8				
7.1	130.00	345	2.22	11800	1 3 2				
6.2	147.69	389	1.97	11700	1 5 0				
5.4	169.81	521	1.47	11622	1 6 0				
5.0	184.62	565	1.35	11582	1 8 0				
4.6	201.02	519	1.47	11600	2 0 0				
4.0	228.38	585	1.31	11600	2 2 5				
3.5	265.95	803	0.95	11393	2 6 5				
3.1	299.67	901	0.85	11300	2 8 0				
2.8	328.67	823	0.93	11400	3 1 5				
2.6	357.32	890	0.86	11400	3 6 0				
9.2	99.79	312	3.65	29200	C 0 7 2 1 1 0 0 _ M _ _ _ _ . 3 7 C - -	80.5	80A		
8.8	104.32	339	3.24	29200	1 1 2				
7.9	115.92	375	2.93	29200	1 2 5				
6.7	138.00	425	2.82	29200	1 4 0				
6.1	151.12	461	2.64	29200	1 6 0				
4.4	208.65	627	2.03	29200	2 1 2				
4.0	231.83	693	1.83	29200	2 5 0				
8.1	113.20	366	3.65	29139	C 0 7 3 1 1 1 8 _ M _ _ _ _ . 3 7 C - -			89.5	80A
7.4	125.04	379	3.11	29200	1 3 2				
6.5	141.75	432	2.80	29200	1 5 0				
5.8	159.98	512	2.62	29109	1 6 0				
5.4	170.81	546	2.45	29109	1 8 0				
4.7	194.65	585	2.17	29091	2 0 0				
4.1	226.39	673	1.89	29120	2 2 5				
3.7	249.94	789	1.70	29080	2 6 5				
3.4	273.68	862	1.55	29041	2 8 0				
2.9	319.95	942	1.35	29041	3 1 5				
2.7	341.61	1004	1.26	29001	3 6 0				
2.5	373.83	1167	1.15	28967	4 0 0				
2.2	419.25	1303	1.03	28967	4 5 0				
1.8	499.88	1443	0.87	28909	5 0 0				
1.7	547.35	1574	0.80	28851	5 6 0				
3.9	235.77	712	3.68	41900	C 0 8 2 1 2 5 0 _ M _ _ _ _ . 3 7 C - -	130.5	80A		
1.7	547.09	1713	1.58	41656	C 0 8 4 1 5 6 0 _ M _ _ _ _ . 3 7 C - -	146.5	80A		
1.4	636.31	1990	1.36	41656	6 3 0				
1.3	711.92	2221	1.22	41656	7 1 0				
1.2	758.79	2368	1.15	41656	8 0 0				
1.0	899.27	2798	0.97	41656	9 0 0				
0.96	960.14	2984	0.91	41656	1 0 C				
0.85	1083.79	3357	0.85	41656	1 1 C				
1.6	558.41	1785	2.68	53383	C 0 9 4 1 5 6 0 _ M _ _ _ _ . 3 7 C - -			214.5	80A
1.4	649.47	2073	2.31	53383	6 3 0				
1.3	726.65	2314	2.07	53383	7 1 0				
1.2	774.48	2468	1.94	53383	8 0 0				
1.0	917.87	2917	1.64	53383	9 0 0				
0.94	980.00	3112	1.54	53383	1 0 C				
0.84	1088.78	3445	1.40	53383	1 1 C				
0.76	1216.09	3846	1.24	53383	1 2 C				
0.64	1434.02	4518	1.06	53383	1 4 C				
0.60	1537.95	4809	1.02	53383	1 6 C				
0.48	1908.45	5947	0.83	53383	1 8 C				

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.55 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit	
165	8.59	26	3.06	2847	C 0 3 2 1 8 . 0 _ M _ _ _ . 5 5 A - -	19.5	80A
122	11.61	35	2.47	2844	1 1 .		
108	13.20	39	2.26	2841	1 2 .		
95	14.95	45	2.07	2841	1 4 .		
87	16.36	44	1.98	2838	1 6 .		
74	19.12	57	1.73	2833	1 8 .		
69	20.61	61	1.64	2833	2 0 .		
64	22.11	58	1.62	2833	2 2 .		
56	25.14	66	1.48	2825	2 5 .		
50	28.48	74	1.36	2825	2 8 .		
42	33.71	98	1.15	2809	3 2 .		
39	36.43	93	1.15	2809	3 6 .		
36	39.26	100	1.09	2809	4 0 .		
31	45.50	132	0.92	2790	4 5 .		
27	53.31	153	0.83	2780	5 0 .		
25	56.19	140	0.85	2790	5 6 .		
108	13.20	40	3.76	5285	C 0 4 2 1 1 2 . _ M _ _ _ . 5 5 A - -	22.5	80A
95	14.95	46	3.45	5283	1 4 .		
87	16.36	45	3.17	5283	1 6 .		
74	19.12	58	2.88	5283	1 8 .		
69	20.61	62	2.74	5283	2 0 .		
64	22.11	60	2.58	5283	2 2 .		
56	25.14	67	2.37	5280	2 5 .		
50	28.48	76	2.19	5280	2 8 .		
42	33.71	99	1.92	5274	3 2 .		
39	36.43	95	1.83	5276	3 6 .		
36	39.26	102	1.74	5276	4 0 .		
31	45.50	133	1.54	5276	4 5 .		
27	53.31	155	1.35	5262	5 0 .		
25	56.19	143	1.36	5269	5 6 .		
22	64.21	162	1.24	5262	6 3 .		
19	74.55	213	0.97	5250	7 1 .		
17	82.83	236	0.81	5250	8 0 .		
44	32.55	99	3.44	7440	C 0 5 2 1 3 2 . _ M _ _ _ . 5 5 A - -	25.5	80A
40	35.86	98	3.85	7440	3 6 .		
35	40.74	110	3.51	7440	4 0 .		
30	46.84	141	2.71	7440	4 5 .		
28	50.93	152	2.56	7440	5 0 .		
26	55.45	147	2.81	7440	5 6 .		
23	63.00	165	2.58	7440	6 3 .		
19	73.37	215	1.76	7431	7 1 .		
17	82.67	241	1.59	7426	8 0 .		
16	90.67	233	2.05	7426	9 0 .		
14	98.57	250	1.92	7422	1 0 0		
13	109.07	316	1.24	7426	1 1 2		
11	124.00	357	1.08	7430	1 2 5		
10	142.00	352	1.37	7430	1 4 0		
8.9	160.00	394	1.22	7412	1 6 0		
6.7	211.11	511	0.94	7392	2 1 2		
14	103.90	299	1.34	7418	C 0 5 3 1 1 0 0 _ M _ _ _ . 5 5 A - -	29.5	80A
12	118.73	340	1.17	7409	1 1 8		
11	130.38	321	1.50	7413	1 3 2		
10	140.51	345	1.40	7409	1 5 0		
8.9	160.26	453	0.87	7399	1 6 0		
7.1	201.10	483	1.00	7410	2 0 0		
6.2	229.81	549	0.88	7400	2 2 5		
22	64.80	180	3.99	11896	C 0 6 2 1 6 3 . _ M _ _ _ . 5 5 A - -	37.5	80A
19	73.92	230	3.31	11844	7 1 .		
18	80.94	251	2.42	11844	8 0 .		
16	91.58	250	3.06	11844	9 0 .		
15	97.78	265	2.88	11844	1 0 0		
13	110.57	338	1.87	11724	1 1 2		
11	124.00	376	1.41	11695	1 2 5		
10	143.08	377	2.03	11695	1 4 0		
9.1	156.67	409	1.87	11695	1 6 0		
6.6	214.00	548	1.40	11626	2 1 2		
5.9	240.00	609	1.26	11558	2 5 0		
14	103.86	316	2.42	11800	C 0 6 3 1 1 0 0 _ M _ _ _ . 5 5 A - -	43.5	80A
12	117.99	358	2.14	11700	1 1 8		
11	130.00	341	2.24	11800	1 3 2		
10	147.69	384	1.99	11700	1 5 0		
8.4	169.81	508	1.51	11626	1 6 0		
7.7	184.62	550	1.39	11558	1 8 0		
7.1	201.02	512	1.50	11600	2 0 0		
6.2	228.38	577	1.33	11600	2 2 5		
5.3	265.95	782	0.98	11400	2 6 5		
19	75.56	243	3.85	29200	C 0 7 2 1 8 0 . _ M _ _ _ . 5 5 A - -	80.5	80A
16	88.26	271	3.79	29200	9 0 .		
14	99.79	303	3.45	29200	1 0 0		
14	104.32	330	2.94	29200	1 1 2		
12	115.92	366	2.64	29200	1 2 5		
10	138.00	413	2.71	29200	1 4 0		
9.4	151.12	454	2.51	29200	1 6 0		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.55 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit			
6.8	208.65	612	1.96	29200	C 0 7 2 1 2 1 2 _ M _ - - - - . 5 5 A - -	80.5	80A		
6.1	231.83	678	1.80	29200	2 5 0				
13	113.20	356	3.76	29125	C 0 7 3 1 1 1 8 _ M _ - - - - . 5 5 A - -	89.5	80A		
11	125.04	372	2.96	29200	1 3 2				
10	141.75	416	2.69	29200	1 5 0				
8.9	159.98	498	2.69	29096	1 6 0				
8.3	170.81	529	2.53	29106	1 8 0				
7.3	194.65	571	2.08	29106	2 0 0				
6.3	226.39	658	1.85	29075	2 2 5				
5.7	249.94	767	1.74	29044	2 6 5				
5.2	273.68	838	1.60	29013	2 8 0				
4.4	319.95	915	1.39	25273	3 1 5				
4.2	341.61	975	1.30	21625	3 6 0				
3.8	373.83	1133	1.18	20101	4 0 0				
3.4	419.25	1266	1.06	28926	4 5 0				
2.8	499.88	1412	0.90	28858	5 0 0				
2.6	547.35	1540	0.82	28858	5 6 0				
6.0	235.77	699	3.61	41900	C 0 8 2 1 2 5 0 _ M _ - - - - . 5 5 A - -			130.5	80A
2.6	547.09	1649	1.65	41656	C 0 8 4 1 5 6 0 _ M _ - - - - . 5 5 A - -				
2.2	636.31	1916	1.42	41656	6 3 0				
2.0	711.92	2140	1.27	41656	7 1 0				
1.9	758.79	2282	1.19	41656	8 0 0				
1.6	899.27	2700	1.01	41656	9 0 0				
1.5	960.14	2881	0.94	41656	1 0 C				
1.3	1083.79	3239	0.88	41656	1 1 C				
2.5	558.41	1719	2.78	53383	C 0 9 4 1 5 6 0 _ M _ - - - - . 5 5 A - -	214.5	80A		
2.2	649.47	1998	2.39	53383	6 3 0				
2.0	726.65	2231	2.14	53383	7 1 0				
1.8	774.48	2380	2.01	53383	8 0 0				
1.5	917.87	2816	1.70	53383	9 0 0				
1.4	980.00	3004	1.59	53383	1 0 C				
1.3	1088.78	3325	1.45	53383	1 1 C				
1.2	1216.09	3717	1.29	53383	1 2 C				
0.99	1434.02	4371	1.09	53383	1 4 C				
0.92	1537.95	4636	1.06	53383	1 6 C				
0.74	1908.45	5740	0.86	53383	1 8 C				

0.55 kW

6 POLE

107	8.59	40	2.20	2841	C 0 3 2 1 8 . 0 _ M _ - - - - . 5 5 C - -	21	80B		
79	11.61	53	1.79	2835	1 1 .				
70	13.20	61	1.62	2831	1 2 .				
62	14.95	68	1.49	2828	1 4 .				
56	16.36	66	1.44	2829	1 6 .				
48	19.12	87	1.24	2814	1 8 .				
45	20.61	93	1.18	2810	2 0 .				
42	22.11	88	1.18	2814	2 2 .				
37	25.14	99	1.08	2809	2 5 .				
32	28.48	112	0.99	2802	2 8 .				
27	33.71	150	0.83	2781	3 2 .				
25	36.43	140	0.83	2788	3 6 .				
107	8.59	41	3.64	5285	C 0 4 2 1 8 . 0 _ M _ - - - - . 5 5 C - -			24	80B
79	11.61	55	2.96	5281	1 1 .				
70	13.20	61	2.70	5279	1 2 .				
62	14.95	69	2.47	5279	1 4 .				
56	16.36	68	2.32	5279	1 6 .				
48	19.12	89	2.06	5277	1 8 .				
45	20.61	94	1.97	5274	2 0 .				
42	22.11	90	1.88	5274	2 2 .				
37	25.14	101	1.72	5274	2 5 .				
32	28.48	114	1.58	5271	2 8 .				
27	33.71	152	1.37	5261	3 2 .				
25	36.43	144	1.33	5268	3 6 .				
23	39.26	154	1.27	5263	4 0 .				
20	45.50	203	1.02	5255	4 5 .				
17	53.31	236	0.87	5249	5 0 .				
16	56.19	215	0.99	5255	5 6 .				
14	64.21	244	0.90	5242	6 3 .				
50	18.53	87	3.69	7439	C 0 5 2 1 1 8 . _ M _ - - - - . 5 5 C - -	27	80B		
44	21.05	98	3.42	7438	2 0 .				
41	22.56	95	3.89	7439	2 2 .				
37	24.86	104	3.62	7438	2 5 .				
33	28.24	118	3.29	7437	2 8 .				
28	32.55	151	2.56	7435	3 2 .				
26	35.86	147	2.77	7435	3 6 .				

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.55 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit	
23	40.74	166	2.53	7434	C 0 5 2 1 4 0 . _ M _ _ _ . 5 5 C - -	27	80B
20	46.84	213	1.90	7432	4 5 .		
18	50.93	232	1.74	7430	5 0 .		
17	55.45	222	2.02	7432	5 6 .		
15	63.00	249	1.85	7430	6 3 .		
13	73.37	328	1.22	7413	7 1 .		
11	82.67	367	1.08	7409	8 0 .		
10	90.67	349	1.38	7409	9 0 .		
9.3	98.57	377	1.28	7404	1 0 0		
8.4	109.07	481	0.81	7399	1 1 2		
6.5	142.00	530	0.91	7400	1 4 0		
5.8	160.00	593	0.81	7378	1 6 0		
8.9	103.90	455	0.87	4552	C 0 5 3 1 1 0 0 _ M _ _ _ . 5 5 C - -	31	80B
7.1	130.38	486	0.99	4175	1 3 2		
6.5	140.51	520	0.93	4175	1 5 0		
19	47.32	228	3.35	11865	C 0 6 2 1 4 5 . _ M _ _ _ . 5 5 C - -	39	80B
18	50.52	242	3.15	11855	5 0 .		
17	55.71	236	3.19	11855	5 6 .		
14	64.80	271	2.82	11834	6 3 .		
12	73.92	351	2.18	11713	7 1 .		
11	80.94	380	1.81	11681	8 0 .		
10	91.58	375	2.04	11781	9 0 .		
9.4	97.78	399	1.92	11681	1 0 0		
8.3	110.57	515	1.39	11592	1 1 2		
7.4	124.00	573	0.91	11558	1 2 5		
6.4	143.08	567	1.35	11626	1 4 0		
5.9	156.67	617	1.24	11558	1 6 0		
4.3	214.00	824	0.93	11422	2 1 2		
3.8	240.00	917	0.83	11353	2 5 0		
8.9	103.86	482	1.59	11676	C 0 6 3 1 1 0 0 _ M _ _ _ . 5 5 C - -	45	80B
7.8	117.99	545	1.40	11576	1 1 8		
7.1	130.00	513	1.49	11676	1 3 2		
6.2	147.69	578	1.32	11576	1 5 0		
5.4	169.81	775	0.99	11422	1 6 0		
5.0	184.62	840	0.91	11353	1 8 0		
4.6	201.02	772	0.99	11457	2 0 0		
4.0	228.38	870	0.88	11410	2 2 5		
18	49.90	248	3.85	29180	C 0 7 2 1 5 0 . _ M _ _ _ . 5 5 C - -	82	80B
17	53.62	254	3.97	29179	5 6 .		
15	61.62	292	3.55	29179	6 3 .		
13	69.00	338	3.10	29172	7 1 .		
12	75.56	370	2.86	29165	8 0 .		
10	88.26	410	2.70	29168	9 0 .		
9.2	99.79	464	2.46	29168	1 0 0		
8.8	104.32	505	2.18	29168	1 1 2		
7.9	115.92	558	1.97	29152	1 2 5		
6.7	138.00	631	1.90	29150	1 4 0		
6.1	151.12	686	1.78	29150	1 6 0		
4.4	208.65	932	1.36	29105	2 1 2		
4.0	231.83	1030	1.23	29057	2 5 0		
9.5	97.33	471	2.84	29117	C 0 7 3 1 1 0 0 _ M _ _ _ . 5 5 C - -	91	80B
8.1	113.20	545	2.46	29096	1 1 8		
7.4	125.04	564	2.09	29150	1 3 2		
6.5	141.75	642	1.88	29136	1 5 0		
5.8	159.98	761	1.76	29044	1 6 0		
5.4	170.81	812	1.65	29044	1 8 0		
4.7	194.65	870	1.46	29013	2 0 0		
4.1	226.39	1001	1.27	29063	2 2 5		
3.7	249.94	1174	1.14	28995	2 6 5		
3.4	273.68	1281	1.05	28926	2 8 0		
2.9	319.95	1401	0.91	28926	3 1 5		
2.7	341.61	1493	0.85	28858	3 6 0		
6.6	139.29	644	3.85	41880	C 0 8 2 1 1 4 0 _ M _ _ _ . 5 5 C - -	132	80B
6.0	153.00	705	3.57	41880	1 6 0		
4.5	204.75	931	2.82	41868	2 1 2		
3.9	235.77	1058	2.47	41868	2 5 0		
1.7	547.09	2547	1.07	41656	C 0 8 4 1 5 6 0 _ M _ _ _ . 5 5 C - -	148	80B
1.4	636.31	2958	0.92	41656	6 3 0		
1.3	711.92	3301	0.82	41656	7 1 0		
1.6	558.41	2654	1.80	53383	C 0 9 4 1 5 6 0 _ M _ _ _ . 5 5 C - -	216	80B
1.4	649.47	3082	1.55	53383	6 3 0		
1.3	726.65	3441	1.39	53383	7 1 0		
1.2	774.48	3668	1.30	53383	8 0 0		
1.0	917.87	4337	1.10	53383	9 0 0		
0.94	980.00	4626	1.03	53383	1 0 C		
0.84	1088.78	5121	0.94	53383	1 1 C		
0.76	1216.09	5717	0.84	53383	1 2 C		
1.9	495.31	2376	3.57	87299	C 1 0 4 1 5 0 0 _ M _ _ _ . 5 5 C - -	334	80B
1.7	544.84	2611	3.24	87299	5 6 0		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

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 <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit	Motor Sizes
1.5	626.07	2997	2.83	87299	C 1 0 4 1 6 3 0 _ M _ _ _ . 5 5 C - -	334	80B
1.3	709.95	3391	2.50	87299	7 1 0		
1.2	783.06	3741	2.27	87299	8 0 0		
1.0	896.77	4277	1.98	87299	9 0 0		
0.91	1013.93	4827	1.76	87299	1 0 C		
0.82	1126.71	5342	1.55	87375	1 1 C		
0.78	1175.54	5582	1.52	87299	1 2 C		
0.66	1402.11	6635	1.28	87299	1 4 C		
0.57	1606.71	7534	1.14	87299	1 6 C		
0.49	1862.80	8716	0.98	87299	1 8 C		
0.43	2146.36	9991	0.86	87299	2 0 C		
0.41	2221.83	10366	0.83	87299	2 2 C		

0.75 kW

4 POLE

165	8.59	36	2.24	2841	C 0 3 2 1 8 . 0 _ M _ _ _ . 7 5 A - -	19.5	80A		
122	11.61	48	1.81	2837	1 1 .				
107	13.20	54	1.65	2832	1 2 .				
95	14.95	62	1.51	2832	1 4 .				
86	16.36	60	1.44	2827	1 6 .				
74	19.12	78	1.27	2821	1 8 .				
69	20.61	84	1.20	2821	2 0 .				
64	22.11	80	1.18	2821	2 2 .				
56	25.14	90	1.08	2810	2 5 .				
50	28.48	101	1.00	2810	2 8 .				
42	33.71	134	0.84	2790	3 2 .				
39	36.43	127	0.84	2790	3 6 .				
165	8.59	37	3.70	5287	C 0 4 2 1 8 . 0 _ M _ _ _ . 7 5 A - -			22.5	80A
122	11.61	49	3.01	5283	1 1 .				
107	13.20	56	2.75	5283	1 2 .				
95	14.95	62	2.52	5280	1 4 .				
86	16.36	62	2.32	5280	1 6 .				
74	19.12	79	2.11	5280	1 8 .				
69	20.61	85	2.00	5280	2 0 .				
64	22.11	82	1.89	5280	2 2 .				
56	25.14	93	1.73	5276	2 5 .				
50	28.48	104	1.60	5276	2 8 .				
42	33.71	136	1.41	5267	3 2 .				
39	36.43	131	1.34	5270	3 6 .				
36	39.26	140	1.27	5270	4 0 .				
31	45.50	182	1.13	5270	4 5 .				
27	53.31	212	0.98	5250	5 0 .				
25	56.19	196	1.00	5260	5 6 .				
22	64.21	222	0.91	5250	6 3 .				
76	18.53	79	3.57	7440	C 0 5 2 1 1 8 . _ M _ _ _ . 7 5 A - -	25.5	80A		
67	21.05	89	3.30	7439	2 0 .				
63	22.56	87	3.94	7439	2 2 .				
57	24.86	95	3.68	7439	2 5 .				
50	28.24	107	3.37	7438	2 8 .				
43	32.55	135	2.51	7437	3 2 .				
39	35.86	134	2.81	7437	3 6 .				
35	40.74	151	2.56	7437	4 0 .				
30	46.84	193	1.98	7437	4 5 .				
28	50.93	208	1.87	7435	5 0 .				
26	55.45	201	2.06	7435	5 6 .				
22	63.00	226	1.89	7433	6 3 .				
19	73.37	295	1.29	7427	7 1 .				
17	82.67	330	1.16	7420	8 0 .				
16	90.67	319	1.50	7420	9 0 .				
14	98.57	343	1.41	7414	1 0 0				
13	109.07	432	0.91	7420	1 1 2				
8.8	160.00	539	0.89	7400	1 6 0				
14	103.90	409	0.98	7407	C 0 5 3 1 1 0 0 _ M _ _ _ . 7 5 A - -	29.5	80A		
12	118.73	465	0.86	7395	1 1 8				
11	130.38	440	1.09	7401	1 3 2				
10	140.51	472	1.02	7395	1 5 0				
30	47.32	205	3.38	11868	C 0 6 2 1 4 5 . _ M _ _ _ . 7 5 A - -	37.5	80A		
28	50.52	218	3.24	11848	5 0 .				
25	55.71	215	3.24	11878	5 6 .				
22	64.80	247	2.91	11848	6 3 .				
19	73.92	314	2.42	11771	7 1 .				
17	80.94	344	1.77	11771	8 0 .				
15	91.58	342	2.24	11771	9 0 .				
14	97.78	363	2.11	11771	1 0 0				
13	110.57	462	1.37	11642	1 1 2				
11	124.00	515	1.03	11600	1 2 5				
10	143.08	516	1.48	11600	1 4 0				

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.75 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit			
9	156.67	560	1.37	11600	C 0 6 2 1 1 6 0 _ M _ _ _ . 7 5 A - -	37.5	80A		
6.6	214.00	749	1.02	11500	2 1 2				
5.9	240.00	833	0.92	11400	2 5 0				
14	103.86	432	1.77	11690	C 0 6 3 1 1 0 0 _ M _ _ _ . 7 5 A - -	43.5	80A		
12	117.99	490	1.56	11590	1 1 8				
11	130.00	467	1.64	11690	1 3 2				
10	147.69	525	1.46	11627	1 5 0				
8.3	169.81	695	1.10	11500	1 6 0				
7.7	184.62	753	1.02	11400	1 8 0				
7.0	201.02	700	1.09	11500	2 0 0				
6.2	228.38	790	0.97	11400	2 2 5				
28	49.90	222	3.96	29187	C 0 7 2 1 5 0 . _ M _ _ _ . 7 5 A - -			80.5	80A
23	61.62	262	3.70	29182	6 3 .				
21	69.00	304	3.04	29182	7 1 .				
19	75.56	333	2.81	29176	8 0 .				
16	88.26	371	2.77	29175	9 0 .				
14	99.79	415	2.52	29175	1 0 0				
14	104.32	452	2.15	29175	1 1 2				
12	115.92	502	1.93	29163	1 2 5				
10	138.00	566	1.98	29157	1 4 0				
9.4	151.12	621	1.83	29157	1 6 0				
6.8	208.65	838	1.43	29127	2 1 2				
6.1	231.83	928	1.31	29090	2 5 0				
15	97.33	422	3.17	29134	C 0 7 3 1 1 0 0 _ M _ _ _ . 7 5 A - -	89.5	80A		
13	113.20	488	2.75	29090	1 1 8				
11	125.04	509	2.16	29159	1 3 2				
10	141.75	570	1.96	29163	1 5 0				
8.8	159.98	682	1.96	29048	1 6 0				
8.3	170.81	725	1.85	29063	1 8 0				
7.3	194.65	781	1.52	29063	2 0 0				
6.3	226.39	901	1.35	29017	2 2 5				
5.7	249.94	1050	1.28	28971	2 6 5				
5.2	273.68	1148	1.17	28926	2 8 0				
4.4	319.95	1252	1.01	23447	3 1 5				
4.1	341.61	1335	0.95	18101	3 6 0				
3.8	373.83	1550	0.86	15869	4 0 0				
10	139.29	578	3.99	41882	C 0 8 2 1 1 4 0 _ M _ _ _ . 7 5 A - -			130.5	80A
9.2	153.00	633	3.71	41883	1 6 0				
6.9	204.75	836	2.95	41867	2 1 2				
6.0	235.77	957	2.64	41875	2 5 0				
2.6	547.09	2256	1.20	41656	C 0 8 4 1 5 6 0 _ M _ _ _ . 7 5 A - -	146.5	80A		
2.2	636.31	2622	1.04	41656	6 3 0				
2.0	711.92	2929	0.93	41656	7 1 0				
1.9	758.79	3123	0.87	41656	8 0 0				
2.5	558.41	2353	2.03	53383	C 0 9 4 1 5 6 0 _ M _ _ _ . 7 5 A - -	214.5	80A		
2.2	649.47	2734	1.75	53383	6 3 0				
1.9	726.65	3054	1.57	53383	7 1 0				
1.8	774.48	3257	1.47	53383	8 0 0				
1.5	917.87	3853	1.24	53383	9 0 0				
1.4	980.00	4111	1.16	53383	1 0 C				
1.3	1088.78	4550	1.06	53383	1 1 C				
1.2	1216.09	5087	0.94	53383	1 2 C				
2.6	544.84	2314	3.66	87299	C 1 0 4 1 5 6 0 _ M _ _ _ . 7 5 A - -			332.5	80A
2.3	626.07	2657	3.19	87299	6 3 0				
2.0	709.95	3008	2.82	87299	7 1 0				
1.8	783.06	3319	2.55	87299	8 0 0				
1.6	896.77	3797	2.23	87299	9 0 0				
1.4	1013.93	4288	1.98	87299	1 0 C				
1.3	1126.71	4744	1.75	87375	1 1 C				
1.2	1175.54	4962	1.71	87299	1 2 C				
1.0	1402.11	5904	1.44	87299	1 4 C				
0.88	1606.71	6682	1.28	87299	1 6 C				
0.76	1862.80	7737	1.11	87299	1 8 C				
0.66	2146.36	8864	0.97	87299	2 0 C				
0.64	2221.83	9211	0.93	87299	2 2 C				
0.55	2560.05	10553	0.81	87299	2 5 C				

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.75 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit	
107	8.59	55	1.61	2832	C 0 3 2 1 8 . 0 _ M _ - - - . 7 5 C - -	24.5	90S
79	11.61	73	1.32	2823	1 1 .		
70	13.20	83	1.19	2818	1 2 .		
62	14.95	93	1.09	2814	1 4 .		
56	16.36	90	1.06	2815	1 6 .		
48	19.12	118	0.91	2798	C 0 3 2 1 1 8 . _ M _ - - - . 7 5 C - -	24.5	90S
45	20.61	127	0.86	2792	2 0 .		
42	22.11	120	0.87	2798	2 2 .		
107	8.59	56	2.67	5283	C 0 4 2 1 8 . 0 _ M _ - - - . 7 5 C - -	26.5	90S
79	11.61	75	2.17	5277	1 1 .		
70	13.20	84	1.98	5274	1 2 .		
62	14.95	95	1.81	5274	1 4 .		
56	16.36	92	1.70	5274	1 6 .		
48	19.12	121	1.51	5271	1 8 .		
45	20.61	129	1.44	5267	2 0 .		
42	22.11	123	1.38	5267	2 2 .		
37	25.14	138	1.26	5267	2 5 .		
32	28.48	156	1.16	5262	2 8 .		
27	33.71	207	1.01	5248	3 2 .		
25	36.43	196	0.97	5257	3 6 .		
23	39.26	210	0.93	5251	4 0 .		
79	11.66	76	3.60	7440	C 0 5 2 1 1 1 . _ M _ - - - . 7 5 C - -	30.5	90S
72	12.85	84	3.40	7440	1 2 .		
63	14.59	95	3.14	7440	1 4 .		
57	16.09	95	3.65	7440	1 6 .		
50	18.53	119	2.71	7437	1 8 .		
44	21.05	134	2.50	7435	2 0 .		
41	22.56	130	2.85	7437	2 2 .		
37	24.86	142	2.66	7435	2 5 .		
33	28.24	161	2.41	7433	2 8 .		
28	32.55	206	1.88	7429	3 2 .		
26	35.86	201	2.03	7429	3 6 .		
23	40.74	226	1.85	7427	4 0 .		
20	46.84	291	1.39	7423	4 5 .		
18	50.93	316	1.28	7419	5 0 .		
17	55.45	302	1.48	7423	5 6 .		
15	63.00	340	1.35	7419	6 3 .		
13	73.37	447	0.89	7401	7 1 .		
10	90.67	476	1.01	7395	9 0 .		
9.3	98.57	515	0.94	7388	1 0 0		
33	28.18	170	3.82	11937	C 0 6 2 1 2 8 . _ M _ - - - . 7 5 C - -	42.5	90S
27	33.48	223	3.17	11816	3 2 .		
26	35.79	213	3.22	11826	3 6 .		
23	40.57	239	2.94	11813	4 0 .		
19	47.32	312	2.45	11803	4 5 .		
18	50.52	331	2.31	11787	5 0 .		
17	55.71	322	2.34	11787	5 6 .		
14	64.80	370	2.07	11757	6 3 .		
12	73.92	479	1.60	11626	7 1 .		
11	80.94	519	1.33	11580	8 0 .		
10	91.58	512	1.49	11680	9 0 .		
9.4	97.78	544	1.41	11580	1 0 0		
8.3	110.57	703	1.02	11450	1 1 2		
6.4	143.08	773	0.99	11500	1 4 0		
5.9	156.67	841	0.91	11400	1 6 0		
8.9	103.86	658	1.16	11539	C 0 6 3 1 1 0 0 _ M _ - - - . 7 5 C - -	47.5	90S
7.8	117.99	743	1.03	11439	1 1 8		
7.1	130.00	700	1.09	11539	1 3 2		
6.2	147.69	788	0.97	11439	1 5 0		
21	44.13	300	3.14	29168	C 0 7 2 1 4 5 . _ M _ - - - . 7 5 C - -	84.5	90S
18	49.90	339	2.82	29158	5 0 .		
17	53.62	346	2.91	29156	5 6 .		
15	61.62	398	2.61	29156	6 3 .		
13	69.00	461	2.27	29142	7 1 .		
12	75.56	505	2.10	29127	8 0 .		
10	88.26	560	1.98	29132	9 0 .		
9.2	99.79	632	1.80	29132	1 0 0		
8.8	104.32	688	1.60	29132	1 1 2		
7.9	115.92	761	1.44	29099	1 2 5		
6.7	138.00	861	1.39	29095	1 4 0		
6.1	151.12	936	1.30	29095	1 6 0		
4.4	208.65	1270	1.00	29000	2 1 2		
4.0	231.83	1405	0.90	28900	2 5 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

0.75 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit	
9.5	97.33	643	2.08	29078	C 0 7 3 1 1 0 0 _ M _ _ _ _ . 7 5 C - -	93.5	90S
8.1	113.20	743	1.8	29048	1 1 8		
7.4	125.04	769	1.53	29096	1 3 2		
6.5	141.75	876	1.38	29065	1 5 0		
5.8	159.98	1038	1.29	28971	1 6 0		
5.4	170.81	1107	1.21	28971	1 8 0		
4.7	194.65	1187	1.07	28926	2 0 0		
4.1	226.39	1365	0.93	29000	2 2 5		
3.7	249.94	1601	0.84	28900	2 6 5		
9.3	98.53	631	3.71	41871	C 0 8 2 1 1 0 0 _ M _ _ _ _ . 7 5 C - -	134.5	90S
7.8	117.89	782	3.72	41879	1 2 5		
6.6	139.29	878	2.82	41858	1 4 0		
6.0	153.00	962	2.62	41858	1 6 0		
4.5	204.75	1270	2.07	41832	C 0 8 2 1 2 1 2 _ M _ _ _ _ . 7 5 C - -	134.5	90S
3.9	235.77	1443	1.81	41832	2 5 0		
3.7	249.73	1526	3.65	53800	C 0 9 2 1 2 5 0 _ M _ _ _ _ . 7 5 C - -	197.5	90S
1.6	558.41	3619	1.32	53383	C 0 9 4 1 5 6 0 _ M _ _ _ _ . 7 5 C - -	218.5	90S
1.4	649.47	4203	1.14	53383	6 3 0		
1.3	726.65	4692	1.02	53383	7 1 0		
1.2	774.48	5003	0.96	53383	8 0 0		
1.0	917.87	5914	0.81	53383	9 0 0		
1.9	495.31	3240	2.62	87299	C 1 0 4 1 5 0 0 _ M _ _ _ _ . 7 5 C - -	336.5	90S
1.7	544.84	3561	2.38	87299	5 6 0		
1.5	626.07	4087	2.07	87299	6 3 0		
1.3	709.95	4625	1.83	87299	7 1 0		
1.2	783.06	5101	1.66	87299	8 0 0		
1.0	896.77	5832	1.45	87299	9 0 0		
0.91	1013.93	6582	1.29	87299	1 0 C		
0.82	1126.71	7285	1.14	87375	1 1 C		
0.78	1175.54	7612	1.11	87299	1 2 C		
0.66	1402.11	9048	0.94	87299	1 4 C		
0.57	1606.71	10274	0.83	87299	1 6 C		

1.1 kW

4 POLE

164	8.59	53	1.52	2831	C 0 3 2 1 8 . 0 _ M _ _ _ _ 1 . 1 A - -	24.5	90S
121	11.61	71	1.23	2824	1 1 .		
107	13.20	80	1.12	2817	1 2 .		
94	14.95	91	1.03	2817	1 4 .		
86	16.36	88	0.98	2810	1 6 .		
74	19.12	115	0.86	2800	1 8 .		
68	20.61	123	0.82	2800	2 0 .		
64	22.11	117	0.80	2800	2 2 .		
164	8.59	54	2.51	5286	C 0 4 2 1 8 . 0 _ M _ _ _ _ 1 . 1 A - -	26.5	90S
121	11.61	72	2.04	5279	1 1 .		
107	13.20	82	1.87	5280	1 2 .		
94	14.95	92	1.71	5275	1 4 .		
86	16.36	91	1.57	5275	1 6 .		
74	19.12	117	1.43	5275	1 8 .		
68	20.61	125	1.36	5275	2 0 .		
64	22.11	121	1.28	5275	2 2 .		
56	25.14	136	1.18	5268	2 5 .		
50	28.48	153	1.09	5268	2 8 .		
42	33.71	201	0.95	5254	3 2 .		
39	36.43	193	0.91	5260	3 6 .		
36	39.26	206	0.87	5260	4 0 .		
170	8.31	53	3.88	7440	C 0 5 2 1 8 . 0 _ M _ _ _ _ 1 . 1 A - -	30.5	90S
121	11.66	74	3.20	7440	1 1 .		
110	12.85	81	3.02	7440	1 2 .		
97	14.59	92	2.80	7438	1 4 .		
88	16.09	93	3.41	7440	1 6 .		
76	18.53	116	2.42	7440	1 8 .		
67	21.05	131	2.25	7437	2 0 .		
62	22.56	128	2.68	7437	2 2 .		
57	24.86	140	2.50	7437	2 5 .		
50	28.24	158	2.29	7435	2 8 .		
43	32.55	199	1.71	7433	3 2 .		
39	35.86	197	1.91	7433	3 6 .		
35	40.74	222	1.74	7433	4 0 .		
30	46.84	284	1.34	7434	4 5 .		
28	50.93	307	1.27	7428	5 0 .		
25	55.45	297	1.40	7428	5 6 .		
22	63.00	333	1.28	7422	6 3 .		
19	73.37	434	0.88	7420	7 1 .		
16	90.67	470	1.02	7410	9 0 .		
14	98.57	504	0.95	7400	1 0 0		

NOTE

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SERIES C

SELECTION TABLES

GEARED MOTORS

1.1 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
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	
67	20.96	137	3.86	11944	C 0 6 2 1 2 0 . _ M _ - _ _ 1 . 1 A - -	42.5	90S
56	25.11	149	3.97	11944	2 5 .		
50	28.18	167	3.65	11936	2 8 .		
42	33.48	216	2.88	11820	3 2 .		
39	35.79	208	3.05	11836	3 6 .		
35	40.57	235	2.77	11832	4 0 .		
30	47.32	302	2.30	11795	4 5 .		
28	50.52	322	2.20	11764	5 0 .		
25	55.71	317	2.20	11811	5 6 .		
22	64.80	364	1.98	11764	6 3 .		
19	73.92	463	1.64	11644	7 1 .		
17	80.94	506	1.20	11644	8 0 .		
15	91.58	503	1.52	11644	C 0 6 2 1 9 0 . _ M _ - _ _ 1 . 1 A - -	42.5	90S
14	97.78	534	1.43	11644	1 0 0		
13	110.57	680	0.93	11500	1 1 2		
14	103.86	637	1.20	11500	C 0 6 3 1 1 0 0 _ M _ - _ _ 1 . 1 A - -	47.5	90S
12	117.99	722	1.06	11400	1 1 8		
11	130.00	687	1.11	11500	1 3 2		
10	147.69	773	0.99	11500	1 5 0		
46	30.81	205	3.86	29049	C 0 7 2 1 3 2 . _ M _ - _ _ 1 . 1 A - -	84.5	90S
32	44.13	290	3.00	29166	4 5 .		
28	49.90	327	2.69	29166	5 0 .		
26	53.62	338	2.79	29168	5 6 .		
23	61.62	386	2.51	29152	6 3 .		
20	69.00	448	2.07	29152	7 1 .		
19	75.56	490	1.91	29136	8 0 .		
16	88.26	547	1.88	29133	9 0 .		
14	99.79	612	1.71	29133	1 0 0		
14	104.32	665	1.46	29133	1 1 2		
12	115.92	739	1.31	29100	1 2 5		
10	138.00	833	1.34	29084	1 4 0		
9.3	151.12	914	1.25	29084	1 6 0		
6.8	208.65	1234	0.97	29000	2 1 2		
6.1	231.83	1366	0.89	28900	2 5 0		
14	97.33	621	2.16	29097	C 0 7 3 1 1 0 0 _ M _ - _ _ 1 . 1 A - -	93.5	90S
12	113.20	718	1.87	29029	1 1 8		
11	125.04	749	1.47	29087	1 3 2		
10	141.75	839	1.33	29100	1 5 0		
16	87.29	546	3.88	41877	C 0 8 2 1 9 0 . _ M _ - _ _ 1 . 1 A - -	134.5	90S
14	98.53	612	3.53	41884	1 0 0		
12	117.89	756	3.77	41868	1 2 5		
10	139.29	851	2.71	41852	1 4 0		
9.2	153.00	932	2.52	41855	1 6 0		
6.9	204.75	1230	2.01	41810	2 1 2		
6.0	235.77	1409	1.79	41833	2 5 0		
9.0	156.45	952	2.85	41656	C 0 8 4 1 1 6 0 _ M _ - _ _ 1 . 1 A - -	150.5	90S
8.0	176.60	1069	2.66	41656	1 8 0		
6.4	219.96	1338	2.03	41656	2 1 2		
5.7	248.29	1503	1.89	41656	2 5 0		
5.1	276.74	1683	1.61	41656	2 8 0		
4.5	312.37	1891	1.50	41656	3 1 5		
4.0	351.44	2137	1.27	41656	3 6 0		
3.5	398.40	2421	1.12	41656	4 0 0		
3.1	449.70	2720	1.05	41656	4 5 0		
3.0	475.14	2886	0.94	41656	5 0 0		
2.6	547.09	3321	0.82	41656	5 6 0		
5.6	249.73	1485	3.76	53800	C 0 9 2 1 2 5 0 _ M _ - _ _ 1 . 1 A - -	197.5	90S
6.3	224.51	1396	3.42	53383	C 0 9 4 1 2 1 2 _ M _ - _ _ 1 . 1 A - -	218.5	90S
5.7	249.43	1544	3.12	53383	2 5 0		
5.0	282.46	1756	2.72	53383	2 8 0		
4.5	313.81	1942	2.48	53383	3 1 5		
3.9	358.71	2229	2.14	53383	3 6 0		
3.5	406.64	2526	1.89	53383	4 0 0		
3.1	451.77	2794	1.72	53383	4 5 0		
2.9	484.97	3010	1.59	53383	5 0 0		
2.5	558.41	3464	1.38	53383	5 6 0		
2.2	649.47	4025	1.19	53383	6 3 0		
1.9	726.65	4495	1.06	53383	7 1 0		
1.8	774.48	4794	1.00	53383	8 0 0		
1.5	917.87	5672	0.84	53383	9 0 0		

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

1.1 kW 4 POLE	N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
	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	
	2.8	495.31	3098	2.74	87299	C 1 0 4 1 5 0 0 _ M _ _ _ _ 1 . 1 A - -	336.5	90S
	2.6	544.84	3407	2.49	87299	5 6 0		
	2.3	626.07	3912	2.17	87299	6 3 0		
	2.0	709.95	4428	1.91	87299	7 1 0		
	1.8	783.06	4885	1.73	87299	8 0 0		
	1.6	896.77	5589	1.52	87299	9 0 0		
	1.4	1013.93	6311	1.34	87299	1 0 C		
	1.3	1126.71	6983	1.19	87375	1 1 C		
	1.2	1175.54	7304	1.16	87299	1 2 C		
	1.0	1402.11	8690	0.98	87299	1 4 C		
	0.88	1606.71	9836	0.87	87299	1 6 C		
1.1 kW 6 POLE	108	8.59	80	1.10	2817	C 0 3 2 1 8 . 0 _ M _ _ _ _ 1 . 1 C - -	25.5	90L
	80	11.61	106	0.90	2803	1 1 .		
	70	13.20	121	0.82	2796	1 2 .		
	108	8.59	81	1.83	5280	C 0 4 2 1 8 . 0 _ M _ _ _ _ 1 . 1 C - -	27.5	90L
	80	11.61	109	1.49	5271	1 1 .		
	70	13.20	123	1.36	5266	1 2 .		
	62	14.95	139	1.24	5266	1 4 .		
	57	16.36	135	1.17	5266	1 6 .		
	48	19.12	177	1.03	5261	1 8 .		
	45	20.61	188	0.99	5254	2 0 .		
42	22.11	179	0.95	5254	2 2 .			
37	25.14	202	0.86	5254	2 5 .			
111	8.31	80	3.03	7440	C 0 5 2 1 8 . 0 _ M _ _ _ _ 1 . 1 C - -	31.5		
79	11.66	112	2.47	7440	1 1 .			
72	12.85	123	2.33	7440	1 2 .			
63	14.59	139	2.15	7440	1 4 .			
58	16.09	138	2.51	7440	1 6 .			
50	18.53	175	1.86	7436	1 8 .			
44	21.05	196	1.72	7432	2 0 .			
41	22.56	190	1.95	7436	2 2 .			
37	24.86	208	1.82	7432	2 5 .			
33	28.24	234	1.66	7428	2 8 .			
28	32.55	300	1.29	7420	3 2 .			
26	35.86	293	1.39	7420	3 6 .			
23	40.74	330	1.27	7416	4 0 .			
20	46.84	425	0.95	7407	4 5 .			
18	50.93	462	0.88	7401	5 0 .			
17	55.45	441	1.02	7407	5 6 .			
15	63.00	496	0.93	7401	6 3 .			
71	12.97	130	3.99	11928	C 0 6 2 1 1 2 . _ M _ _ _ _ 1 . 1 C - -	43.5	90L	
64	14.56	145	3.71	11914	1 4 .			
50	18.49	183	3.20	11900	1 8 .			
44	20.96	207	2.95	11886	2 0 .			
41	22.40	200	3.11	11900	2 2 .			
37	25.11	223	2.85	11886	2 5 .			
33	28.18	248	2.62	11879	2 8 .			
28	33.48	326	2.17	11739	3 2 .			
26	35.79	310	2.21	11759	3 6 .			
23	40.57	349	2.01	11733	4 0 .			
20	47.32	455	1.68	11693	4 5 .			
18	50.52	483	1.59	11670	5 0 .			
17	55.71	470	1.60	11670	5 6 .			
14	64.80	539	1.42	11623	6 3 .			
13	73.92	699	1.09	11473	7 1 .			
11	80.94	757	0.91	11402	8 0 .			
10	91.58	747	1.02	11502	9 0 .			
9.5	97.78	794	0.96	11402	1 0 0			
30	30.81	309	2.78	29157	C 0 7 2 1 3 2 . _ M _ _ _ _ 1 . 1 C - -	85.5	90L	
21	44.13	439	2.15	29139	4 5 .			
19	49.90	494	1.94	29119	5 0 .			
17	53.62	505	2.00	29116	5 6 .			
15	61.62	582	1.79	29116	6 3 .			
13	69.00	673	1.56	29088	7 1 .			
12	75.56	737	1.44	29061	8 0 .			
10	88.26	817	1.36	29070	9 0 .			
9.3	99.79	923	1.24	29070	1 0 0			
8.9	104.32	1004	1.09	29070	1 1 2			
8.0	115.92	1111	0.99	29006	1 2 5			
6.7	138.00	1256	0.95	29000	1 4 0			
6.1	151.12	1365	0.89	29000	1 6 0			
10	97.33	938	1.43	29011	C 0 7 3 1 1 0 0 _ M _ _ _ _ 1 . 1 C - -			94.5
8.2	113.20	1084	1.24	28964	1 1 8			
7.4	125.04	1122	1.05	29000	1 3 2			
6.5	141.75	1279	0.95	28941	1 5 0			

NOTE

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SERIES C

SELECTION TABLES

GEARED MOTORS

1.1 kW
6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
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			
12	76.50	754	3.77	41843	C 0 8 2 1 8 0 . _ M _ - _ _ 1 . 1 C - -	135.5	90L		
11	87.29	819	2.79	41859	9 0 .				
9.4	98.53	921	2.54	41844	1 0 0				
9.0	102.38	1000	3.04	41844	1 1 2				
7.8	117.89	1141	2.55	41860	1 2 5				
6.6	139.29	1281	1.94	41820	1 4 0				
6.0	153.00	1403	1.80	41820	1 6 0				
5.9	156.45	1458	1.86	41656	C 0 8 4 1 1 6 0 _ M _ - _ _ 1 . 1 C - -			151.5	90L
5.2	176.60	1637	1.74	41656	1 8 0				
4.2	219.96	2048	1.33	41656	2 1 2				
3.7	248.29	2301	1.24	41656	2 5 0				
3.3	276.74	2574	1.05	41656	2 8 0				
3.0	312.37	2892	0.98	41656	3 1 5				
2.6	351.44	3265	0.83	41656	3 6 0				
7.7	119.38	1171	3.97	53755	C 0 9 2 1 1 2 5 _ M _ - _ _ 1 . 1 C - -	198.5	90L		
5.7	161.44	1474	3.78	53741	C 0 9 2 1 1 6 0 _ M _ - _ _ 1 . 1 C - -			198.5	90L
4.2	222.08	1990	2.80	53713	2 1 2				
3.7	249.73	2227	2.51	53703	2 5 0				
5.8	159.68	1518	3.15	53383	C 0 9 4 1 1 6 0 _ M _ - _ _ 1 . 1 C - -	219.5	90L		
5.2	177.41	1679	2.87	53383	1 8 0				
4.1	224.51	2132	2.24	53383	2 1 2				
3.7	249.43	2360	2.04	53383	2 5 0				
3.3	282.46	2681	1.78	53383	2 8 0				
2.9	313.81	2967	1.62	53383	3 1 5				
2.6	358.71	3401	1.41	53383	3 6 0				
2.3	406.64	3853	1.24	53383	4 0 0				
2.0	451.77	4264	1.13	53383	4 5 0				
1.9	484.97	4590	1.04	53383	5 0 0				
1.7	558.41	5279	0.91	53383	5 6 0				
1.9	495.31	4726	1.79	87299	C 1 0 4 1 5 0 0 _ M _ - _ _ 1 . 1 C - -			337.5	90L
1.7	544.84	5195	1.63	87299	5 6 0				
1.5	626.07	5963	1.42	87299	6 3 0				
1.3	709.95	6747	1.26	87299	7 1 0				
1.2	783.06	7441	1.14	87299	8 0 0				
1.0	896.77	8508	1.00	87299	9 0 0				
0.91	1013.93	9602	0.88	87299	1 0 C				

1.5 kW
4 POLE

165	8.59	72	1.12	2820	C 0 3 2 1 8 . 0 _ M _ - _ _ 1 . 5 A - -	25.5	90L		
122	11.61	96	0.91	2810	1 1 .				
108	13.20	109	0.83	2800	1 2 .				
165	8.59	73	1.85	5285	C 0 4 2 1 8 . 0 _ M _ - _ _ 1 . 5 A - -	27.5	90L		
122	11.61	98	1.51	5275	1 1 .				
108	13.20	111	1.38	5276	1 2 .				
95	14.95	125	1.27	5270	1 4 .				
87	16.36	123	1.16	5270	1 6 .				
74	19.12	158	1.06	5270	1 8 .				
69	20.61	170	1.01	5270	2 0 .				
64	22.11	164	0.95	5270	2 2 .				
56	25.14	185	0.87	5260	2 5 .				
50	28.48	207	0.80	5260	2 8 .				
171	8.31	72	2.87	7440	C 0 5 2 1 8 . 0 _ M _ - _ _ 1 . 5 A - -			31.5	90L
122	11.66	100	2.36	7440	1 1 .				
111	12.85	110	2.23	7440	1 2 .				
97	14.59	125	2.07	7437	1 4 .				
88	16.09	126	2.52	7440	1 6 .				
77	18.53	157	1.79	7440	1 8 .				
67	21.05	177	1.66	7436	2 0 .				
63	22.56	174	1.98	7436	2 2 .				
57	24.86	190	1.85	7436	2 5 .				
50	28.24	214	1.69	7432	2 8 .				
44	32.55	270	1.26	7428	3 2 .				
40	35.86	268	1.41	7428	3 6 .				
35	40.74	301	1.29	7428	4 0 .				
30	46.84	384	0.99	7430	4 5 .				
28	50.93	415	0.94	7420	5 0 .				
26	55.45	402	1.03	7420	5 6 .				
23	63.00	451	0.95	7410	6 3 .				

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

1.5 kW
4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
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	
109	12.97	116	3.82	11945	C 0 6 2 1 1 2 . _ M _ - _ - 1 . 5 A - -	43.5	90L
98	14.56	130	3.56	11923	1 4 .		
89	15.93	131	3.94	11942	1 6 .		
77	18.49	164	3.08	11904	1 8 .		
68	20.96	186	2.85	11904	2 0 .		
63	22.40	182	3.18	11904	2 2 .		
57	25.11	202	2.93	11904	2 5 .		
50	28.18	226	2.70	11889	2 8 .		
42	33.48	292	2.13	11762	3 2 .		
40	35.79	282	2.25	11789	3 6 .		
35	40.57	318	2.04	11783	4 0 .		
30	47.32	409	1.70	11712	4 5 .		
28	50.52	436	1.63	11668	5 0 .		
25	55.71	429	1.63	11734	5 6 .		
22	64.80	493	1.46	11668	6 3 .		
19	73.92	627	1.21	11500	7 1 .		
18	80.94	685	0.89	11500	8 0 .		
16	91.58	682	1.12	11500	9 0 .		
15	97.78	724	1.06	11500	1 0 0		
46	30.81	278	2.85	28940	C 0 7 2 1 3 2 . _ M _ - _ - 1 . 5 A - -	85.5	90L
32	44.13	393	2.21	29142	4 5 .		
28	49.90	443	1.98	29142	5 0 .		
26	53.62	458	2.06	29144	5 6 .		
23	61.62	523	1.85	29117	C 0 7 2 1 6 3 . _ M _ - _ - 1 . 5 A - -	85.5	90L
21	69.00	606	1.53	29117	7 1 .		
19	75.56	663	1.41	29089	8 0 .		
16	88.26	740	1.39	29084	9 0 .		
14	99.79	829	1.27	29084	1 0 0		
14	104.32	901	1.08	29084	1 1 2		
12	115.92	1000	0.97	29027	1 2 5		
10	138.00	1128	0.99	29000	1 4 0		
9.4	151.12	1238	0.92	29000	1 6 0		
15	97.33	841	1.59	29056	C 0 7 3 1 1 0 0 _ M _ - _ - 1 . 5 A - -	94.5	90L
13	113.20	972	1.38	28960	1 1 8		
11	125.04	1014	1.08	29006	1 3 2		
10	141.75	1136	0.99	29027	1 5 0		
8.9	159.98	1359	0.99	28868	1 6 0		
8.3	170.81	1445	0.93	28900	1 8 0		
19	76.50	677	3.78	41845	C 0 8 2 1 8 0 . _ M _ - _ - 1 . 5 A - -	135.5	90L
16	87.29	739	2.87	41861	9 0 .		
14	98.53	829	2.60	41872	1 0 0		
14	102.38	897	3.08	41872	1 1 2		
12	117.89	1024	2.78	41844	1 2 5		
10	139.29	1152	2.00	41817	1 4 0		
9.3	153.00	1262	1.86	41822	1 6 0		
6.9	204.75	1666	1.48	41744	2 1 2		
6.0	235.77	1908	1.33	41784	2 5 0		
9.1	156.45	1290	2.11	41656	C 0 8 4 1 1 6 0 _ M _ - _ - 1 . 5 A - -	151.5	90L
8.0	176.60	1448	1.96	41656	1 8 0		
6.5	219.96	1812	1.50	41656	2 1 2		
5.7	248.29	2035	1.40	41656	2 5 0		
5.1	276.74	2279	1.19	41656	2 8 0		
4.5	312.37	2560	1.11	41656	3 1 5		
4.0	351.44	2893	0.94	41656	3 6 0		
3.6	398.40	3279	0.83	41656	4 0 0		
6.4	222.08	1803	3.09	53736	C 0 9 2 1 2 1 2 _ M _ - _ - 1 . 5 A - -	198.5	90L
5.7	249.73	2011	2.77	53727	2 5 0		
8.9	159.68	1345	3.55	53383	C 0 9 4 1 1 6 0 _ M _ - _ - 1 . 5 A - -	219.5	90L
8.0	177.41	1488	3.24	53383	1 8 0		
6.3	224.51	1891	2.53	53383	2 1 2		
5.7	249.43	2091	2.30	53383	2 5 0		
5.0	282.46	2378	2.01	53383	2 8 0		
4.5	313.81	2630	1.83	53383	3 1 5		
4.0	358.71	3018	1.58	53383	3 6 0		
3.5	406.64	3420	1.40	53383	4 0 0		
3.1	451.77	3783	1.27	53383	4 5 0		
2.9	484.97	4076	1.17	53383	5 0 0		
2.5	558.41	4690	1.02	53383	5 6 0		
2.2	649.47	5450	0.88	53383	6 3 0		
2.9	495.31	4195	2.02	87299	C 1 0 4 1 5 0 0 _ M _ - _ - 1 . 5 A - -	337.5	90L
2.6	544.84	4613	1.84	87299	5 6 0		
2.3	626.07	5297	1.60	87299	6 3 0		
2.0	709.95	5996	1.41	87299	7 1 0		
1.8	783.06	6615	1.28	87299	8 0 0		
1.6	896.77	7568	1.12	87299	9 0 0		
1.4	1013.93	8545	0.99	87299	1 0 C		
1.3	1126.71	9455	0.88	87375	1 1 C		
1.2	1175.54	9890	0.86	87299	1 2 C		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

1.5 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit	
108	8.59	109	0.81	2800	C 0 3 2 1 8 . 0 _ M _ - _ - _ 1 . 5 C - -	35	100L
108	8.59	111	1.34	5276	C 0 4 2 1 8 . 0 _ M _ - _ - _ 1 . 5 C - -	37	100L
80	11.61	149	1.09	5263			
70	13.20	167	1.00	5256			
62	14.95	189	0.91	5256			
57	16.36	184	0.85	5256			
111	8.31	110	2.22	7440	C 0 5 2 1 8 . 0 _ M _ - _ - _ 1 . 5 C - -	41	100L
79	11.66	152	1.81	7440			
72	12.85	167	1.71	7440			
63	14.59	189	1.58	7440			
58	16.09	189	1.84	7440			
50	18.53	238	1.36	7433			
44	21.05	268	1.26	7427			
41	22.56	259	1.43	7433			
37	24.86	284	1.34	7427			
33	28.24	320	1.21	7421			
28	32.55	409	0.94	7409			
26	35.86	400	1.02	7409			
23	40.74	450	0.93	7402			
112	8.23	114	3.85	11933			
80	11.57	158	3.13	11911			
71	12.97	177	2.92	11889			
64	14.56	198	2.72	11867			
58	15.93	198	2.94	11889			
50	18.49	250	2.34	11845			
44	20.96	282	2.16	11823			
41	22.40	273	2.28	11845			
37	25.11	304	2.09	11823			
33	28.18	339	1.92	11813			
28	33.48	445	1.59	11650			
26	35.79	423	1.62	11682			
23	40.57	477	1.48	11642			
20	47.32	621	1.23	11568			
18	50.52	658	1.16	11535			
17	55.71	642	1.18	11535			
14	64.80	736	1.04	11469			
13	73.92	953	0.80	11300			
59	15.80	214	3.73	29200	C 0 7 2 1 1 6 . _ M _ - _ - _ 1 . 5 C - -	95	100L
46	20.07	278	3.80	29200			
42	21.89	293	2.93	29200			
38	24.59	328	2.69	29200			
34	27.03	359	2.50	29200			
30	30.81	422	2.04	29133			
26	35.31	464	2.04	29200			
23	40.15	524	1.84	29200			
21	44.13	598	1.58	29106			
19	49.90	674	1.42	29075			
17	53.62	689	1.46	29071			
15	61.62	793	1.31	29071			
13	69.00	918	1.14	29028			
12	75.56	1006	1.05	28985			
10	88.26	1114	1.00	29000			
9.3	99.79	1258	0.91	29000			
8.9	104.32	1369	0.80	29000			
10	97.33	1279	1.05	28934	C 0 7 3 1 1 0 0 _ M _ - _ - _ 1 . 5 C - -	104	100L
8.2	113.20	1479	0.91	28868			
23	39.51	524	3.80	41900	C 0 8 2 1 4 0 . _ M _ - _ - _ 1 . 5 C - -	145	100L
19	49.26	672	3.78	41836			
17	54.60	713	2.94	41900			
15	63.56	824	2.61	41900			
13	69.64	938	2.96	41811			
12	76.50	1028	2.76	41811			
11	87.29	1117	2.05	41837			
9.4	98.53	1256	1.86	41814			
9.0	102.38	1363	2.23	41814			
7.8	117.89	1556	1.87	41838			
6.6	139.29	1746	1.42	41776			
6.0	153.00	1913	1.32	41776			
4.5	204.75	2527	1.04	41700			
3.9	235.77	2872	0.91	41700			
5.9	156.45	1988	1.37	41656	C 0 8 4 1 1 6 0 _ M _ - _ - _ 1 . 5 C - -	161	100L
5.2	176.60	2233	1.27	41656			
4.2	219.96	2792	0.97	41656			
3.7	248.29	3137	0.91	41656			
8.7	106.17	1432	3.22	53721	C 0 9 2 1 1 1 2 _ M _ - _ - _ 1 . 5 C - -	208	100L
7.7	119.38	1597	2.91	53705			
6.3	146.23	1828	3.05	53689			
5.7	161.44	2010	2.78	53673			
4.2	222.08	2714	2.06	53615			
3.7	249.73	3037	1.84	53592			

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

1.5 kW 6 POLE	N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
	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	
	5.8	159.68	2070	2.31	53383	C 0 9 4 1 1 6 0 _ M _ _ _ _ 1 . 5 C - -	229	100L
	5.2	177.41	2290	2.10	53383	1 8 0		
	4.1	224.51	2908	1.64	53383	2 1 2		
	3.7	249.43	3218	1.50	53383	2 5 0		
	3.3	282.46	3656	1.31	53383	2 8 0		
	2.9	313.81	4046	1.19	53383	3 1 5		
	2.6	358.71	4638	1.03	53383	3 6 0		
	2.3	406.64	5255	0.91	53383	4 0 0		
	2.0	451.77	5815	0.83	53383	4 5 0		
	5.5	166.73	2139	3.98	87400	C 1 0 2 1 1 6 0 _ M _ _ _ _ 1 . 5 C - -	305	100L
	4.1	225.50	2845	3.10	87400	2 1 2		
	3.8	242.27	3044	2.90	87400	2 5 0		
	1.9	495.31	6445	1.31	87299	C 1 0 4 1 5 0 0 _ M _ _ _ _ 1 . 5 C - -	347	100L
	1.7	544.84	7085	1.20	87299	5 6 0		
	1.5	626.07	8131	1.04	87299	6 3 0		
	1.3	709.95	9200	0.92	87299	7 1 0		
	1.2	783.06	10147	0.84	87299	8 0 0		
	166	8.59	107	1.27	5282	C 0 4 2 1 8 . 0 _ M _ _ _ _ 2 . 2 A - -	37	100L
	123	11.61	144	1.03	5268	1 1 .		
	108	13.20	163	0.94	5270	1 2 .		
	95	14.95	183	0.87	5260	1 4 .		
	171	8.31	106	1.96	7440	C 0 5 2 1 8 . 0 _ M _ _ _ _ 2 . 2 A - -	41	100L
	122	11.66	147	1.62	7440	1 1 .		
	111	12.85	161	1.53	7440	1 2 .		
	98	14.59	182	1.42	7435	1 4 .		
	89	16.09	185	1.72	7440	1 6 .		
	77	18.53	230	1.22	7440	1 8 .		
	68	21.05	259	1.13	7433	2 0 .		
	63	22.56	254	1.35	7433	2 2 .		
	57	24.86	278	1.26	7433	2 5 .		
	50	28.24	312	1.16	7426	2 8 .		
	44	32.55	395	0.86	7420	3 2 .		
	40	35.86	391	0.96	7420	3 6 .		
	35	40.74	440	0.88	7420	4 0 .		
	173	8.23	109	3.40	11928	C 0 6 2 1 8 . 0 _ M _ _ _ _ 2 . 2 A - -	53	100L
	123	11.57	152	2.80	11905	1 1 .		
	110	12.97	170	2.61	11905	1 2 .		
	98	14.56	191	2.44	11866	1 4 .		
	89	15.93	191	2.69	11900	1 6 .		
	77	18.49	240	2.11	11833	1 8 .		
	68	20.96	272	1.95	11833	2 0 .		
	64	22.40	266	2.18	11833	2 2 .		
	57	25.11	296	2.01	11833	2 5 .		
	51	28.18	331	1.84	11808	2 8 .		
	43	33.48	427	1.46	11660	3 2 .		
	40	35.79	413	1.54	11708	3 6 .		
	35	40.57	465	1.40	11697	4 0 .		
	30	47.32	598	1.16	11566	4 5 .		
	28	50.52	637	1.11	11500	5 0 .		
	26	55.71	627	1.11	11600	5 6 .		
	22	64.80	720	1.00	11500	6 3 .		
	90	15.80	205	3.49	27500	C 0 7 2 1 1 6 . _ M _ _ _ _ 2 . 2 A - -	95	100L
	81	17.66	237	3.70	28200	1 8 .		
	71	20.07	269	3.42	29200	2 0 .		
	65	21.89	282	2.77	29200	2 2 .		
	58	24.59	315	2.54	29200	2 5 .		
	53	27.03	347	2.37	29200	2 8 .		
	46	30.81	406	1.95	28748	3 2 .		
	40	35.31	448	1.94	29200	3 6 .		
	35	40.15	507	1.76	29200	4 0 .		
	32	44.13	575	1.51	29100	4 5 .		
	29	49.90	648	1.36	29100	5 0 .		
	27	53.62	670	1.41	29104	5 6 .		
	23	61.62	764	1.27	29056	6 3 .		
	21	69.00	886	1.05	29056	7 1 .		
	19	75.56	970	0.96	29008	8 0 .		
	16	88.26	1082	0.95	29000	9 0 .		
	14	99.79	1211	0.87	29000	1 0 0		
	15	97.33	1229	1.09	28983	C 0 7 3 1 1 0 0 _ M _ _ _ _ 2 . 2 A - -	104	100L
	13	113.20	1421	0.94	28838	1 1 8		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

2.2 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit	
40	35.20	453	3.97	41900	C 0 8 2 1 3 6 . _ M _ - _ _ 2 . 2 A - -	145	100L
36	39.51	506	3.64	41900	4 0 .		
33	43.64	576	3.77	41063	4 5 .		
29	49.26	646	3.48	41638	5 0 .		
26	54.60	690	2.84	41900	5 6 .		
22	63.56	797	2.52	41900	6 3 .		
20	69.64	901	2.76	41828	7 1 .		
19	76.50	989	2.59	41805	8 0 .		
16	87.29	1081	1.96	41833	9 0 .		
14	98.53	1211	1.78	41852	1 0 0		
14	102.38	1311	2.10	41852	1 1 2		
12	117.89	1497	1.90	41804	1 2 5		
10	139.29	1684	1.37	41756	1 4 0		
9.3	153.00	1845	1.27	41765	1 6 0		
7.0	204.75	2435	1.01	41630	2 1 2		
6.0	235.77	2789	0.91	41700	2 5 0		
9.1	156.45	1885	1.44	41656	C 0 8 4 1 1 6 0 _ M _ - _ _ 2 . 2 A - -	161	100L
8.1	176.60	2117	1.34	41656	1 8 0		
6.5	219.96	2649	1.03	41656	2 1 2		
5.7	248.29	2975	0.96	41656	2 5 0		
5.1	276.74	3332	0.82	41656	2 8 0		
14	103.53	1280	3.79	53722	C 0 9 2 1 1 0 0 _ M _ - _ _ 2 . 2 A - -	208	100L
13	106.17	1376	3.23	53731	1 1 2		
12	119.38	1539	2.92	53714	1 2 5		
10	146.23	1772	2.98	53696	1 4 0		
8.8	161.44	1950	2.78	53679	1 6 0		
6.4	222.08	2635	2.12	53625	2 1 2		
5.7	249.73	2939	1.90	53600	2 5 0		
8.9	159.68	1966	2.43	53383	C 0 9 4 1 1 6 0 _ M _ - _ _ 2 . 2 A - -	229	100L
8.0	177.41	2175	2.21	53383	1 8 0		
6.3	224.51	2763	1.73	53383	2 1 2		
5.7	249.43	3057	1.58	53383	2 5 0		
5.0	282.46	3475	1.38	53383	2 8 0		
4.5	313.81	3844	1.25	53383	3 1 5		
4.0	358.71	4411	1.08	53383	3 6 0		
3.5	406.64	4998	0.96	53383	4 0 0		
3.2	451.77	5530	0.87	53383	4 5 0		
2.9	484.97	5957	0.80	53383	5 0 0		
8.5	166.73	2067	3.85	87400	C 1 0 2 1 1 6 0 _ M _ - _ _ 2 . 2 A - -	305	100L
6.3	225.50	2755	3.04	87400	2 1 2		
5.9	242.27	2948	2.87	87400	2 5 0		
2.9	495.31	6132	1.38	87299	C 1 0 4 1 5 0 0 _ M _ - _ _ 2 . 2 A - -	347	100L
2.6	544.84	6742	1.26	87299	5 6 0		
2.3	626.07	7741	1.09	87299	6 3 0		
2.0	709.95	8763	0.97	87299	7 1 0		
1.8	783.06	9669	0.88	87299	8 0 0		

2.2 kW

6 POLE

111	8.59	159	0.94	5270	C 0 4 2 1 8 . 0 _ M _ - _ _ 2 . 2 C - -	45	112M
114	8.31	157	1.56	7440	C 0 5 2 1 8 . 0 _ M _ - _ _ 2 . 2 C - -	49	112M
81	11.66	218	1.27	7440	1 1 .		
74	12.85	239	1.20	7440	1 2 .		
65	14.59	271	1.11	7440	1 4 .		
59	16.09	270	1.29	7440	1 6 .		
51	18.53	340	0.95	7430	1 8 .		
45	21.05	383	0.88	7420	2 0 .		
42	22.56	370	1.00	7430	2 2 .		
38	24.86	406	0.94	7420	2 5 .		
34	28.24	457	0.85	7410	2 8 .		
115	8.23	162	2.69	11892	C 0 6 2 1 8 . 0 _ M _ - _ _ 2 . 2 C - -	65	112M
82	11.57	226	2.20	11857	1 1 .		
73	12.97	253	2.05	11821	1 2 .		
65	14.56	283	1.90	11785	1 4 .		
60	15.93	283	2.06	11821	1 6 .		
51	18.49	357	1.64	11750	1 8 .		
45	20.96	403	1.52	11714	2 0 .		
42	22.40	390	1.60	11750	2 2 .		
38	25.11	435	1.46	11714	2 5 .		
34	28.18	484	1.34	11697	2 8 .		
28	33.48	635	1.12	11496	3 2 .		
27	35.79	605	1.13	11547	3 6 .		
23	40.57	681	1.03	11482	4 0 .		
20	47.32	886	0.86	11350	4 5 .		
19	50.52	940	0.81	11300	5 0 .		
17	55.71	917	0.82	11300	5 6 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

2.2 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
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			
120	7.90	160	3.84	24856	C 0 7 2 1 8 . 0 _ M _ _ _ _ 2 . 2 C - -	109	112M		
87	10.94	221	3.84	26975	1 1 .				
77	12.29	248	3.61	27838	1 2 .				
70	13.52	272	3.41	28591	1 4 .				
60	15.80	305	2.61	28978	1 6 .				
54	17.66	353	2.89	28908	1 8 .				
47	20.07	398	2.66	28966	2 0 .				
43	21.89	419	2.05	29165	2 2 .				
39	24.59	468	1.88	29165	2 5 .				
35	27.03	513	1.75	29165	C 0 7 2 1 2 8 . _ M _ _ _ _ 2 . 2 C - -			109	112M
31	30.81	603	1.43	29092	3 2 .				
27	35.31	663	1.43	29144	3 6 .				
24	40.15	749	1.29	29116	4 0 .				
22	44.13	854	1.11	29048	4 5 .				
19	49.90	963	0.99	28998	5 0 .				
18	53.62	984	1.03	28991	5 6 .				
15	61.62	1133	0.92	28991	6 3 .				
14	69.00	1311	0.80	28921	7 1 .				
39	24.47	474	3.84	41597	C 0 8 2 1 2 5 . _ M _ _ _ _ 2 . 2 C - -	152	112M		
35	27.22	524	3.54	41795	2 8 .				
30	31.78	626	3.56	41748	3 2 .				
27	35.20	670	2.91	41888	3 6 .				
24	39.51	748	2.66	41876	4 0 .				
22	43.64	855	2.87	41848	4 5 .				
19	49.26	960	2.64	41797	5 0 .				
17	54.60	1019	2.06	41865	5 6 .				
15	63.56	1177	1.83	41847	6 3 .				
14	69.64	1340	2.07	41757	7 1 .				
12	76.50	1468	1.93	41757	8 0 .				
11	87.29	1595	1.43	41799	9 0 .				
10	98.53	1793	1.30	41760	1 0 0				
9.3	102.38	1947	1.56	41760	1 1 2				
8.1	117.89	2223	1.31	41800	1 2 5				
6.8	139.29	2494	0.99	41700	1 4 0				
6.2	153.00	2732	0.92	41700	1 6 0				
6.1	156.45	2839	0.96	41656	C 0 8 4 1 1 6 0 _ M _ _ _ _ 2 . 2 C - -			175	112M
5.4	176.60	3189	0.89	41656	1 8 0				
14	69.91	1363	3.26	53714	C 0 9 2 1 7 1 . _ M _ _ _ _ 2 . 2 C - -	215	112M		
12	77.18	1502	2.98	53692	8 0 .				
10	93.18	1703	3.08	53671	9 0 .				
9.2	103.53	1883	2.86	53649	1 0 0				
8.9	106.17	2045	2.25	53647	1 1 2				
8.0	119.38	2282	2.04	53616	1 2 5				
6.5	146.23	2611	2.14	53586	1 4 0				
5.9	161.44	2871	1.94	53555	1 6 0				
4.3	222.08	3876	1.44	53443	2 1 2				
3.8	249.73	4337	1.29	53398	2 5 0				
5.9	159.68	2956	1.62	53383	C 0 9 4 1 1 6 0 _ M _ _ _ _ 2 . 2 C - -			243	112M
5.4	177.41	3270	1.47	53383	1 8 0				
4.2	224.51	4153	1.15	53383	2 1 2				
3.8	249.43	4596	1.05	53383	2 5 0				
3.4	282.46	5221	0.92	53383	2 8 0				
3.0	313.81	5778	0.83	53383	3 1 5				
8.2	115.82	2240	3.53	87400	C 1 0 2 1 1 2 5 _ M _ _ _ _ 2 . 2 C - -	312	112M		
6.6	144.71	2668	3.12	87376	1 4 0				
5.7	166.73	3055	2.79	87365	1 6 0				
4.2	225.50	4064	2.17	87347	2 1 2				
3.9	242.27	4347	2.03	87347	2 5 0				
1.9	495.31	9204	0.92	87299	C 1 0 4 1 5 0 0 _ M _ _ _ _ 2 . 2 C - -			361	112M
1.7	544.84	10117	0.84	87299	5 6 0				

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

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 Sizes
166	8.59	147	0.93	5280	C 0 4 2 1 8 . 0 _ M _ - _ - 3 . 0 A - -	37	100L
171	8.31	145	1.44	7440	C 0 5 2 1 8 . 0 _ M _ - _ - 3 . 0 A - -	41	100L
122	11.66	200	1.19	7440	1 1 .		
111	12.85	220	1.12	7440	1 2 .		
98	14.59	249	1.04	7432	1 4 .		
89	16.09	253	1.26	7440	1 6 .		
77	18.53	314	0.90	7440	1 8 .		
68	21.05	354	0.83	7430	2 0 .		
63	22.56	347	0.99	7430	2 2 .		
57	24.86	379	0.93	7430	2 5 .		
50	28.24	426	0.85	7420	2 8 .		
173	8.23	149	2.50	11894	C 0 6 2 1 8 . 0 _ M _ - _ - 3 . 0 A - -	53	100L
123	11.57	208	2.05	11858	1 1 .		
110	12.97	232	1.92	11858	1 2 .		
98	14.56	260	1.79	11802	1 4 .		
89	15.93	261	1.98	11851	1 6 .		
77	18.49	328	1.55	11752	1 8 .		
68	20.96	370	1.43	11752	2 0 .		
64	22.40	362	1.60	11752	2 2 .		
57	25.11	403	1.47	11752	2 5 .		
51	28.18	451	1.35	11715	2 8 .		
43	33.48	583	1.07	11544	3 2 .		
40	35.79	563	1.13	11615	3 6 .		
35	40.57	634	1.03	11600	C 0 6 2 1 4 0 . _ M _ - _ - 3 . 0 A - -	53	100L
30	47.32	815	0.85	11400	4 5 .		
130	10.94	201	3.64	24654	C 0 7 2 1 1 1 . _ M _ - _ - 3 . 0 A - -	95	100L
116	12.29	227	3.37	25318	1 2 .		
105	13.52	249	3.19	25990	1 4 .		
90	15.80	279	2.56	27218	1 6 .		
81	17.66	323	2.72	27800	1 8 .		
71	20.07	367	2.51	28732	2 0 .		
65	21.89	385	2.03	28898	2 2 .		
58	24.59	430	1.86	28943	2 5 .		
53	27.03	473	1.74	29018	2 8 .		
46	30.81	554	1.43	28530	3 2 .		
40	35.31	611	1.42	29151	3 6 .		
35	40.15	691	1.29	29151	4 0 .		
32	44.13	785	1.11	29051	4 5 .		
29	49.90	883	1.00	29051	5 0 .		
27	53.62	913	1.04	29057	5 6 .		
23	61.62	1042	0.93	28986	6 3 .		
58	24.47	434	3.80	38856	C 0 8 2 1 2 5 . _ M _ - _ - 3 . 0 A - -	145	100L
52	27.22	480	3.54	39518	2 8 .		
45	31.78	577	3.37	40736	3 2 .		
40	35.20	618	2.91	41500	3 6 .		
36	39.51	690	2.67	41563	4 0 .		
33	43.64	785	2.76	40657	4 5 .		
29	49.26	881	2.55	41512	5 0 .		
26	54.60	942	2.08	41884	5 6 .		
22	63.56	1087	1.85	41869	6 3 .		
20	69.64	1229	2.02	41794	7 1 .		
19	76.50	1349	1.90	41758	8 0 .		
16	87.29	1474	1.44	41801	9 0 .		
14	98.53	1652	1.31	41828	1 0 0		
14	102.38	1788	1.54	41828	1 1 2		
12	117.89	2042	1.40	41757	1 2 5		
10	139.29	2296	1.01	41686	1 4 0		
9.3	153.00	2517	0.93	41700	1 6 0		
9.1	156.45	2570	1.06	41656	C 0 8 4 1 1 6 0 _ M _ - _ - 3 . 0 A - -	161	100L
8.1	176.60	2887	0.99	41656	1 8 0		
20	69.91	1250	3.41	53723	C 0 9 2 1 7 1 . _ M _ - _ - 3 . 0 A - -	208	100L
18	77.18	1380	3.12	53704	8 0 .		
15	93.18	1578	2.98	53684	9 0 .		
14	103.53	1745	2.78	53665	1 0 0		
13	106.17	1877	2.37	53681	1 1 2		
12	119.38	2098	2.14	53651	1 2 5		
10	146.23	2417	2.19	53621	1 4 0		
8.8	161.44	2660	2.04	53592	1 6 0		
6.4	222.08	3593	1.55	53497	2 1 2		
5.7	249.73	4007	1.39	53454	2 5 0		
8.9	159.68	2681	1.78	53383	C 0 9 4 1 1 6 0 _ M _ - _ - 3 . 0 A - -	229	100L
8.0	177.41	2966	1.62	53383	1 8 0		
6.3	224.51	3769	1.27	53383	2 1 2		
5.7	249.43	4169	1.16	53383	2 5 0		
5.0	282.46	4739	1.01	53383	2 8 0		
4.5	313.81	5243	0.92	53383	3 1 5		

SERIES C

SELECTION TABLES

GEARED MOTORS

3.0 kW 4 POLE	N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
	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	
	12	115.82	2064	3.87	87400	C 1 0 2 1 1 2 5 _ M _ _ _ 3 . 0 A - -	305	100L
	10	144.71	2462	3.15	87381	1 4 0		
	8.5	166.73	2818	2.82	87372	1 6 0		
	6.3	225.50	3757	2.23	87369	2 1 2		
	5.9	242.27	4021	2.11	87369	2 5 0		
	2.9	495.31	8361	1.01	87299	C 1 0 4 1 5 0 0 _ M _ _ _ 3 . 0 A - -	347	100L
	2.6	544.84	9194	0.92	87299	5 6 0		
	2.3	626.07	10557	0.80	87299	6 3 0		
3.0 kW 6 POLE	116	8.23	221	1.99	11846	C 0 6 2 1 8 . 0 _ M _ _ _ 3 . 0 C - -	82	132S
	83	11.57	307	1.62	11794	1 1 .		
	74	12.97	343	1.51	11743	1 2 .		
	66	14.56	384	1.40	11692	1 4 .		
	60	15.93	384	1.52	11743	1 6 .		
	52	18.49	484	1.21	11641	1 8 .		
	46	20.96	547	1.12	11589	2 0 .		
	43	22.40	530	1.18	11641	2 2 .		
	38	25.11	590	1.08	11589	2 5 .		
	34	28.18	657	0.99	11565	2 8 .		
	29	33.48	862	0.82	11320	3 2 .		
	27	35.79	820	0.84	11392	3 6 .		
	121	7.90	217	2.83	24578	C 0 7 2 1 8 . 0 _ M _ _ _ 3 . 0 C - -	126	132S
	87	10.94	300	2.83	26605	1 1 .		
	78	12.29	336	2.66	27425	1 2 .		
	71	13.52	369	2.51	28125	1 4 .		
	60	15.80	414	1.92	28725	1 6 .		
	54	17.66	479	2.13	28575	1 8 .		
	48	20.07	539	1.96	28700	2 0 .		
	44	21.89	568	1.51	29125	2 2 .		
	39	24.59	635	1.39	29125	2 5 .		
	35	27.03	696	1.29	29125	2 8 .		
	31	30.81	818	1.05	29046	3 2 .		
	27	35.31	899	1.05	29080	3 6 .		
	24	40.15	1016	0.95	29020	4 0 .		
	22	44.13	1159	0.82	28982	4 5 .		
	61	15.54	414	3.91	37968	C 0 8 2 1 1 6 . _ M _ _ _ 3 . 0 C - -	169	132S
	54	17.60	479	3.81	38900	1 8 .		
	48	19.76	538	3.55	40105	2 0 .		
	43	22.03	581	3.06	41142	2 2 .		
	39	24.47	643	2.83	41252	2 5 .		
	35	27.22	711	2.61	41675	2 8 .		
	30	31.78	850	2.62	41575	3 2 .		
	27	35.20	908	2.15	41875	3 6 .		
	24	39.51	1015	1.96	41850	4 0 .		
	22	43.64	1160	2.12	41826	4 5 .		
	19	49.26	1302	1.95	41752	5 0 .		
	17	54.60	1382	1.52	41825	5 6 .		
	15	63.56	1596	1.35	41787	6 3 .		
	14	69.64	1818	1.53	41694	7 1 .		
	12	76.50	1991	1.43	41694	8 0 .		
	11	87.29	2164	1.06	41755	9 0 .		
	10	98.53	2433	0.96	41700	1 0 0		
	9.3	102.38	2642	1.15	41700	1 1 2		
	21	44.55	1195	3.55	53734	C 0 9 2 1 4 5 . _ M _ _ _ 3 . 0 C - -	232	132S
	19	49.49	1326	3.23	53712	5 0 .		
	14	69.91	1849	2.40	53666	7 1 .		
	12	77.18	2037	2.20	53633	8 0 .		
	10	93.18	2310	2.27	53600	9 0 .		
	9.2	103.53	2555	2.11	53566	1 0 0		
	9.0	106.17	2774	1.66	53563	1 1 2		
	8.0	119.38	3095	1.50	53515	1 2 5		
	6.5	146.23	3542	1.58	53468	1 4 0		
	5.9	161.44	3895	1.43	53421	1 6 0		
	4.3	222.08	5258	1.06	53246	2 1 2		
	3.8	249.73	5883	0.95	53176	2 5 0		
	6.0	159.68	4010	1.19	53383	C 0 9 4 1 1 6 0 _ M _ _ _ 3 . 0 C - -	260	132S
	5.4	177.41	4437	1.09	53383	1 8 0		
	4.3	224.51	5634	0.85	53383	2 1 2		
	10	91.32	2328	3.30	87384	C 1 0 2 1 9 0 . _ M _ _ _ 3 . 0 C - -	329	132S
	9.4	101.47	2575	3.04	87368	1 0 0		
	8.9	107.80	2836	3.07	87400	1 1 2		
	8.2	115.82	3038	2.60	87400	1 2 5		
	6.6	144.71	3619	2.30	87350	1 4 0		
	5.7	166.73	4144	2.06	87325	1 6 0		
	4.2	225.50	5513	1.60	87287	2 1 2		
	3.9	242.27	5897	1.50	87287	2 5 0		

NOTE
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SERIES C

SELECTION TABLES

GEARED MOTORS

3.0 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="text" value="1"/> Through <input type="text" value="20"/> Spaces to be filled when entering order	Weight of base mount unit	
5.9	160.55	4062	2.09	87299	C 1 0 4 1 1 6 0 _ M _ _ _ 3 . 0 C - -	378	132S
5.4	178.41	4494	1.84	87375	1 8 0		
4.3	222.38	5623	1.51	87299	2 1 2		
3.9	247.12	6221	1.33	87375	2 5 0		
3.5	274.67	6942	1.22	87299	2 8 0		
3.1	305.22	7680	1.08	87375	3 1 5		
2.7	358.77	9058	0.94	87299	3 6 0		
2.3	407.90	10293	0.82	87299	4 0 0		

4.0 kW

4 POLE

173	8.31	192	1.09	7440	C 0 5 2 1 8 . 0 _ M _ _ _ 4 . 0 A - -	49	112M
123	11.66	265	0.90	7440	1 1 .		
112	12.85	291	0.85	7440	1 2 .		
174	8.23	197	1.89	11851	C 0 6 2 1 8 . 0 _ M _ _ _ 4 . 0 A - -	65	112M
124	11.57	275	1.55	11801	1 1 .		
111	12.97	308	1.45	11801	1 2 .		
99	14.56	344	1.35	11721	1 4 .		
90	15.93	346	1.49	11790	1 6 .		
78	18.49	435	1.17	11651	1 8 .		
68	20.96	491	1.08	11651	2 0 .		
64	22.40	480	1.20	11651	2 2 .		
57	25.11	534	1.11	11651	2 5 .		
51	28.18	597	1.02	11600	2 8 .		
43	33.48	772	0.81	11400	3 2 .		
40	35.79	746	0.85	11500	3 6 .		
182	7.90	193	3.19	22778	C 0 7 2 1 8 . 0 _ M _ _ _ 4 . 0 A - -	109	112M
131	10.94	267	2.75	24347	1 1 .		
117	12.29	301	2.55	24965	1 2 .		
106	13.52	329	2.41	25604	1 4 .		
91	15.80	370	1.93	26865	1 6 .		
81	17.66	428	2.05	27300	1 8 .		
71	20.07	485	1.90	28147	2 0 .		
66	21.89	509	1.53	28520	2 2 .		
58	24.59	570	1.41	28622	2 5 .		
53	27.03	626	1.31	28792	2 8 .		
47	30.81	734	1.08	28256	3 2 .		
41	35.31	810	1.08	29090	3 6 .		
36	40.15	915	0.98	29090	4 0 .		
33	44.13	1039	0.84	28990	4 5 .		
92	15.54	369	3.76	34793	C 0 8 2 1 1 6 . _ M _ _ _ 4 . 0 A - -	152	112M
82	17.60	431	3.66	35596	1 8 .		
73	19.76	483	3.41	36798	2 0 .		
65	22.03	519	3.04	37796	2 2 .		
59	24.47	574	2.87	38426	2 5 .		
53	27.22	636	2.67	39040	2 8 .		
45	31.78	765	2.55	40031	3 2 .		
41	35.20	819	2.20	41000	3 6 .		
36	39.51	913	2.01	41143	4 0 .		
33	43.64	1040	2.09	40150	4 5 .		
29	49.26	1167	1.93	41353	5 0 .		
26	54.60	1247	1.57	41866	5 6 .		
23	63.56	1440	1.40	41832	6 3 .		
21	69.64	1628	1.53	41751	7 1 .		
19	76.50	1787	1.43	41701	8 0 .		
16	87.29	1951	1.09	41760	9 0 .		
15	98.53	2188	0.99	41800	1 0 0		
14	102.38	2368	1.17	41800	1 1 2		
12	117.89	2704	1.05	41700	1 2 5		
32	44.55	1071	3.76	53733	C 0 9 2 1 4 5 . _ M _ _ _ 4 . 0 A - -	215	112M
29	49.49	1189	3.44	53716	5 0 .		
21	69.91	1655	2.57	53682	7 1 .		
19	77.18	1827	2.35	53653	8 0 .		
15	93.18	2089	2.25	53624	9 0 .		
14	103.53	2311	2.10	53594	1 0 0		
14	106.17	2485	1.79	53618	1 1 2		
12	119.38	2779	1.62	53573	1 2 5		
10	146.23	3200	1.65	53528	1 4 0		
8.9	161.44	3521	1.54	53482	1 6 0		
6.5	222.08	4758	1.17	53338	2 1 2		
5.7	249.73	5306	1.05	53272	2 5 0		
9.0	159.68	3550	1.35	53383	C 0 9 4 1 1 6 0 _ M _ _ _ 4 . 0 A - -	243	112M
8.1	177.41	3927	1.23	53383	1 8 0		
6.4	224.51	4990	0.96	53383	2 1 2		
5.8	249.43	5519	0.87	53383	2 5 0		
16	91.32	2100	3.39	87400	C 1 0 2 1 9 0 . _ M _ _ _ 4 . 0 A - -	312	112M
14	101.47	2322	3.12	87385	1 0 0		
13	107.80	2551	3.39	87400	1 1 2		
12	115.82	2733	2.92	87400	1 2 5		
10	144.71	3260	2.38	87359	1 4 0		
8.6	166.73	3732	2.13	87338	1 6 0		
6.4	225.50	4974	1.68	87332	2 1 2		
5.9	242.27	5324	1.59	87332	2 5 0		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

4.0 kW 4 POLE	N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
	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	
	8.9	160.55	3596	2.36	87299	C 1 0 4 1 1 6 0 _ M _ _ _ _ 4 . 0 A - -	361	112M
	8.0	178.41	3976	2.08	87375	1 8 0		
	6.5	222.38	4979	1.70	87299	2 1 2		
	5.8	247.12	5507	1.51	87375	2 5 0		
	5.2	274.67	6149	1.38	87299	2 8 0		
	4.7	305.22	6800	1.22	87375	3 1 5		
	4.0	358.77	8027	1.06	87299	3 6 0		
	3.5	407.90	9123	0.93	87299	4 0 0		
	3.2	453.27	10090	0.82	87375	4 5 0		
	117	8.23	293	1.5	11787	C 0 6 2 1 8 . 0 _ M _ _ _ _ 4 . 0 C - -	86	132M
	83	11.57	408	1.22	11716	1 1 .		
	74	12.97	456	1.14	11646	1 2 .		
	66	14.56	510	1.06	11575	1 4 .		
	60	15.93	509	1.14	11646	1 6 .		
	52	18.49	643	0.91	11504	1 8 .		
	46	20.96	726	0.84	11433	2 0 .		
	43	22.40	703	0.89	11504	2 2 .		
	38	25.11	782	0.81	11433	2 5 .		
	122	7.90	288	2.13	24231	C 0 7 2 1 8 . 0 _ M _ _ _ _ 4 . 0 C - -	130	132M
	88	10.94	398	2.13	26142	1 1 .		
	78	12.29	446	2.01	26908	1 2 .		
	71	13.52	489	1.89	27541	1 4 .		
	61	15.80	550	1.45	28408	1 6 .		
	54	17.66	635	1.61	28158	1 8 .		
	48	20.07	716	1.48	28366	2 0 .		
	44	21.89	754	1.14	29075	2 2 .		
	39	24.59	843	1.04	29075	2 5 .		
	36	27.03	923	0.97	29075	2 8 .		
	87	11.01	405	3.83	33852	C 0 8 2 1 1 1 . _ M _ _ _ _ 4 . 0 C - -	173	132M
	78	12.24	447	3.60	34773	1 2 .		
	71	13.61	494	3.38	35768	1 4 .		
	62	15.54	549	2.95	37547	1 6 .		
	55	17.60	636	2.88	38300	1 8 .		
	49	19.76	714	2.67	39442	2 0 .		
	44	22.03	771	2.31	40636	2 2 .		
	39	24.47	853	2.13	40821	2 5 .		
	35	27.22	944	1.97	41525	2 8 .		
	30	31.78	1127	1.98	41358	3 2 .		
	27	35.20	1205	1.62	41858	3 6 .		
	24	39.51	1346	1.48	41816	4 0 .		
	22	43.64	1539	1.60	41798	4 5 .		
	19	49.26	1727	1.47	41696	5 0 .		
	18	54.60	1834	1.14	41775	5 6 .		
	15	63.56	2118	1.01	41712	6 3 .		
	14	69.64	2412	1.15	41616	7 1 .		
	13	76.50	2641	1.08	41616	8 0 .		
	22	44.55	1585	2.67	53704	C 0 9 2 1 4 5 . _ M _ _ _ _ 4 . 0 C - -	236	132M
	19	49.49	1760	2.44	53673	5 0 .		
	14	69.91	2453	1.81	53607	7 1 .		
	12	77.18	2702	1.66	53559	8 0 .		
	10	93.18	3064	1.71	53511	9 0 .		
	9.3	103.53	3388	1.59	53462	1 0 0		
	9.0	106.17	3680	1.25	53457	1 1 2		
	8.0	119.38	4105	1.13	53389	1 2 5		
	6.6	146.23	4698	1.19	53321	1 4 0		
	5.9	161.44	5166	1.08	53252	1 6 0		
	4.3	222.08	6975	0.80	53000	2 1 2		
	6.0	159.68	5319	0.90	53383	C 0 9 4 1 1 6 0 _ M _ _ _ _ 4 . 0 C - -	264	132M
	5.4	177.41	5885	0.82	53383	1 8 0		
	14	69.18	2448	3.53	87362	C 1 0 2 1 7 1 . _ M _ _ _ _ 4 . 0 C - -	333	132M
	12	79.71	2819	3.10	87400	8 0 .		
	11	91.32	3088	2.49	87373	9 0 .		
	9.5	101.47	3416	2.30	87347	1 0 0		
	8.9	107.80	3762	2.31	87400	1 1 2		
	8.3	115.82	4030	1.96	87400	1 2 5		
	6.6	144.71	4801	1.74	87316	1 4 0		
	5.8	166.73	5496	1.55	87275	1 6 0		
	4.3	225.50	7312	1.21	87212	2 1 2		
	4.0	242.27	7822	1.13	87212	2 5 0		
	6.0	160.55	5388	1.57	87299	C 1 0 4 1 1 6 0 _ M _ _ _ _ 4 . 0 C - -	382	132M
	5.4	178.41	5960	1.39	87375	1 8 0		
	4.3	222.38	7459	1.14	87299	2 1 2		
	3.9	247.12	8252	1.00	87375	2 5 0		
	3.5	274.67	9208	0.92	87299	2 8 0		
	3.1	305.22	10187	0.81	87375	3 1 5		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

5.5 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
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	
175	8.23	270	1.38	11786	C 0 6 2 1 8 . 0 _ M _ - _ - 5 . 5 A - -	82	132S
124	11.57	377	1.13	11715	1 1 .		
111	12.97	422	1.06	11715	1 2 .		
99	14.56	472	0.99	11600	1 4 .		
90	15.93	474	1.09	11700	1 6 .		
78	18.49	596	0.85	11500	1 8 .		
64	22.40	658	0.88	11500	2 2 .		
57	25.11	732	0.81	11500	2 5 .		
182	7.90	265	2.33	22426	C 0 7 2 1 8 . 0 _ M _ - _ - 5 . 5 A - -	126	132S
132	10.94	366	2.00	23887	1 1 .		
117	12.29	412	1.86	24437	1 2 .		
107	13.52	452	1.76	25025	1 4 .		
91	15.80	507	1.41	26337	1 6 .		
82	17.66	587	1.50	26550	1 8 .		
72	20.07	665	1.38	27269	2 0 .		
66	21.89	698	1.12	27954	2 2 .		
59	24.59	781	1.03	28141	2 5 .		
53	27.03	858	0.96	28452	2 8 .		
131	11.01	371	3.56	31175	C 0 8 2 1 1 1 . _ M _ - _ - 5 . 5 A - -	169	132S
118	12.24	413	3.34	31897	1 2 .		
106	13.61	457	3.12	32868	1 4 .		
93	15.54	506	2.74	34371	1 6 .		
82	17.60	591	2.67	35010	1 8 .		
73	19.76	662	2.49	36130	2 0 .		
65	22.03	711	2.22	37210	2 2 .		
59	24.47	787	2.09	37782	2 5 .		
53	27.22	871	1.95	38325	2 8 .		
45	31.78	1048	1.86	38975	3 2 .		
41	35.20	1122	1.60	40250	3 6 .		
36	39.51	1251	1.47	40512	4 0 .		
33	43.64	1425	1.52	39389	4 5 .		
29	49.26	1599	1.41	41116	5 0 .		
26	54.60	1709	1.15	41837	5 6 .		
23	63.56	1973	1.02	41775	6 3 .		
21	69.64	2231	1.12	41686	7 1 .		
19	76.50	2448	1.05	41615	8 0 .		
32	44.55	1468	2.74	53698	C 0 9 2 1 4 5 . _ M _ - _ - 5 . 5 A - -	232	132S
29	49.49	1629	2.51	53673	5 0 .		
21	69.91	2268	1.88	53622	7 1 .		
19	77.18	2504	1.72	53577	8 0 .		
15	93.18	2863	1.64	53533	9 0 .		
14	103.53	3167	1.53	53488	1 0 0		
14	106.17	3405	1.30	53525	1 1 2		
12	119.38	3808	1.18	53456	1 2 5		
10	146.23	4385	1.21	53387	1 4 0		
8.9	161.44	4825	1.12	53318	1 6 0		
6.5	222.08	6519	0.86	53100	2 1 2		
9.0	159.68	4865	0.98	53383	C 0 9 4 1 1 6 0 _ M _ - _ - 5 . 5 A - -	260	132S
8.1	177.41	5381	0.90	53383	1 8 0		
21	69.18	2272	3.34	85716	C 1 0 2 1 7 1 . _ M _ - _ - 5 . 5 A - -	329	132S
18	79.71	2606	2.94	86407	8 0 .		
16	91.32	2878	2.47	87400	9 0 .		
14	101.47	3182	2.28	87374	1 0 0		
13	107.80	3496	2.47	87400	1 1 2		
12	115.82	3745	2.13	87400	1 2 5		
10	144.71	4467	1.74	87325	1 4 0		
8.6	166.73	5114	1.56	87287	1 6 0		
6.4	225.50	6816	1.23	87275	2 1 2		
5.9	242.27	7295	1.16	87275	2 5 0		
9.0	160.55	4927	1.72	87299	C 1 0 4 1 1 6 0 _ M _ - _ - 5 . 5 A - -	378	132S
8.1	178.41	5449	1.52	87375	1 8 0		
6.5	222.38	6823	1.24	87299	2 1 2		
5.8	247.12	7545	1.10	87375	2 5 0		
5.2	274.67	8425	1.01	87299	2 8 0		
4.7	305.22	9318	0.89	87375	3 1 5		

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

5.5 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
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			
117	8.23	403	1.09	11700	C 0 6 2 1 8 . 0 _ M _ _ _ _ 5 . 5 C - -	86	132M		
83	11.57	561	0.89	11600	1 1 .				
74	12.97	627	0.83	11500	1 2 .				
60	15.93	700	0.83	11500	1 6 .				
122	7.90	396	1.55	23710	C 0 7 2 1 8 . 0 _ M _ _ _ _ 5 . 5 C - -	130	132M		
88	10.94	547	1.55	25447	1 1 .				
78	12.29	613	1.46	26133	1 2 .				
71	13.52	673	1.38	26666	1 4 .				
61	15.80	756	1.05	27933	1 6 .				
54	17.66	873	1.17	27533	1 8 .				
48	20.07	984	1.08	27866	2 0 .				
44	21.89	1037	0.83	29000	2 2 .				
124	7.77	391	3.16	30947	C 0 8 2 1 8 . 0 _ M _ _ _ _ 5 . 5 C - -			173	132M
87	11.01	557	2.78	33284	1 1 .				
78	12.24	614	2.62	34157	1 2 .				
71	13.61	680	2.45	35089	1 4 .				
62	15.54	755	2.15	36915	1 6 .				
55	17.60	875	2.09	37400	1 8 .				
49	19.76	981	1.95	38447	2 0 .				
44	22.03	1060	1.68	39878	2 2 .				
39	24.47	1173	1.55	40173	2 5 .				
35	27.22	1298	1.43	41300	2 8 .				
30	31.78	1550	1.44	41033	3 2 .				
27	35.20	1657	1.18	41833	3 6 .				
24	39.51	1851	1.07	41766	4 0 .				
22	43.64	2117	1.16	41756	4 5 .				
19	49.26	2375	1.07	41612	5 0 .				
18	54.60	2521	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 1 4 5 . _ M _ _ _ _ 5 . 5 C - -	236	132M		
19	49.49	2420	1.77	53614	5 0 .				
14	69.91	3372	1.32	53518	7 1 .				
12	77.18	3716	1.21	53448	8 0 .				
10	93.18	4213	1.24	53377	9 0 .				
9.3	103.53	4659	1.15	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 1 4 5 . _ M _ _ _ _ 5 . 5 C - -			333	132M
20	48.51	2395	3.47	86058	5 0 .				
14	69.18	3366	2.56	87340	7 1 .				
12	79.71	3876	2.25	87400	8 0 .				
11	91.32	4246	1.81	87357	9 0 .				
9.5	101.47	4697	1.67	87315	1 0 0				
8.9	107.80	5172	1.68	87400	1 1 2				
8.3	115.82	5542	1.43	87400	1 2 5				
6.6	144.71	6601	1.26	87266	1 4 0				
5.8	166.73	7558	1.13	87200	1 6 0				
4.3	225.50	10054	0.88	87100	2 1 2				
4.0	242.27	10756	0.82	87100	2 5 0				
6.0	160.55	7408	1.14	87299	C 1 0 4 1 1 6 0 _ M _ _ _ _ 5 . 5 C - -	382	132M		
5.4	178.41	8196	1.01	87375	1 8 0				
4.3	222.38	10256	0.83	87299	2 1 2				

7.5 kW

4 POLE

176	8.23	367	1.01	11700	C 0 6 2 1 8 . 0 _ M _ _ _ _ 7 . 5 A - -	86	132M		
125	11.57	513	0.83	11600	1 1 .				
183	7.90	360	1.71	21957	C 0 7 2 1 8 . 0 _ M _ _ _ _ 7 . 5 A - -	130	132M		
132	10.94	497	1.47	23273	1 1 .				
118	12.29	561	1.37	23732	1 2 .				
107	13.52	614	1.30	24252	1 4 .				
91	15.80	689	1.04	25632	1 6 .				
82	17.66	797	1.10	25550	1 8 .				
72	20.07	904	1.02	26100	2 0 .				
66	21.89	949	0.82	27200	2 2 .				
186	7.77	355	3.20	28647	C 0 8 2 1 8 . 0 _ M _ _ _ _ 7 . 5 A - -			173	132M
131	11.01	504	2.62	30675	1 1 .				
118	12.24	561	2.46	31350	1 2 .				
106	13.61	622	2.30	32243	1 4 .				
93	15.54	688	2.02	33809	1 6 .				
82	17.60	803	1.97	34229	1 8 .				
73	19.76	899	1.83	35239	2 0 .				
66	22.03	966	1.63	36429	2 2 .				
59	24.47	1070	1.54	36922	2 5 .				
53	27.22	1184	1.44	37370	2 8 .				
45	31.78	1424	1.37	37565	3 2 .				
41	35.20	1525	1.18	39250	3 6 .				
37	39.51	1701	1.08	39671	4 0 .				
33	43.64	1937	1.12	38375	4 5 .				
29	49.26	2173	1.04	40800	5 0 .				
26	54.60	2322	0.84	41800	5 6 .				
21	69.64	3032	0.82	41600	7 1 .				

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

7.5 kW

4 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit	
32	44.55	1995	2.02	53652	C 0 9 2 1 4 5 . _ M _ _ _ _ 7 . 5 A - -	236	132M
29	49.49	2214	1.85	53616	5 0 .		
21	69.91	3082	1.38	53541	7 1 .		
19	77.18	3402	1.26	53476	8 0 .		
16	93.18	3891	1.21	53412	9 0 .		
14	103.53	4304	1.13	53347	C 0 9 2 1 1 0 0 _ M _ _ _ _ 7 . 5 A - -	236	132M
14	106.17	4628	0.96	53400	1 1 2		
12	119.38	5174	0.87	53300	1 2 5		
10	146.23	5959	0.89	53200	1 4 0		
9.0	161.44	6557	0.83	53100	1 6 0		
33	43.65	1975	3.61	82939	C 1 0 2 1 4 5 . _ M _ _ _ _ 7 . 5 A - -	333	132M
30	48.51	2188	3.32	83701	5 0 .		
21	69.18	3087	2.46	84696	7 1 .		
18	79.71	3541	2.17	85806	8 0 .		
16	91.32	3911	1.82	87400	9 0 .		
14	101.47	4324	1.67	87358	1 0 0		
13	107.80	4751	1.82	87400	1 1 2		
12	115.82	5089	1.57	87400	1 2 5		
10	144.71	6070	1.28	87279	1 4 0		
8.7	166.73	6949	1.15	87219	1 6 0		
6.4	225.50	9263	0.90	87200	2 1 2		
6.0	242.27	9913	0.85	87200	2 5 0		
9.0	160.55	6696	1.27	87299	C 1 0 4 1 1 6 0 _ M _ _ _ _ 7 . 5 A - -	-382	132M
8.1	178.41	7404	1.12	87375	1 8 0		
6.5	222.38	9272	0.91	87299	2 1 2		
5.8	247.12	10254	0.81	87375	2 5 0		

7.5 kW

6 POLE

122	7.90	540	1.14	23015	C 0 7 2 1 8 . 0 _ M _ _ _ _ 7 . 5 C - -	159	160M
88	10.94	746	1.14	24521	1 1 .		
78	12.29	836	1.07	25100	1 2 .		
71	13.52	918	1.01	25500	1 4 .		
54	17.66	1191	0.86	26700	1 8 .		
124	7.77	534	2.32	30421	C 0 8 2 1 8 . 0 _ M _ _ _ _ 7 . 5 C - -	202	160M
87	11.01	759	2.04	32526	1 1 .		
78	12.24	838	1.92	33336	1 2 .		
71	13.61	927	1.80	34184	1 4 .		
62	15.54	1029	1.57	36073	1 6 .		
55	17.60	1193	1.53	36200	1 8 .		
49	19.76	1338	1.43	37121	2 0 .		
44	22.03	1446	1.23	38868	2 2 .		
39	24.47	1600	1.14	39310	2 5 .		
35	27.22	1770	1.05	41000	2 8 .		
30	31.78	2114	1.05	40600	3 2 .		
27	35.20	2260	0.86	41800	3 6 .		
22	43.64	2887	0.85	41700	4 5 .		
87	10.98	760	3.73	51500	C 0 9 2 1 1 1 . _ M _ _ _ _ 7 . 5 C - -	265	160M
78	12.30	850	3.49	52800	1 2 .		
70	13.81	952	3.25	53800	1 4 .		
58	16.68	1108	2.73	53800	1 6 .		
54	17.79	1220	2.79	53800	1 8 .		
48	19.88	1357	2.60	53800	2 0 .		
42	22.96	1513	2.25	53800	2 2 .		
37	25.73	1685	2.11	53800	2 5 .		
33	28.89	1887	1.96	53800	2 8 .		
31	31.43	2119	1.92	53800	3 2 .		
26	37.22	2398	1.68	53800	3 6 .		
23	41.59	2679	1.56	53700	4 0 .		
22	44.55	2971	1.43	53602	4 5 .		
19	49.49	3300	1.30	53536	5 0 .		
17	57.66	3647	1.27	53600	5 6 .		
15	65.74	4129	1.16	53500	6 3 .		
14	69.91	4599	0.97	53400	7 1 .		
12	77.18	5067	0.88	53300	8 0 .		
10	93.18	5745	0.91	53200	9 0 .		
9.3	103.53	6354	0.85	53100	1 0 0		
41	23.23	1554	3.84	79500	C 1 0 2 1 2 2 . _ M _ _ _ _ 7 . 5 C - -	362	160M
38	25.27	1682	3.61	81400	2 5 .		
33	28.70	1902	3.28	84200	2 8 .		
30	31.85	2167	3.40	85000	3 2 .		
26	37.38	2463	2.67	87400	3 6 .		
24	40.36	2642	2.52	87400	4 0 .		
22	43.65	2945	2.76	84964	4 5 .		
20	48.51	3267	2.55	85388	5 0 .		
16	58.85	3798	1.87	87400	5 6 .		
14	66.62	4303	1.68	87400	6 3 .		
14	69.18	4590	1.88	87311	7 1 .		
12	79.71	5286	1.65	87400	8 0 .		
11	91.32	5790	1.33	87336	9 0 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

	N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
	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			
7.5 kW 6 POLE	9.5	101.47	6405	1.22	87273	C 1 0 2 1 1 0 0 _ M _ - _ - 7 . 5 C - -	362	160M		
	8.9	107.80	7054	1.23	87400	1 1 2				
	8.3	115.82	7557	1.05	87400	1 2 5				
	6.6	144.71	9002	0.93	87200	1 4 0				
	5.8	166.73	10306	0.83	87100	1 6 0				
	6.0	160.55	10103	0.84	87299	C 1 0 4 1 1 6 0 _ M _ - _ - 7 . 5 C - -	411	160M		
11.0 kW 4 POLE	184	7.90	526	1.17	21137	C 0 7 2 1 8 . 0 _ M _ - _ - 1 1 . A - -	159	160M		
	132	10.94	727	1.01	22200	1 1 .				
	118	12.29	820	0.94	22500	1 2 .				
	107	13.52	898	0.89	22900	1 4 .				
	187	7.77	520	2.19	28018	C 0 8 2 1 8 . 0 _ M _ - _ - 1 1 . A - -			202	160M
	132	11.01	737	1.79	29800	1 1 .				
	119	12.24	820	1.68	30393	1 2 .				
	107	13.61	909	1.57	31150	1 4 .				
	93	15.54	1005	1.38	32825	1 6 .				
	82	17.60	1174	1.35	32862	1 8 .				
	73	19.76	1315	1.25	33681	2 0 .				
	66	22.03	1413	1.12	35062	2 2 .				
	59	24.47	1564	1.05	35418	2 5 .				
	53	27.22	1731	0.98	35700	2 8 .				
	46	31.78	2082	0.94	35100	3 2 .				
	41	35.20	2229	0.81	37500	3 6 .				
	182	7.97	539	3.93	44500	C 0 9 2 1 8 . 0 _ M _ - _ - 1 1 . A - -	265	160M		
	132	10.98	741	3.26	47600	1 1 .				
	118	12.30	831	3.05	48700	1 2 .				
	105	13.81	928	2.85	50100	1 4 .				
	87	16.68	1075	2.40	53100	1 6 .				
	81	17.79	1194	2.45	53300	1 8 .				
	73	19.88	1326	2.29	53800	2 0 .				
	63	22.96	1473	1.98	53800	2 2 .				
	56	25.73	1652	1.85	53800	2 5 .				
	50	28.89	1841	1.73	53800	2 8 .				
	46	31.43	2078	1.73	53800	3 2 .				
	39	37.22	2355	1.48	53800	3 6 .				
	35	41.59	2634	1.38	53700	4 0 .				
	33	44.55	2916	1.38	53572	4 5 .				
	29	49.49	3236	1.26	53515	5 0 .				
	25	57.66	3601	1.13	53600	5 6 .				
	22	65.74	4091	1.04	53500	6 3 .				
	21	69.91	4505	0.95	53400	7 1 .				
	19	77.18	4973	0.86	53300	8 0 .				
	16	93.18	5687	0.83	53200	9 0 .				
	62	23.23	1520	3.55	73000	C 1 0 2 1 2 2 . _ M _ - _ - 1 1 . A - -	362	160M		
	57	25.27	1651	3.35	74000	2 5 .				
	51	28.70	1869	3.05	75400	2 8 .				
	46	31.85	2126	3.01	75100	3 2 .				
	39	37.38	2424	2.50	79400	3 6 .				
	36	40.36	2601	2.36	81000	4 0 .				
	33	43.65	2887	2.47	80522	4 5 .				
	30	48.51	3198	2.27	81258	5 0 .				
	25	58.85	3753	1.76	87400	5 6 .				
	22	66.62	4231	1.60	87400	6 3 .				
21	69.18	4512	1.68	82911	7 1 .					
18	79.71	5176	1.48	84754	8 0 .					
16	91.32	5716	1.25	87400	9 0 .					
14	101.47	6320	1.15	87331	1 0 0					
13	107.80	6945	1.25	87400	1 1 2					
13	115.82	7438	1.07	87400	1 2 5					
10	144.71	8873	0.87	87200	1 4 0					
9.0	160.55	9787	0.87	87299	C 1 0 4 1 1 6 0 _ M _ - _ - 1 1 . A - -	411	160M			

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

11.0 kW

6 POLE

N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry <input type="checkbox"/> 1 Through <input type="checkbox"/> 20 Spaces to be filled when entering order	Weight of base mount unit	
124	7.77	779	1.59	29500	C 0 8 2 1 8 . 0 _ M _ _ _ 1 1 . C - -	216	160L
88	11.01	1108	1.40	31200	1 1 .		
79	12.24	1223	1.32	31900	1 2 .		
71	13.61	1353	1.23	32600	C 0 8 2 1 4 . _ M _ _ _ 1 1 . C - -	216	160L
62	15.54	1502	1.08	34600	1 6 .		
55	17.60	1741	1.05	34100	1 8 .		
49	19.76	1953	0.98	34800	2 0 .		
44	22.03	2110	0.84	37100	2 2 .		
121	7.97	807	3.11	47360	C 0 9 2 1 8 . 0 _ M _ _ _ 1 1 . C - -	279	160L
88	10.98	1109	2.56	50348	1 1 .		
78	12.30	1240	2.39	51508	1 2 .		
70	13.81	1390	2.23	52446	1 4 .		
58	16.68	1617	1.87	53510	1 6 .		
54	17.79	1780	1.91	52931	1 8 .		
49	19.88	1980	1.78	53124	2 0 .		
42	22.96	2208	1.54	53703	2 2 .		
37	25.73	2458	1.44	53704	2 5 .		
33	28.89	2754	1.34	53672	2 8 .		
31	31.43	3092	1.32	53640	3 2 .		
26	37.22	3500	1.15	53613	3 6 .		
23	41.59	3909	1.07	53513	4 0 .		
22	44.55	4336	0.98	53500	4 5 .		
19	49.49	4814	0.89	53400	5 0 .		
17	57.66	5321	0.87	53300	5 6 .		
70	13.72	1391	3.94	67833	C 1 0 2 1 4 . _ M _ _ _ 1 1 . C - -	376	160L
58	16.63	1635	3.38	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	2455	2.48	79860	2 5 .		
34	28.70	2775	2.25	82457	2 8 .		
30	31.85	3162	2.33	82340	3 2 .		
26	37.38	3594	1.83	85855	3 6 .		
24	40.36	3856	1.73	86144	4 0 .		
22	43.65	4297	1.89	83544	4 5 .		
20	48.51	4766	1.75	84214	5 0 .		
16	58.85	5541	1.28	87336	5 6 .		
14	66.62	6279	1.15	87353	6 3 .		
14	69.18	6697	1.29	87259	7 1 .		
12	79.71	7713	1.13	87400	8 0 .		
11	91.32	8448	0.91	87300	9 0 .		
10	101.47	9345	0.84	87200	1 0 0		

15.0 kW

4 POLE

184	7.90	716	0.86	20200	C 0 7 2 1 8 . 0 _ M _ _ _ 1 5 . A - -	173	160L
187	7.77	707	1.61	27300	C 0 8 2 1 8 . 0 _ M _ _ _ 1 5 . A - -	216	160L
132	11.01	1001	1.32	28800	1 1 .		
119	12.24	1115	1.24	29300	1 2 .		
107	13.61	1235	1.16	29900	1 4 .		
94	15.54	1366	1.02	31700	1 6 .		
83	17.60	1595	0.99	31300	1 8 .		
74	19.76	1787	0.92	31900	2 0 .		
66	22.03	1920	0.82	33500	2 2 .		
182	7.97	733	2.89	43852	C 0 9 2 1 8 . 0 _ M _ _ _ 1 5 . A - -	279	160L
133	10.98	1007	2.4	46717	1 1 .		
118	12.30	1130	2.25	47715	1 2 .		
105	13.81	1261	2.1	49007	1 4 .		
87	16.68	1460	1.77	52131	1 6 .		
82	17.79	1622	1.8	51889	1 8 .		
73	19.88	1803	1.69	52636	2 0 .		
63	22.96	2002	1.46	53727	2 2 .		
57	25.73	2245	1.36	53727	2 5 .		
50	28.89	2501	1.27	53727	2 8 .		
46	31.43	2824	1.27	53586	3 2 .		
39	37.22	3200	1.09	53640	3 6 .		
35	41.59	3579	1.02	53540	4 0 .		
33	44.55	3963	1.02	53480	4 5 .		
29	49.49	4398	0.93	53400	5 0 .		
25	57.66	4894	0.83	53400	5 6 .		
120	12.08	1116	3.99	60823	C 1 0 2 1 1 2 . _ M _ _ _ 1 5 . A - -	376	160L
106	13.72	1265	3.7	62817	1 4 .		
87	16.63	1482	3.19	66523	1 6 .		
81	17.87	1640	3.16	67047	1 8 .		
75	19.29	1766	3.02	68664	2 0 .		
63	23.23	2065	2.61	71917	2 2 .		
58	25.27	2244	2.47	72823	2 5 .		
51	28.70	2540	2.25	74061	2 8 .		
46	31.85	2890	2.21	73069	3 2 .		

NOTE
Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

<div style="border: 1px solid black; padding: 2px; display: inline-block;">15.0 kW</div> 4 POLE	N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes		
	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			
	39	37.38	3294	1.84	77673	C 1 0 2 1 3 6 . _ M _ - _ - _ 1 5 . A - -	376	160L		
	36	40.36	3535	1.74	79147	4 0 .				
	33	43.65	3923	1.82	77759	4 5 .				
	30	48.51	4347	1.67	78467	5 0 .				
	25	58.85	5100	1.30	85327	5 6 .				
	22	66.62	5750	1.18	85945	6 3 .				
	21	69.18	6132	1.24	80870	7 1 .				
	18	79.71	7034	1.09	83552	8 0 .				
	16	91.32	7768	0.92	87400	9 0 .				
	14	101.47	8589	0.84	87300	1 0 0				
	122	7.97	1095	2.29	46400	C 0 9 2 1 8 . 0 _ M _ - _ - _ 1 5 . C - -			365	180L
	88	10.98	1505	1.89	49033	1 1 .				
	79	12.30	1682	1.76	50033	1 2 .				
	70	13.81	1886	1.64	50900	1 4 .				
	58	16.68	2194	1.38	53179	1 6 .				
	55	17.79	2415	1.41	51937	1 8 .				
	49	19.88	2687	1.31	52351	2 0 .				
	42	22.96	2995	1.14	53593	2 2 .				
	38	25.73	3335	1.06	53595	2 5 .				
	34	28.89	3736	0.99	53527	2 8 .				
	31	31.43	4195	0.97	53459	3 2 .				
	26	37.22	4748	0.85	53400	3 6 .				
	122	7.95	1100	3.49	59266	C 1 0 2 1 8 . 0 _ M _ - _ - _ 1 5 . C - -	462	180L		
	87	11.11	1533	3.30	63366	1 1 .				
	80	12.08	1666	3.13	64500	1 2 .				
	71	13.72	1887	2.90	66500	1 4 .				
	58	16.63	2218	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	3330	1.83	78100	2 5 .				
	34	28.70	3765	1.66	80466	2 8 .				
	30	31.85	4290	1.72	79300	3 2 .				
	26	37.38	4876	1.35	84089	3 6 .				
	24	40.36	5231	1.27	84710	4 0 .				
	22	43.65	5830	1.39	81920	4 5 .				
	20	48.51	6466	1.29	82873	5 0 .				
	16	58.85	7518	0.94	87263	5 6 .				
	15	66.62	8518	0.85	87300	6 3 .				
	14	69.18	9086	0.95	87200	7 1 .				
	184	7.97	895	2.37	43286	C 0 9 2 1 8 . 0 _ M _ - _ - _ 1 8 . A - -	351	180M		
	134	10.98	1230	1.97	45945	1 1 .				
	119	12.30	1379	1.84	46853	1 2 .				
	106	13.81	1540	1.72	48051	1 4 .				
	88	16.68	1783	1.45	51284	1 6 .				
	83	17.79	1980	1.47	50655	1 8 .				
	74	19.88	2201	1.38	51618	2 0 .				
	64	22.96	2444	1.19	53663	2 2 .				
	57	25.73	2741	1.11	53663	2 5 .				
	51	28.89	3054	1.04	53663	2 8 .				
	47	31.43	3447	1.04	53400	3 2 .				
	39	37.22	3907	0.89	53500	3 6 .				
	35	41.59	4369	0.83	53400	4 0 .				
	33	44.55	4838	0.83	53400	4 5 .				
	132	11.11	1251	3.44	59054	C 1 0 2 1 1 1 . _ M _ - _ - _ 1 8 . A - -			448	180M
	122	12.08	1362	3.27	60144	1 2 .				
	107	13.72	1544	3.03	62045	1 4 .				
	88	16.63	1809	2.61	65844	1 6 .				
	82	17.87	2002	2.59	66038	1 8 .				
	76	19.29	2156	2.47	67583	2 0 .				
	63	23.23	2522	2.14	70970	2 2 .				
	58	25.27	2739	2.02	71794	2 5 .				
	51	28.70	3101	1.84	72890	2 8 .				
	46	31.85	3528	1.81	71292	3 2 .				
	39	37.38	4021	1.51	76163	3 6 .				
	36	40.36	4316	1.42	77526	4 0 .				

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

18.5 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 Sizes
34	43.65	4790	1.49	75342	C 1 0 2 1 4 5 . _ M _ - _ - _ 1 8 . A - -	448	180M
30	48.51	5306	1.37	76025	5 0 .		
25	58.85	6226	1.06	83513	5 6 .		
22	66.62	7019	0.96	84672	6 3 .		
21	69.18	7486	1.01	79085	7 1 .		
18	79.71	8586	0.89	82500	8 0 .		

18.5 kW

6 POLE

122	7.97	1344	1.87	45560	C 0 9 2 1 8 . 0 _ M _ - _ - _ 1 8 . C - -	423	200L		
89	10.98	1847	1.54	47882	1 1 .				
79	12.30	2064	1.44	48742	1 2 .				
71	13.81	2314	1.34	49546	1 4 .				
58	16.68	2692	1.13	52889	1 6 .				
55	17.79	2963	1.15	51068	1 8 .				
49	19.88	3297	1.07	51675	2 0 .				
42	22.96	3675	0.93	53496	2 2 .				
38	25.73	4092	0.87	53500	2 5 .				
34	28.89	4584	0.81	53400	2 8 .				
123	7.95	1350	2.84	58597	C 1 0 2 1 8 . 0 _ M _ - _ - _ 1 8 . C - -			522	200L
88	11.11	1881	2.69	62417	1 1 .				
81	12.08	2044	2.55	63473	1 2 .				
71	13.72	2316	2.37	65333	1 4 .				
59	16.63	2722	2.03	69673	1 6 .				
55	17.87	3001	2.01	69157	1 8 .				
51	19.29	3235	1.92	70666	2 0 .				
42	23.23	3775	1.58	75051	2 2 .				
39	25.27	4086	1.49	76560	2 5 .				
34	28.70	4620	1.35	78724	2 8 .				
31	31.85	5264	1.40	76640	3 2 .				
26	37.38	5983	1.10	82544	3 6 .				
24	40.36	6418	1.04	83455	4 0 .				

22.0 kW

4 POLE

184	7.97	1064	1.99	42720	C 0 9 2 1 8 . 0 _ M _ - _ - _ 2 2 . A - -	365	180L		
134	10.98	1462	1.65	45173	1 1 .				
119	12.30	1640	1.55	45992	1 2 .				
106	13.81	1831	1.45	47096	1 4 .				
88	16.68	2120	1.22	50436	1 6 .				
83	17.79	2355	1.24	49421	1 8 .				
74	19.88	2617	1.16	50600	2 0 .				
64	22.96	2906	1.00	53600	2 2 .				
57	25.73	3260	0.94	53600	2 5 .				
51	28.89	3632	0.88	53600	2 8 .				
185	7.95	1066	3.50	54676	C 1 0 2 1 8 . 0 _ M _ - _ - _ 2 2 . A - -			462	180L
132	11.11	1488	2.89	58426	1 1 .				
122	12.08	1620	2.75	59464	1 2 .				
107	13.72	1836	2.55	61273	1 4 .				
88	16.63	2151	2.20	65164	1 6 .				
82	17.87	2381	2.18	65029	1 8 .				
76	19.29	2564	2.08	66502	2 0 .				
63	23.23	2999	1.80	70023	2 2 .				
58	25.27	3258	1.70	70764	2 5 .				
51	28.70	3687	1.55	71719	2 8 .				
46	31.85	4195	1.53	69515	3 2 .				
39	37.38	4782	1.27	74652	3 6 .				
36	40.36	5133	1.20	75905	4 0 .				
34	43.65	5696	1.25	72925	4 5 .				
30	48.51	6310	1.15	73582	5 0 .				
25	58.85	7405	0.89	81700	5 6 .				
22	66.62	8347	0.81	83400	6 3 .				
21	69.18	8903	0.85	77300	7 1 .				

22.0 kW

6 POLE

122	7.97	1599	1.57	44720	C 0 9 2 1 8 . 0 _ M _ - _ - _ 2 2 . C - -	423	200L
89	10.98	2197	1.29	46731	1 1 .		
79	12.30	2455	1.21	47451	1 2 .		
71	13.81	2752	1.13	48193	1 4 .		
58	16.68	3201	0.95	52600	1 6 .		
55	17.79	3523	0.96	50200	1 8 .		
49	19.88	3921	0.90	51000	2 0 .		
123	7.95	1605	2.39	57928	C 1 0 2 1 8 . 0 _ M _ - _ - _ 2 2 . C - -		
88	11.11	2236	2.26	61468	1 1 .		
81	12.08	2431	2.15	62446	1 2 .		
71	13.72	2754	1.99	64166	1 4 .		
59	16.63	3237	1.71	68646	1 6 .		
55	17.87	3568	1.69	67648	1 8 .		
51	19.29	3848	1.61	69033	2 0 .		
42	23.23	4490	1.33	73635	2 2 .		
39	25.27	4859	1.25	75020	2 5 .		
34	28.70	5494	1.14	76982	2 8 .		
31	31.85	6260	1.18	73980	3 2 .		
26	37.38	7115	0.92	81000	3 6 .		
24	40.36	7633	0.87	82200	4 0 .		

NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

SELECTION TABLES

GEARED MOTORS

30.0 kW	N2 R/MIN	i	M2 Nm	Fm	N	Unit Designation	Kg	Motor Sizes
	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	
4 POLE	184	7.97	1452	1.46	41426	C 0 9 2 1 8 . 0 _ M _ _ _ 3 0 . A - -	423	200L
	134	10.98	1994	1.21	43408	1 1 .		
	119	12.30	2237	1.14	44023	1 2 .		
	106	13.81	2497	1.06	44911	1 4 .		
	88	16.68	2891	0.89	48500	1 6 .		
	83	17.79	3212	0.91	46600	1 8 .		
	185	7.95	1454	2.56	53641	C 1 0 2 1 8 . 0 _ M _ _ _ 3 0 . A - -	522	200L
	132	11.11	2029	2.12	56991	1 1 .		
	122	12.08	2209	2.01	57911	1 2 .		
	107	13.72	2504	1.87	59508	1 4 .		
	88	16.63	2934	1.61	63611	1 6 .		
	82	17.87	3247	1.60	62723	1 8 .		
	76	19.29	3497	1.52	64032	2 0 .		
	63	23.23	4089	1.32	67858	2 2 .		
	58	25.27	4442	1.25	68411	2 5 .		
	51	28.70	5028	1.14	69042	2 8 .		
	46	31.85	5721	1.12	65453	3 2 .		
	39	37.38	6520	0.93	71200	3 6 .		
	36	40.36	6999	0.88	72200	4 0 .		
30.0 kW	123	7.97	2169	1.16	42800	C 0 9 2 1 8 . 0 _ M _ _ _ 3 0 . C - -	513	225M
	89	10.98	2980	0.95	44100	1 1 .		
	80	12.30	3331	0.89	44500	1 2 .		
	71	13.81	3733	0.83	45100	1 4 .		
6 POLE	123	7.95	2178	1.76	56400	C 1 0 2 1 8 . 0 _ M _ _ _ 3 0 . C - -	612	225M
	88	11.11	3034	1.67	59300	1 1 .		
	81	12.08	3299	1.58	60100	1 2 .		
	71	13.72	3736	1.47	61500	1 4 .		
	59	16.63	4392	1.26	66300	1 6 .		
	55	17.87	4841	1.25	64200	1 8 .		
	51	19.29	5220	1.19	65300	2 0 .		
	42	23.23	6091	0.98	70400	2 2 .		
	39	25.27	6593	0.92	71500	2 5 .		
	34	28.70	7454	0.84	73000	2 8 .		
	31	31.85	8493	0.87	67900	3 2 .		
37.0 kW	185	7.97	1784	1.19	40294	C 0 9 2 1 8 . 0 _ M _ _ _ 3 7 . A - -	478	225S
	134	10.98	2451	0.99	41864	1 1 .		
	120	12.30	2749	0.92	42300	1 2 .		
	107	13.81	3069	0.86	43000	1 4 .		
4 POLE	186	7.95	1787	2.09	52735	C 1 0 2 1 8 . 0 _ M _ _ _ 3 7 . A - -	577	225S
	133	11.11	2494	1.72	55735	1 1 .		
	122	12.08	2715	1.64	56552	1 2 .		
	108	13.72	3078	1.52	57964	1 4 .		
	89	16.63	3606	1.31	62252	1 6 .		
	83	17.87	3991	1.30	60705	1 8 .		
	76	19.29	4298	1.24	61870	2 0 .		
	63	23.23	5026	1.07	65964	2 2 .		
	58	25.27	5460	1.01	66352	2 5 .		
	51	28.70	6181	0.92	66700	2 8 .		
	46	31.85	7032	0.91	61900	3 2 .		
37.0 kW	185	7.97	2170	0.98	39000	C 0 9 2 1 8 . 0 _ M _ _ _ 4 5 . A - -	513	225M
	134	10.98	2982	0.81	40100	1 1 .		
4 POLE	186	7.95	2173	1.72	51700	C 1 0 2 1 8 . 0 _ M _ _ _ 4 5 . A - -	612	225M
	133	11.11	3033	1.42	54300	1 1 .		
	122	12.08	3302	1.35	55000	1 2 .		
	108	13.72	3743	1.25	56200	1 4 .		
	89	16.63	4386	1.08	60700	1 6 .		
	83	17.87	4854	1.07	58400	1 8 .		
	76	19.29	5228	1.02	59400	2 0 .		
	63	23.23	6113	0.88	63800	2 2 .		
	58	25.27	6641	0.83	64000	2 5 .		

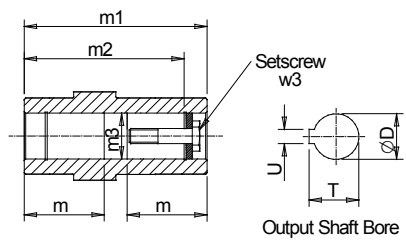
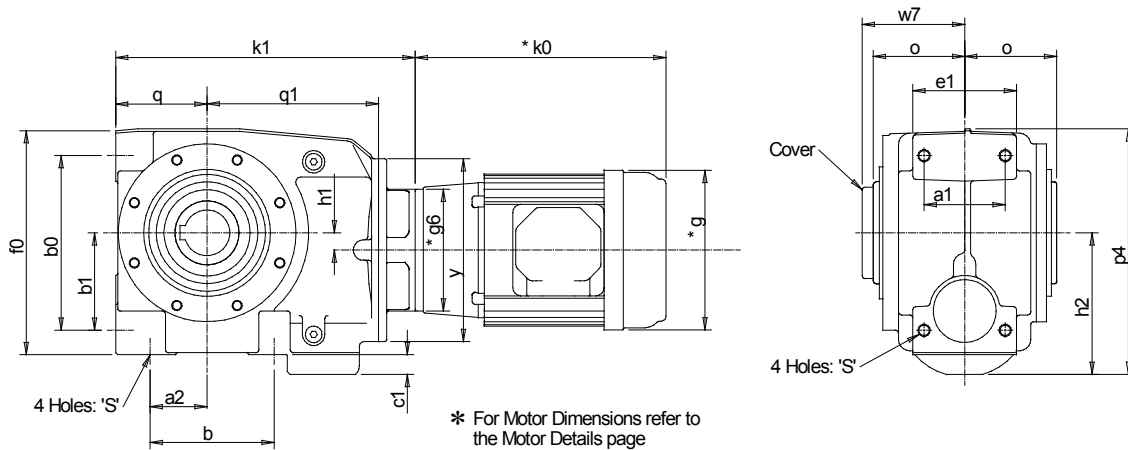
NOTE

Other output speeds are available using 2 and 8 pole motors - Please contact our Application Engineers

SERIES C

DIMENSIONS

DOUBLE REDUCTION



SIZE	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o	p4	q	q1
C0321	54	35	63	80	40	9	70	139	5.3	79.5	62	148	54	109
C0421	56	35	80	118	65	7	80	158	15	93	65	168	64	119
C0521	68	45	100	142	77	16	86	177	13	112	70	200	68	134
C0621	80	56	122	172	96	20	102	218	17	139.5	90	243	90	169

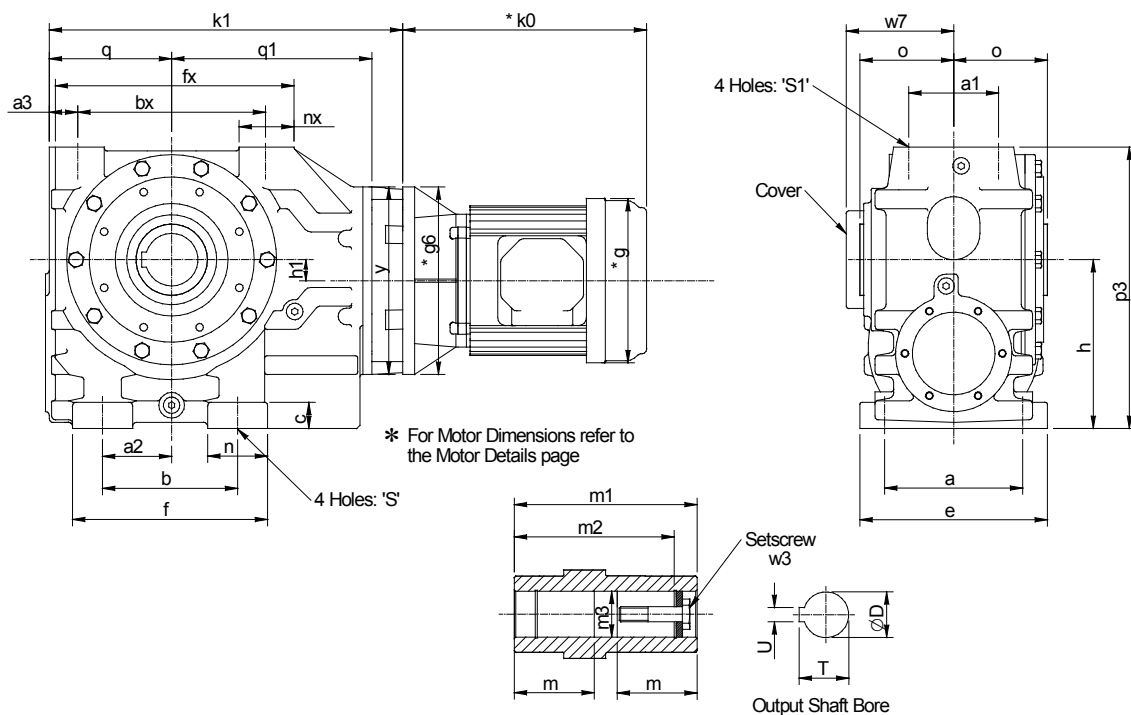
SIZE	s	w7	y	Hollow Output Bore							
				D	m	m1	m2	m3	T	U	w3
C0321	M8x1.25, 15 deep	70	140	20	52	124	104	20.2	22.9	6	M6x1.0, 40 long
C0421	M10x1.5, 20 deep	74.5	140	30	54	130	122	30.2	33.5	8	M10x1.5, 50 long
C0521	M10x1.5, 18 deep	79	140	35	56	140	127	35.3	38.5	10	M12x1.75, 55 long
C0621	M12x1.75, 20 deep	101	180	45	70	180	156	45.3	49	14	M16x2.0, 70 long

IEC Motor Frame Size	C0321	C0421	C0521	C0621
	k1	k1	k1	k1
63	197	217	236	271
71	201	221	240	277
80	214	234	253	295
90	224	244	263	305
100	232	252	271	332
112	232	252	271	332
132	-	-	-	332

SERIES C

DIMENSIONS

DOUBLE REDUCTION



SIZE	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	n	nx	o	p3	q	q1
C0721	150	100	75	35.5	135	215	28	185	202	280	180	26	67	63	109	302	143	220
C0821	200	120	92	43	180	250	35	250	260	326	225	28	80	71	125	375	168	255
C0921	250	135	115	50	235	290	40	305	320	380	280	40	85	85	150	457	195	300
C1021	300	150	170	62.5	310	345	45	360	420	460	335	65	110	107	175	565	235	355

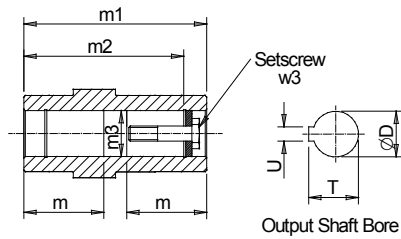
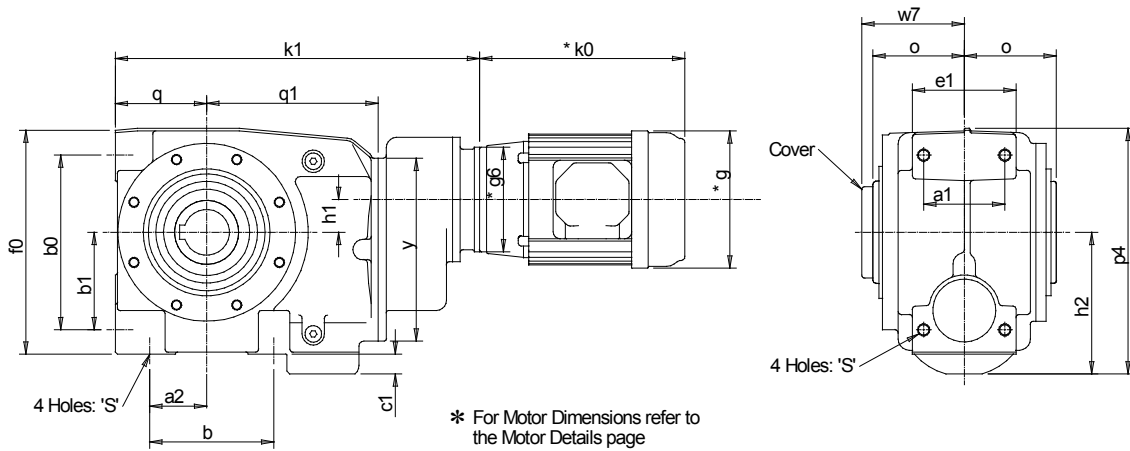
SIZE	s	s1	w7	y	Hollow Output Bore							
					D	m	m1	m2	m3	T	U	w3
C0721	18	M20x2.5, 34 deep	125	212	60	79	218	188	60.5	64.6	18	M20x2.5, 80 long
C0821	22	M20x2.5, 34 deep	143	250	70	90	250	220	70.5	75.1	20	M20x2.5, 80 long
C0921	26	M24x3, 45 deep	169	300	90	107.5	300	265	90.5	95.6	25	M24x3.0, 110 long
C1021	26	M24x3, 45 deep	198	360	100	132.5	350	313	100.5	106.6	28	M24x3.0, 110 long

IEC Motor Frame Size	C0721	C0821	C0921	C1021
	k1	k1	k1	k1
80	400	505	553	-
90	410	505	553	-
100	422	511	559	637
112	422	511	559	637
132	444	511	559	637
160	452	541	594	672
180	-	-	594	672
200	-	-	594	672
225	-	-	621	699

SERIES C

DIMENSIONS

TRIPLE REDUCTION



SIZE	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o	p4	q	q1
C0331	54	35	63	80	40	9	70	139	30.75	79.5	62	148	54	109
C0431	56	35	80	118	65	7	80	158	21.2	93	65	168	64	119
C0531	68	46	100	142	77	16	86	177	23	112	70	200	68	134
C0631	80	56	122	172	96	20	102	218	30	139.5	90	243	90	169

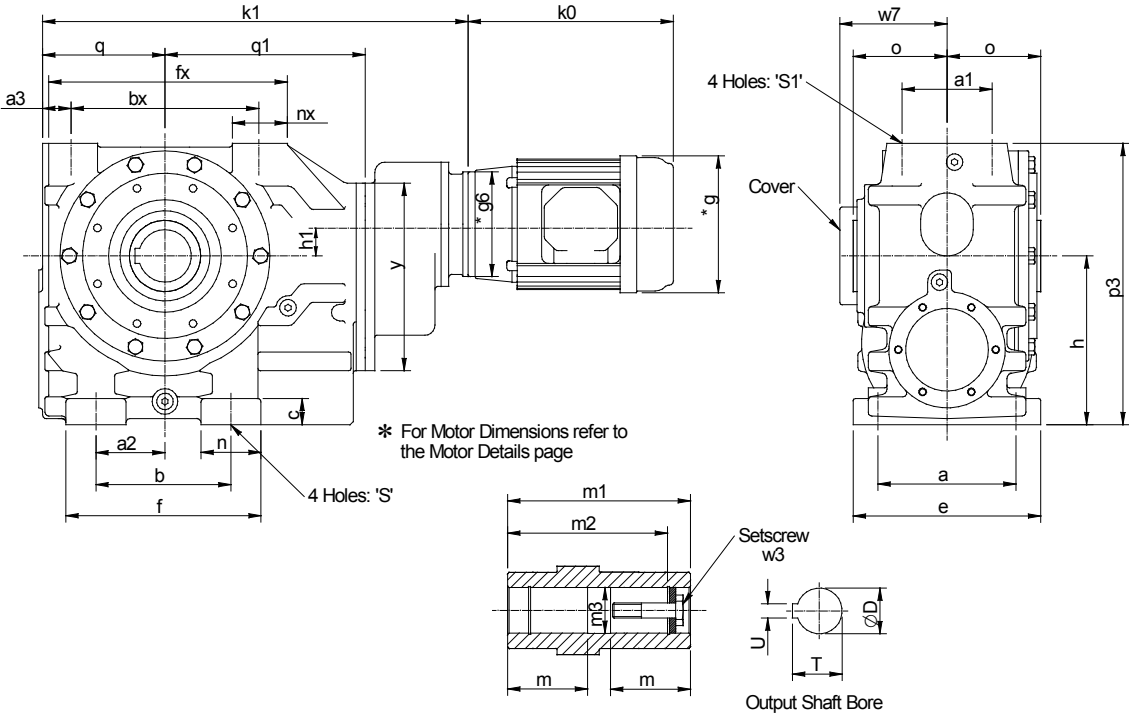
SIZE	s	w7	y	Hollow Output Bore							
				D	m	m1	m2	m3	T	U	w3
C0331	M8x1.25, 15 deep	70	140	20	52	124	104	20.2	22.9	6	M6x1.0, 40 long
C0431	M10x1.5, 18 deep	74.5	140	30	54	130	122	30.2	33.5	8	M10x1.5, 50 long
C0531	M10x1.5, 18 deep	79	140	35	56	140	127	35.3	38.5	10	M12x1.75, 55 long
C0631	M12x1.75, 20 deep	101	180	45	70	180	156	45.3	49	14	M16x2.0, 70 long

IEC Motor Frame Size	C0331	C0431	C0531	C0631
	k1	k1	k1	k1
63	253	273	292	359
71	257	277	296	363
80	270	290	309	376
90	280	300	319	386
100	288	308	327	394
112	288	308	327	394

SERIES C

DIMENSIONS

TRIPLE REDUCTION



SIZE	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	n	nx	o	p3	q	q1
C0731	150	100	75	35.5	135	215	28	185	202	280	180	34	67	63	109	302	143	220

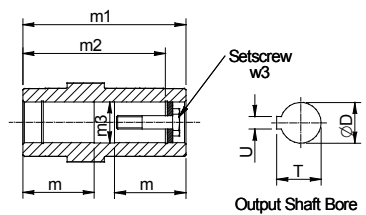
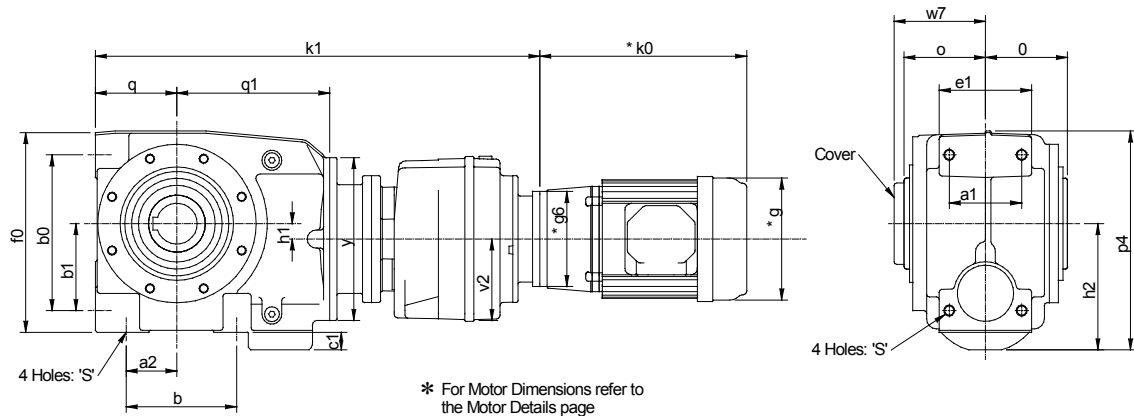
SIZE	s	s1	w7	y	Hollow Output Bore								
					D	m	m1	m2	m3	T	U	w3	
C0731	18	M20x2.5, 34 deep	125	212	60	79	218	188	60.5	64.6	18	M20x2.5, 80 long	

IEC Motor Frame Size	C0731
63	461
71	467
80	485
90	495
100	522
112	522
132	522

SERIES C

DIMENSIONS

QUADRUPLE REDUCTION



SIZE	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o	p4	q	q1
C0341	54	35	63	80	40	9	70	139	5.3	79.5	62	148	54	109
C0441	56	35	80	118	65	7	80	158	15	93	65	168	64	119
C0541	68	45	100	142	77	16	86	177	13	112	70	200	68	134
C0641	80	56	122	172	96	20	102	218	17	139.5	90	243	90	169

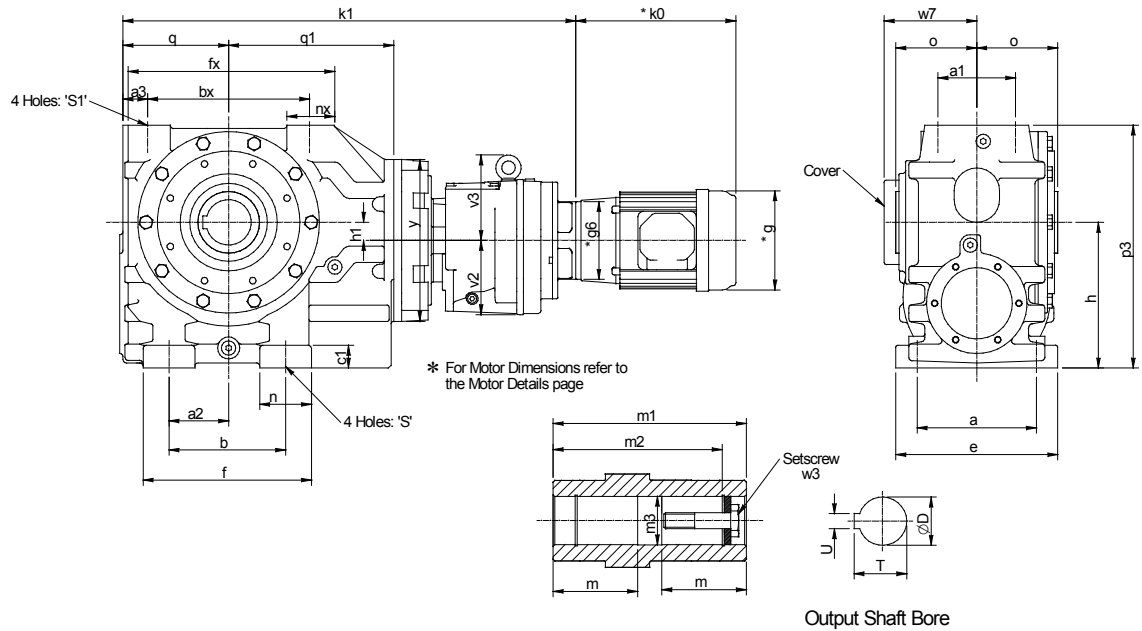
SIZE	s	v2	w7	y	Hollow Output Bore							
					D	m	m1	m2	m3	T	U	w3
C0341	M8x1.25, 15 deep	76	70	140	20	52	124	104	20.2	22.9	6	M6x1.0, 40 long
C0441	M10x1.5, 20 deep	76	74.5	140	30	54	130	122	30.2	33.5	8	M10x1.5, 50 long
C0541	M10x1.5, 18 deep	76	79	140	35	56	140	127	35.3	38.5	10	M12x1.75, 55 long
C0641	M12x1.75, 20 deep	91	101	180	45	70	180	156	45.3	49	14	M16x2.0, 70 long

IEC Motor Frame Size	C0341	C0441	C0541	C0641
	k1	k1	k1	k1
63	383	403	422	495
71	387	407	426	499
80	400	420	439	512
90	410	430	449	522
100	418	438	457	530
112	418	438	457	530

SERIES C

DIMENSIONS

QUADRUPLE REDUCTION



SIZE	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1		n x	o	p3	q	q1
C0741	150	100	75	35.5	135	215	28	185	202	280	180	26	67	63	109	302	143	220
C0841	200	120	92	43	180	250	35	250	260	326	225	28	80	71	125	375	168	255
C0941	250	135	115	50	235	290	40	305	320	380	280	40	85	85	150	457	195	300
C1041	300	150	170	62.5	310	345	45	360	420	460	335	65	110	107	175	565	235	355

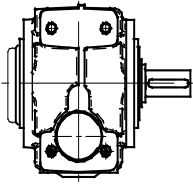
SIZE	s	s1	v2	v3	w7	y	Hollow Output Bore							
							D	m	m1	m2	m3	T	U	w3
C0741	18	M20x2.5, 34 deep	91	-	125	212	60	79	218	188	60.5	64.6	18	M20x2.5, 80 long
C0841	22	M20x2.5, 34 deep	115	-	143	250	70	90	250	220	70.5	75.1	20	M20x2.5, 80 long
C0941	26	M24x3, 45 deep	115	-	169	300	90	107.5	300	265	90.5	95.6	25	M24x3.0, 110 long
C1041	26	M24x3, 45 deep	140	155	198	360	100	132.5	350	313	100.5	106.6	28	M24x3.0, 110 long

IEC Motor Frame Size	C0741	C0841	C0941	C1041
	k1	k1	k1	k1
63	600	680	763	-
70	604	686	769	-
80	617	704	787	919
90	627	714	797	929
100	635	741	824	941
112	635	741	824	941
132	-	741	824	963
160	-	-	-	971

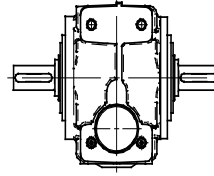
SERIES C

DIMENSIONS

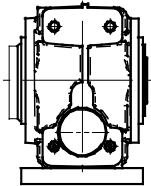
OUTPUT OPTIONS



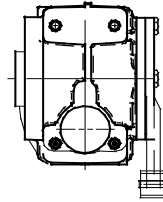
Single Extended Outputshaft



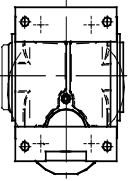
Double Extended Outputshaft



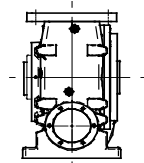
Base Mounted Feet



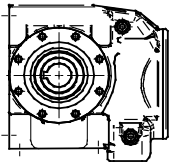
Torque Bracket



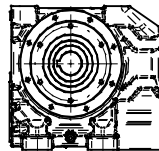
End Mounted Feet



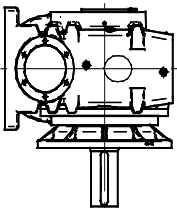
Top Mounted Feet



B14 (C) Flange Mounting



B5 (D) Flange Mounting



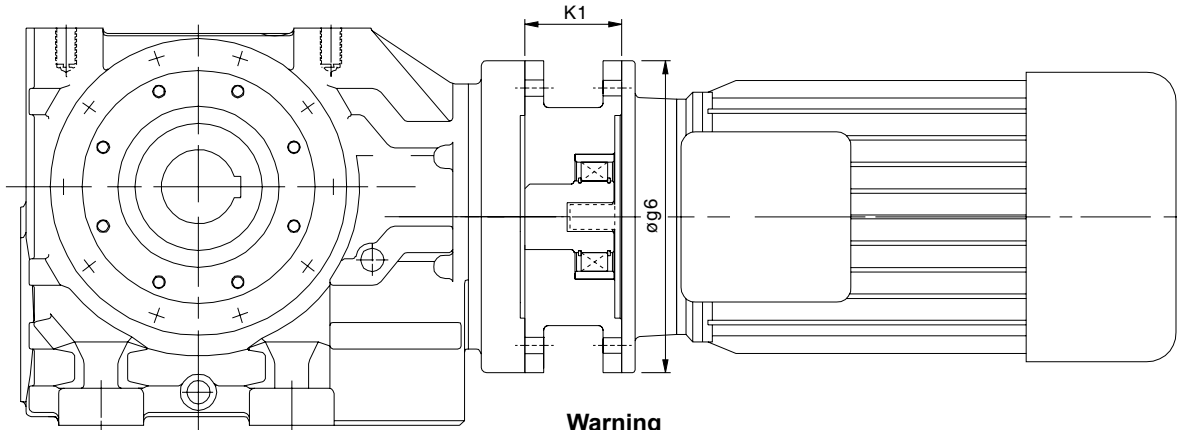
Agitator Units
Non-Standard
Special Build

SERIES C

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

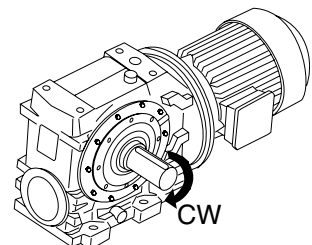
NEMA C FLANGE

Motor Frame Size	Lift off Speed ('n' min) (rev/min)	Rated Locking Torque ('T max') (at motor) (Nm)	øg6	K1
182TC / 184TC	670	300	228	95.25
213TC / 215TC	670	300	228	95.25
254TC / 256TC	620	940	228	120.65
284TC / 286TC	620	940	280	136.50
324TC / 326TC	550	1260	330	152.40

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

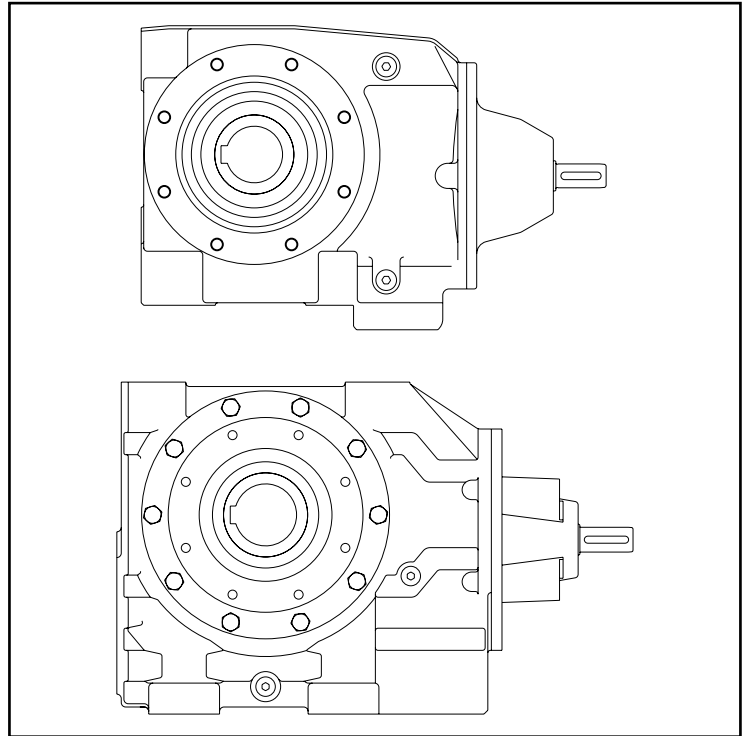
Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram) see page 21 for column 20 entry

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



SERIES C
NOTES

SERIES C
REDUCER



REDUCER

SERIES C

SERIES C

OVERHUNG & AXIAL LOADS (NEWTONS) ON SHAFTS

Maximum permissible overhung loads

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

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavourable direction with the unit transmitting full rated power and the load P applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to our Application Engineers for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life. All units will accept 100% momentary overload on stated capacities.

Overhung load (Newtons)

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

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

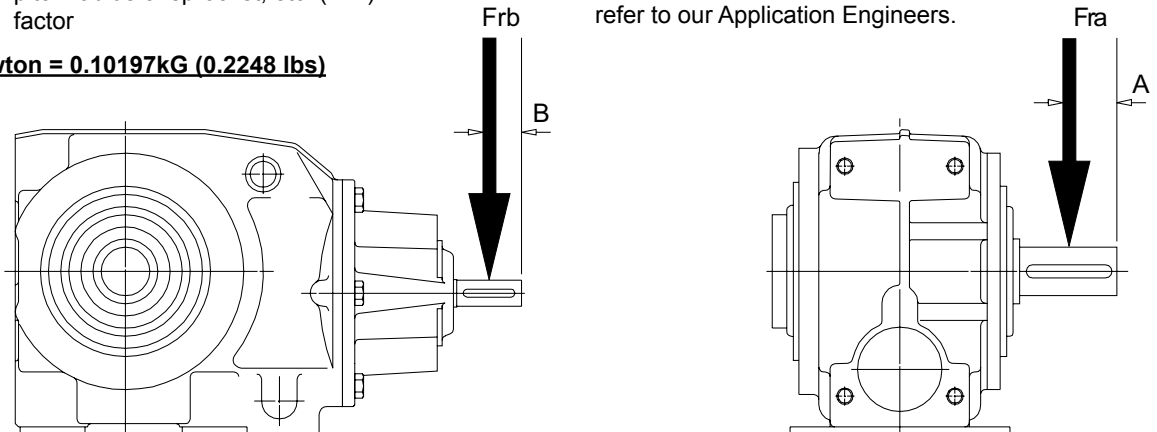
1 Newton = 0.10197kG (0.2248 lbs)

Overhung load

K (factor)

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

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



Distance midway along the shaft extension

Size of unit	No. of Reductions	Dimension A (mm)	Dimension B (mm)
C03	2 - 3	17.5	20
C04	2 - 3	23	20
C05	2 - 3	30	20
C06	2 - 5	31.5	20
C07	2	38	25
C07	3 - 5	38	20
C08	2	60	30
C08	4 - 5	60	20
C09	2	67.5	40
C09	4 - 5	67.5	20
C10	2	85	55
C10	4	85	25
C10	5	85	20

Inputshaft Overhung Loads, Frb (Kn) 1450 rpm - Two Three and Four Stage Units

	C03	C04	C05	C06	C07	C08	C09	C10
2 Stage	1.50	1.50	1.25	1.05	2.1	3.1	3.5	4.5
4 Stage	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.80

For output overhung load Fra consult ratings tables pages 22 to 62 and pages 73 to 93.

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

SERIES C

DOUBLE REDUCTION RATINGS

SIZES C03 - C04

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry [6][7][8]	Input Speed N1 (rpm)	C0321						C0421					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
[8][.][0]	2900	337	8.591	66	84	2.8	2.78	337	8.591	110	86	4.53	5.27
	1450	168		80	83	1.72	2.78	168		137	85	2.84	5.27
	960	111		88	83	1.26	2.78	111		150	84	2.09	5.27
	725	84		95	82	1.03	2.78	84		159	83	1.7	5.27
[1][1][.]	2900	249	11.61	74	84	2.33	2.78	249	11.61	125	86	3.81	5.27
	1450	124		87	83	1.39	2.78	124		149	84	2.31	5.27
	960	82		96	81	1.03	2.78	82		163	83	1.7	5.27
	725	62		102	80	0.83	2.78	62		172	82	1.37	5.27
[1][2][.]	2900	219	13.2	77	84	2.12	2.78	219	13.2	131	86	3.52	5.27
	1450	109		90	82	1.27	2.78	109		154	84	2.11	5.27
	960	72		99	81	0.932	2.78	72		167	82	1.55	5.27
	725	54		105	80	0.754	2.78	54		177	81	1.25	5.27
[1][4][.]	2900	193	14.95	79	83	1.95	2.78	193	14.95	136	85	3.24	5.27
	1450	96		93	82	1.16	2.78	96		159	83	1.94	5.27
	960	64		102	80	0.854	2.78	64		173	82	1.42	5.27
	725	48		109	80	0.69	2.78	48		183	81	1.15	5.27
[1][6][.]	2900	177	16.36	69	74	1.76	2.78	177	16.36	114	77	2.76	5.27
	1450	88		87	73	1.11	2.78	88		144	75	1.78	5.27
	960	58		96	71	0.829	2.78	58		158	73	1.33	5.27
	725	44		103	70	0.68	2.78	44		168	72	1.08	5.27
[1][8][.]	2900	151	19.12	84	83	1.63	2.78	151	19.12	145	85	2.72	5.27
	1450	75		99	81	0.973	2.78	75		168	82	1.62	5.27
	960	50		108	80	0.712	2.78	50		183	82	1.18	5.27
	725	37		115	79	0.576	2.78	37		194	80	0.958	5.27
[2][0][.]	2900	140	20.61	86	83	1.55	2.78	140	20.61	148	84	2.59	5.27
	1450	70		101	81	0.923	2.78	70		171	82	1.54	5.27
	960	46		110	79	0.676	2.78	46		187	81	1.13	5.27
	725	35		117	79	0.546	2.78	35		198	80	0.91	5.27
[2][2][.]	2900	131	22.11	79	74	1.48	2.78	131	22.11	129	76	2.32	5.27
	1450	65		94	72	0.908	2.78	65		156	74	1.45	5.27
	960	43		104	70	0.677	2.78	43		170	72	1.08	5.27
	725	32		111	69	0.552	2.78	32		181	71	0.881	5.27
[2][5][.]	2900	115	25.14	82	73	1.37	2.78	115	25.14	135	76	2.15	5.27
	1450	57		97	71	0.831	2.78	57		161	73	1.33	5.27
	960	38		107	69	0.618	2.78	38		175	71	0.986	5.27
	725	28		114	68	0.504	2.78	28		186	70	0.805	5.27
[2][8][.]	2900	101	28.48	85	73	1.26	2.78	101	28.48	142	75	2.01	5.27
	1450	50		101	70	0.765	2.78	50		167	72	1.23	5.27
	960	33		111	69	0.568	2.78	33		181	71	0.906	5.27
	725	25		118	68	0.463	2.78	25		192	69	0.739	5.27
[3][2][.]	2900	86	33.71	98	81	1.09	2.78	86	33.71	167	83	1.82	5.27
	1450	43		113	79	0.644	2.78	43		192	80	1.08	5.27
	960	28		125	78	0.476	2.78	28		209	79	0.787	5.27
	725	21		137	78	0.398	2.78	21		207	78	0.595	5.27
[3][6][.]	2900	79	36.43	91	72	1.06	2.78	79	36.43	152	75	1.7	5.27
	1450	39		107	69	0.645	2.78	39		176	71	1.03	5.27
	960	26		117	68	0.478	2.78	26		192	69	0.763	5.27
	725	19		125	67	0.389	2.78	19		203	68	0.623	5.27
[4][0][.]	2900	73	39.26	93	72	1.01	2.78	73	39.26	155	74	1.62	5.27
	1450	36		110	69	0.614	2.78	36		179	71	0.979	5.27
	960	24		120	68	0.454	2.78	24		196	69	0.727	5.27
	725	18		127	66	0.37	2.78	18		208	68	0.592	5.27
[4][5][.]	2900	63	45.5	105	80	0.877	2.78	63	45.5	179	82	1.46	5.27
	1450	31		122	79	0.518	2.78	31		206	79	0.867	5.27
	960	21		138	77	0.395	2.78	21		207	78	0.585	5.27
	725	15		149	76	0.326	2.78	15		205	77	0.442	5.27

SERIES C

DOUBLE REDUCTION RATINGS SIZES C03 - C04

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry [6][7][8]	Input Speed N1 (rpm)	C0321						C0421					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
[5][0][.]	2900	54	53.31	109	80	0.78	2.78	54	53.31	185	81	1.3	5.27
	1450	27		127	78	0.464	2.78	27		209	79	0.756	5.27
	960	18		145	77	0.357	2.78	18		206	78	0.5	5.27
	725	13		149	76	0.28	2.78	13		204	77	0.378	5.27
[5][6][.]	2900	51	56.19	104	70	0.798	2.78	51	56.19	171	72	1.28	5.27
	1450	25		120	68	0.479	2.78	25		196	69	0.766	5.27
	960	17		131	66	0.354	2.78	17		213	67	0.567	5.27
	725	12		141	65	0.293	2.78	12		227	66	0.464	5.27
[6][3][.]	2900	45	64.21	107	70	0.726	2.78	45	64.21	176	72	1.16	5.27
	1450	22		124	67	0.437	2.78	22		202	68	0.699	5.27
	960	14		135	65	0.323	2.78	14		220	67	0.517	5.27
	725	11		147	64	0.27	2.78	11		238	66	0.428	5.27
[7][1][.]	2900	38	74.55	124	78	0.644	2.78	38	74.55	211	80	1.08	5.27
	1450	19		143	76	0.381	2.78	19		206	77	0.542	5.27
	960	12		149	76	0.266	2.78	12		203	76	0.359	5.27
	725	9		149	75	0.203	2.78	9		201	76	0.271	5.27
[8][0][.]	2900	35	82.83	127	78	0.595	2.78	35	82.83	197	79	0.911	5.27
	1450	17		147	76	0.353	2.78	17		192	77	0.456	5.27
	960	11		149	75	0.241	2.78	11		189	76	0.302	5.27
	725	8		149	75	0.183	2.78	8		187	75	0.228	5.27
[9][0][.]	2900	33	86.67	121	69	0.618	2.78	33	86.67	199	70	0.994	5.27
	1450	16		139	66	0.37	2.78	16		227	67	0.592	5.27
	960	11		149	64	0.27	2.78	11		247	65	0.438	5.27
	725	8		149	63	0.207	2.78	8		263	64	0.358	5.27
[1][0][0]	2900	28	101.5	124	68	0.547	2.78	28	101.5	204	69	0.879	5.27
	1450	14		143	65	0.329	2.78	14		234	66	0.528	5.27
	960	9		149	63	0.233	2.78	9		255	65	0.39	5.27
	725	7		149	63	0.178	2.78	7		277	64	0.325	5.27
[1][1][2]	2900	25	114.3	132	77	0.456	2.78	25	114.3	134	78	0.456	5.27
	1450	12		129	75	0.228	2.78	12		130	76	0.228	5.27
	960	8		128	75	0.151	2.78	8		129	75	0.151	5.27
	725	6		127	74	0.114	2.78	6		127	74	0.114	5.27
[1][2][5]	2900	22	129.9	130	77	0.395	2.78	22	129.9	131	78	0.395	5.27
	1450	11		127	75	0.197	2.78	11		128	76	0.197	5.27
	960	7		125	74	0.131	2.78	7		126	74	0.131	5.27
	725	5		124	73	0.099	2.78	5		125	74	0.099	5.27
[1][4][0]	2900	20	142	133	66	0.431	2.78	20	142	218	68	0.69	5.27
	1450	10		149	63	0.251	2.78	10		252	65	0.416	5.27
	960	6		149	62	0.17	2.78	6		278	63	0.311	5.27
	725	5		149	61	0.13	2.78	5		278	62	0.238	5.27
[1][6][0]	2900	18	157.8	136	66	0.399	2.78	18	157.8	223	67	0.639	5.27
	1450	9		149	63	0.228	2.78	9		257	64	0.385	5.27
	960	6		149	62	0.154	2.78	6		278	63	0.282	5.27
	725	4		149	61	0.118	2.78	4		278	62	0.216	5.27
[2][1][2]	2900	13	217.8	146	65	0.315	2.78	13	217.8	214	65	0.456	5.27
	1450	6		149	62	0.168	2.78	6		206	63	0.228	5.27
	960	4		149	61	0.113	2.78	4		201	61	0.151	5.27
	725	3		149	60	0.087	2.78	3		198	61	0.114	5.27
[2][5][0]	2900	11	247.5	149	64	0.287	2.78	11	247.5	209	65	0.395	5.27
	1450	5		149	61	0.149	2.78	5		201	63	0.197	5.27
	960	3		149	60	0.101	2.78	3		196	61	0.131	5.27
	725	2		149	59	0.077	2.78	2		194	60	0.099	5.27
[][][]													

SERIES C

DOUBLE REDUCTION RATINGS

SIZES C05 - C06

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥ ⑦ ⑧	Input Speed N1 (rpm)	C0521						C0621					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
⑧ ① ① ①	2900	348	8.312	154	88	6.42	7.41	352	8.232	273	89	11.3	11.4
	1450	174		209	87	4.39	7.41	176		372	90	7.62	11.4
	960	115		243	85	3.44	7.41	116		439	90	5.99	11.4
	725	87		241	85	2.59	7.41	88		487	89	5.05	11.4
① ① ① ①	2900	248	11.66	179	87	5.35	7.41	250	11.57	319	90	9.34	11.4
	1450	124		238	86	3.62	7.41	125		427	89	6.26	11.4
	960	82		277	85	2.82	7.41	82		498	89	4.88	11.4
	725	62		306	84	2.37	7.41	62		550	88	4.1	11.4
① ② ① ①	2900	225	12.85	187	87	5.08	7.41	223	12.97	336	90	8.76	11.4
	1450	112		247	85	3.42	7.41	111		446	89	5.85	11.4
	960	74		287	84	2.66	7.41	74		519	88	4.55	11.4
	725	56		316	84	2.23	7.41	55		572	88	3.82	11.4
① ④ ① ①	2900	198	14.59	197	87	4.74	7.41	199	14.56	353	90	8.21	11.4
	1450	99		259	85	3.17	7.41	99		466	89	5.46	11.4
	960	65		300	84	2.46	7.41	65		540	88	4.23	11.4
	725	49		329	83	2.06	7.41	49		595	87	3.55	11.4
① ⑥ ① ①	2900	180	16.09	250	81	5.84	7.41	182	15.93	389	82	9.06	11.4
	1450	90		320	78	3.86	7.41	91		517	82	6.03	11.4
	960	59		348	76	2.86	7.41	60		582	80	4.57	11.4
	725	45		367	75	2.32	7.41	45		613	79	3.69	11.4
① ⑧ ① ①	2900	156	18.53	218	86	4.14	7.41	156	18.49	390	89	7.17	11.4
	1450	78		282	84	2.74	7.41	78		508	88	4.72	11.4
	960	51		325	83	2.12	7.41	51		587	87	3.65	11.4
	725	39		355	82	1.77	7.41	39		644	87	3.05	11.4
② ① ① ①	2900	137	21.05	229	86	3.85	7.41	138	20.96	410	89	6.66	11.4
	1450	68		295	84	2.54	7.41	69		531	88	4.37	11.4
	960	45		338	82	1.96	7.41	45		612	87	3.37	11.4
	725	34		370	82	1.63	7.41	34		670	86	2.81	11.4
② ② ① ①	2900	128	22.56	287	79	4.86	7.41	129	22.4	450	82	7.44	11.4
	1450	64		345	77	3.03	7.41	64		579	81	4.87	11.4
	960	42		372	74	2.23	7.41	42		624	79	3.55	11.4
	725	32		393	73	1.81	7.41	32		655	78	2.86	11.4
② ⑤ ① ①	2900	116	24.86	298	79	4.6	7.41	115	25.11	471	82	6.97	11.4
	1450	58		352	76	2.83	7.41	57		594	80	4.49	11.4
	960	38		380	74	2.08	7.41	38		636	78	3.25	11.4
	725	29		401	72	1.69	7.41	28		671	77	2.64	11.4
② ⑧ ① ①	2900	102	28.24	311	79	4.25	7.41	102	28.18	493	81	6.52	11.4
	1450	51		362	75	2.59	7.41	51		611	80	4.13	11.4
	960	33		389	73	1.89	7.41	34		652	78	2.99	11.4
	725	25		411	72	1.54	7.41	25		688	77	2.42	11.4
③ ② ① ①	2900	89	32.55	270	85	2.98	7.41	86	33.48	490	88	5.04	11.4
	1450	44		341	82	1.93	7.41	43		623	87	3.26	11.4
	960	29		387	81	1.47	7.41	28		709	86	2.48	11.4
	725	22		408	81	1.18	7.41	21		766	85	2.05	11.4
③ ⑥ ① ①	2900	80	35.86	331	77	3.62	7.41	81	35.79	541	81	5.67	11.4
	1450	40		378	74	2.16	7.41	40		637	78	3.45	11.4
	960	26		409	72	1.59	7.41	26		686	76	2.52	11.4
	725	20		431	71	1.29	7.41	20		724	75	2.04	11.4
④ ① ① ①	2900	71	40.74	341	77	3.32	7.41	71	40.57	567	81	5.27	11.4
	1450	35		388	73	1.97	7.41	35		651	78	3.13	11.4
	960	23		420	71	1.45	7.41	23		705	76	2.3	11.4
	725	17		443	70	1.18	7.41	17		743	75	1.86	11.4
④ ⑤ ① ①	2900	61	46.84	306	83	2.38	7.41	61	47.32	554	87	4.07	11.4
	1450	30		382	81	1.52	7.41	30		695	86	2.6	11.4
	960	20		406	80	1.09	7.41	20		766	85	1.92	11.4
	725	15		402	79	0.823	7.41	15		766	84	1.47	11.4

SERIES C

DOUBLE REDUCTION RATINGS SIZES C05 - C06

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry [6][7][8]	Input Speed N1 (rpm)	C0521						C0621					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
[5][0][.]	2900	56	50.93	315	83	2.26	7.41	57	50.52	567	87	3.91	11.4
	1450	28		391	81	1.44	7.41	28		709	86	2.49	11.4
	960	18		405	80	1	7.41	19		766	84	1.81	11.4
	725	14		401	79	0.758	7.41	14		766	83	1.38	11.4
[5][6][.]	2900	52	55.45	368	75	2.68	7.41	52	55.71	623	79	4.28	11.4
	1450	26		415	72	1.58	7.41	26		698	76	2.49	11.4
	960	17		449	70	1.16	7.41	17		755	74	1.83	11.4
	725	13		474	69	0.944	7.41	13		766	73	1.43	11.4
[6][3][.]	2900	46	63	378	74	2.45	7.41	44	64.8	642	79	3.83	11.4
	1450	23		427	71	1.45	7.41	22		721	75	2.24	11.4
	960	15		461	69	1.06	7.41	14		766	73	1.62	11.4
	725	11		482	68	0.853	7.41	11		766	72	1.24	11.4
[7][1][.]	2900	39	73.37	354	81	1.8	7.41	39	73.92	644	86	3.07	11.4
	1450	19		406	79	1.06	7.41	19		766	84	1.87	11.4
	960	13		400	78	0.699	7.41	12		766	83	1.25	11.4
	725	9		396	78	0.528	7.41	9		766	82	0.956	11.4
[8][0][.]	2900	35	82.67	367	81	1.67	7.41	35	80.94	663	86	2.9	11.4
	1450	17		404	79	0.939	7.41	17		766	84	1.71	11.4
	960	11		398	78	0.621	7.41	11		766	83	1.15	11.4
	725	8		395	77	0.469	7.41	8		766	82	0.876	11.4
[9][0][.]	2900	31	90.67	424	72	1.96	7.41	31	91.58	720	77	3.1	11.4
	1450	15		478	70	1.15	7.41	15		766	74	1.72	11.4
	960	10		482	68	0.791	7.41	10		766	72	1.17	11.4
	725	7		482	66	0.607	7.41	7		766	70	0.901	11.4
[1][0][0]	2900	29	98.57	429	72	1.84	7.41	29	97.78	726	77	2.94	11.4
	1450	14		482	69	1.08	7.41	14		766	73	1.62	11.4
	960	9		482	67	0.732	7.41	9		766	72	1.1	11.4
	725	7		482	66	0.562	7.41	7		766	70	0.848	11.4
[1][1][2]	2900	26	109.1	399	81	1.38	7.41	26	110.6	728	85	2.36	11.4
	1450	13		393	78	0.698	7.41	13		748	83	1.24	11.4
	960	8		388	77	0.462	7.41	8		739	82	0.822	11.4
	725	6		384	77	0.349	7.41	6		733	81	0.621	11.4
[1][2][5]	2900	23	124	391	80	1.2	7.41	23	124	541	84	1.58	11.4
	1450	11		386	78	0.607	7.41	11		530	82	0.79	11.4
	960	7		381	77	0.402	7.41	7		523	81	0.523	11.4
	725	5		378	76	0.304	7.41	5		519	80	0.395	11.4
[1][4][0]	2900	20	142	455	70	1.39	7.41	20	143.1	766	75	2.18	11.4
	1450	10		482	67	0.768	7.41	10		766	71	1.14	11.4
	960	6		482	65	0.521	7.41	6		766	69	0.775	11.4
	725	5		482	65	0.399	7.41	5		766	68	0.595	11.4
[1][6][0]	2900	18	160	466	70	1.27	7.41	18	156.7	766	74	2.01	11.4
	1450	9		482	67	0.687	7.41	9		766	71	1.05	11.4
	960	6		482	65	0.466	7.41	6		766	69	0.712	11.4
	725	4		482	64	0.357	7.41	4		766	68	0.547	11.4
[2][1][2]	2900	13	211.1	482	68	1.02	7.41	13	214	766	72	1.5	11.4
	1450	6		482	66	0.529	7.41	6		766	69	0.785	11.4
	960	4		482	64	0.358	7.41	4		766	68	0.533	11.4
	725	3		482	63	0.274	7.41	3		766	66	0.409	11.4
[2][5][0]	2900	12	240	482	68	0.903	7.41	12	240	766	72	1.35	11.4
	1450	6		482	65	0.47	7.41	6		766	69	0.706	11.4
	960	4		482	63	0.318	7.41	4		766	67	0.479	11.4
	725	3		482	63	0.243	7.41	3		766	66	0.368	11.4
[][][]													

SERIES C

DOUBLE REDUCTION RATINGS SIZES C07 - C08

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥ ⑦ ⑧	Input Speed N1 (rpm)	C0721						C0821					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
⑧ ① ① ①	2900	367	7.901	468	91	19.7	0	373	7.77	828	91	35.4	0
	1450	183		618	92	12.9	20.7	186		977	92	20.7	26.3
	960	121		615	92	8.53	22.7	123		974	92	13.7	28.8
	725	91		612	91	6.44	24.8	93		970	92	10.3	31.6
① ① ① ①	2900	264	10.94	546	92	16.5	0	263	11.01	978	92	29.3	0
	1450	132		734	92	11.1	22.1	131		1320	92	19.7	27.7
	960	87		849	91	8.53	24	87		1380	92	13.7	30.2
	725	66		843	91	6.44	25.3	65		1370	92	10.3	34.5
① ② ① ①	2900	235	12.29	576	92	15.5	0	237	12.24	1030	92	27.7	0
	1450	117		768	92	10.3	22.7	118		1380	93	18.5	28.3
	960	78		896	91	8.03	24.8	78		1530	92	13.7	30.8
	725	58		944	91	6.44	26.9	59		1520	92	10.3	34.2
① ④ ① ①	2900	214	13.52	600	92	14.7	0	213	13.61	1080	92	26.1	0
	1450	107		796	92	9.75	23.4	106		1430	92	17.3	29.2
	960	71		927	91	7.57	25.5	70		1670	91	13.5	31.4
	725	53		1020	90	6.36	26.9	53		1680	91	10.3	33.8
① ⑥ ① ①	2900	183	15.8	586	87	13	20.7	186	15.54	1040	87	23.3	24.0
	1450	91		716	88	7.81	25.5	93		1390	89	15.2	31.6
	960	60		798	88	5.8	26.9	61		1620	89	11.8	34.3
	725	45		851	87	4.71	26.9	46		1750	88	9.71	35.0
① ⑧ ① ①	2900	164	17.66	673	92	12.6	26.9	164	17.6	1200	92	22.5	25.0
	1450	82		879	91	8.29	26.9	82		1580	92	14.8	31.3
	960	54		1020	90	6.42	26.9	54		1830	91	11.5	33.8
	725	41		1120	90	5.37	26.9	41		2020	90	9.64	35.5
② ① ① ①	2900	144	20.07	709	92	11.7	26.9	146	19.76	1260	92	21.1	25.5
	1450	72		921	91	7.66	26.9	73		1650	92	13.8	32.4
	960	47		1060	90	5.92	26.9	48		1910	91	10.7	35.0
	725	36		1170	90	4.94	26.9	36		2100	90	8.96	36.4
② ② ① ①	2900	132	21.89	648	87	10.3	26.9	131	22.03	1210	88	18.9	26.0
	1450	66		781	88	6.19	26.9	65		1580	89	12.3	34.5
	960	43		860	87	4.56	26.9	43		1780	88	9.23	38.1
	725	33		911	86	3.68	26.9	32		1880	87	7.46	41.7
② ⑤ ① ①	2900	117	24.59	669	87	9.45	26.9	118	24.47	1260	88	17.8	26.6
	1450	58		803	87	5.69	26.9	59		1650	88	11.6	35.1
	960	39		881	86	4.18	26.9	39		1820	88	8.53	39.4
	725	29		931	85	3.37	26.9	29		1920	86	6.89	41.7
② ⑧ ① ①	2900	107	27.03	685	87	8.81	26.9	106	27.22	1320	88	16.7	27.2
	1450	53		822	87	5.3	26.9	53		1700	88	10.8	35.8
	960	35		898	86	3.89	26.9	35		1860	87	7.88	40.7
	725	26		948	85	3.13	26.9	26		1960	86	6.34	41.7
③ ② ① ①	2900	94	30.81	836	91	9.04	26.9	91	31.78	1520	91	15.9	27.9
	1450	47		1070	90	5.87	26.9	45		1950	90	10.3	35.6
	960	31		1220	89	4.49	26.9	30		2230	89	7.91	40.2
	725	23		1330	88	3.71	26.9	22		2430	89	6.55	41.7
③ ⑥ ① ①	2900	82	35.31	738	87	7.28	26.9	82	35.2	1450	87	14.3	28.4
	1450	41		872	86	4.35	26.9	41		1800	87	8.88	38.8
	960	27		946	85	3.17	26.9	27		1950	86	6.47	41.7
	725	20		993	84	2.54	26.9	20		2050	85	5.19	41.7
④ ① ① ①	2900	72	40.15	764	87	6.64	26.9	73	39.51	1520	88	13.3	29.5
	1450	36		895	86	3.95	26.9	36		1840	87	8.14	40.2
	960	23		967	84	2.87	26.9	24		1990	86	5.91	41.7
	725	18		1010	83	2.29	26.9	18		2090	85	4.73	41.7
④ ⑤ ① ①	2900	65	44.13	953	90	7.26	26.9	66	43.64	1710	91	13.1	31.4
	1450	32		1200	89	4.66	26.9	33		2170	90	8.43	39
	960	21		1340	88	3.48	26.9	21		2460	89	6.39	41.7
	725	16		1340	87	2.65	26.9	16		2650	88	5.25	41.7

SERIES C

DOUBLE REDUCTION RATINGS

SIZES C07 - C08

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry [6][7][8]	Input Speed N1 (rpm)	C0721						C0821					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
[5][0][.]	2900	58	49.9	995	90	6.73	26.9	58	49.26	1780	91	12.1	32.2
	1450	29		1250	88	4.3	26.9	29		2250	89	7.79	40.5
	960	19		1340	87	3.09	26.9	19		2540	88	5.88	41.7
	725	14		1340	87	2.35	26.9	14		2730	87	4.82	41.7
[5][6][.]	2900	54	53.62	820	86	5.37	26.9	53	54.6	1700	88	10.8	32.6
	1450	27		946	85	3.16	26.9	26		1960	86	6.35	41.7
	960	17		1010	83	2.28	26.9	17		2100	84	4.58	41.7
	725	13		1070	83	1.83	26.9	13		2210	84	3.68	41.7
[6][3][.]	2900	47	61.62	847	86	4.85	26.9	45	63.56	1760	87	9.65	33.4
	1450	23		970	84	2.84	26.9	22		2010	85	5.64	41.7
	960	15		1040	83	2.04	26.9	15		2150	84	4.06	41.7
	725	11		1100	83	1.64	26.9	11		2270	83	3.27	41.7
[7][1][.]	2900	42	69	1110	89	5.49	26.9	41	69.64	2010	90	9.79	34.5
	1450	21		1340	87	3.38	26.9	20		2490	88	6.18	41.7
	960	13.1		340	86	2.26	26.9	13		2780	87	4.61	41.7
	725	10		1340	86	1.72	26.9	10		2970	87	3.74	41.7
[8][0][.]	2900	38	75.56	1140	88	5.18	26.9	37	76.5	2080	89	9.23	35.6
	1450	19		1340	87	3.1	26.9	18		2560	88	5.79	41.7
	960	12		1340	86	2.07	26.9	12		2840	87	4.3	41.7
	725	9		1340	85	1.58	26.9	9		3030	86	3.49	41.7
[9][0][.]	2900	32	88.26	912	85	3.7	26.9	33	87.29	1880	86	7.59	36.4
	1450	16		1030	83	2.13	26.9	16		2120	84	4.39	41.7
	960	10		1110	82	1.55	26.9	10		2290	83	3.19	41.7
	725	8		1170	81	1.24	26.9	8		2410	82	2.56	41.7
[1][0][0]	2900	29	99.79	934	84	3.37	26.9	29	98.53	1920	86	6.92	41.7
	1450	14		1050	82	1.94	26.9	14		2160	83	3.99	41.7
	960	9		1140	81	1.41	26.9	9		2340	82	2.9	41.7
	725	7		1190	80	1.13	26.9	7		2460	81	2.33	41.7
[1][1][2]	2900	27	104.3	1260	87	4.2	26.9	28	102.4	2280	89	7.63	41.7
	1450	13		1340	86	2.27	26.9	14		2760	87	4.71	41.7
	960	9		1330	85	1.51	26.9	9		3040	86	3.47	41.7
	725	6		1320	84	1.14	26.9	7		3220	85	2.8	41.7
[1][2][5]	2900	25	115.9	1160	87	3.49	26.9	24	117.9	2380	88	6.97	41.7
	1450	12		1140	85	1.75	26.9	12		2850	86	4.26	41.7
	960	8		1130	84	1.16	26.9	8		2910	85	2.91	41.7
	725	6		1120	84	0.873	26.9	6		2880	85	2.19	41.7
[1][4][0]	2900	21	138	989	83	2.61	26.9	20	139.3	2040	84	5.28	41.7
	1450	10		1120	81	1.52	26.9	10		2310	82	3.07	41.7
	960	6		1200	80	1.09	26.9	6		2480	81	2.21	41.7
	725	5		1250	79	0.871	26.9	5		2590	80	1.76	41.7
[1][6][0]	2900	19	151.1	1000	83	2.43	26.9	18	153	2080	84	4.91	41.7
	1450	9		1140	81	1.41	26.9	9		2350	82	2.85	41.7
	960	6		1220	80	1.02	26.9	6		2520	81	2.05	41.7
	725	4		1270	79	0.81	26.9	4		2630	80	1.64	41.7
[2][1][2]	2900	13	208.6	1060	82	1.89	26.9	14	204.8	2180	83	3.9	41.7
	1450	6		1200	79	1.1	26.9	7		2470	81	2.27	41.7
	960	4		1270	78	0.782	26.9	4		2630	80	1.62	41.7
	725	3		1270	78	0.595	26.9	3		2620	79	1.23	41.7
[2][5][0]	2900	12	231.8	1080	81	1.75	26.9	12	235.8	2240	82	3.51	41.7
	1450	6		1220	79	1.01	26.9	6		2530	80	2.03	41.7
	960	4		1270	78	0.707	26.9	4		2620	79	1.42	41.7
	725	3		1270	77	0.538	26.9	3		2620	78	1.08	41.7
[][][]													

SERIES C

DOUBLE REDUCTION RATINGS SIZES C09 - C10

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥ ⑦ ⑧	Input Speed N1 (rpm)	C0921						C1021						
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	
⑧ ① ① ①	2900	363	7.973	1530	92	63.3	0	364	7.951	2690	93	111	0	
	1450	181		2120	93	43.2	39.3			182	3730	94	75.9	47.8
	960	120		2510	93	34	41.8			120	3840	94	51.8	52.2
	725	90		2800	93	28.7	42.8			91	3830	94	39.1	55.0
① ① ① ①	2900	264	10.98	1790	93	53.4	0	261	11.11	3170	94	92.7	0	
	1450	132		2420	93	35.9	42.1			130	4300	94	62.7	51.2
	960	87		2840	93	28	44.8			86	5060	93	49	54.2
	725	66		3160	93	23.6	45.5			65	5330	93	39.1	56.0
① ② ① ①	2900	235	12.3	1890	93	50.2	0	240	12.08	3290	93	88.6	0	
	1450	117		2540	93	33.6	43.1			120	4450	94	59.6	52.1
	960	78		2970	93	26.2	45.9			79	5220	93	46.5	55.3
	725	58		3290	92	22	46.4			60	5780	93	39.1	58.0
① ④ ① ①	2900	210	13.81	1990	93	47.1	0	211	13.72	3490	93	82.7	0	
	1450	105		2650	93	31.4	44.5			105	4680	94	55.3	53.9
	960	69		3100	92	24.4	47.4			69	5480	93	43.1	57.2
	725	52		3430	92	20.5	47.3			52	6070	93	36.2	62.0
① ⑥ ① ①	2900	173	16.68	1930	88	40.1	36.8	174	16.63	3520	89	72.3	47.8	
	1450	86		2580	89	26.4	49.4			87	4730	91	47.7	60.1
	960	57		3030	89	20.5	53.2			57	5530	90	37	64.3
	725	43		3360	88	17.3	53.2			43	5900	90	30	66.0
① ⑧ ① ①	2900	162	17.79	2220	93	40.8	38.2	162	17.87	3930	94	71.3	48.0	
	1450	81		2920	93	26.9	47.7			81	5180	93	47.2	57.8
	960	53		3400	92	20.9	50.8			53	6030	93	36.6	61.3
	725	40		3750	91	17.5	53.2			40	6670	92	30.8	65.0
② ① ① ①	2900	145	19.88	2330	93	38.3	0	150	19.29	4060	94	68.2	50.0	
	1450	72		3040	92	25.2	49.3			75	5330	93	45.1	59.4
	960	48		3530	92	19.5	52.5			49	6200	93	34.9	63.0
	725	36		3890	91	16.3	53.2			37	6850	92	29.3	68.0
② ② ① ①	2900	126	22.96	2220	88	33.3	0	124	23.23	4080	90	59.5	52.0	
	1450	63		2920	89	21.8	53.2			62	5390	90	39	65.4
	960	41		3410	88	16.9	53.2			41	5970	90	28.8	70.9
	725	31		3760	88	14.2	53.2			31	6330	89	23.3	78.0
② ⑤ ① ①	2900	112	25.73	2320	88	31.1	0	114	25.27	4230	90	56.6	52.5	
	1450	56		3050	89	20.3	53.2			57	5540	90	36.9	66.3
	960	37		3550	88	15.8	53.2			37	6080	89	27.1	72.8
	725	28		3910	87	13.3	53.2			28	6440	89	21.8	82.0
② ⑧ ① ①	2900	100	28.89	2440	88	29	53.2	101	28.7	4460	90	52.5	53.0	
	1450	50		3180	88	19	53.2			50	5710	90	33.6	67.9
	960	33		3700	88	14.7	53.2			33	6240	89	24.6	75.7
	725	25		4070	86	12.4	53.2			25	6590	88	19.7	83.0
③ ② ① ①	2900	92	31.43	2790	93	29.1	53.2	91	31.85	4960	93	50.7	53.5	
	1450	46		3590	91	19	53.2			45	6400	92	33.1	63.9
	960	30		4070	90	14.4	53.2			30	7370	91	25.5	71.3
	725	23		4200	90	11.3	53.2			22	8050	91	21.2	80.0
③ ⑥ ① ①	2900	77	37.22	2690	88	24.9	53.2	77	37.38	4950	90	44.7	55.3	
	1450	38		3490	87	16.3	53.2			38	6060	90	27.5	72.3
	960	25		4030	86	12.6	53.2			25	6570	88	20	82.3
	725	19		4410	86	10.5	53.2			19	6900	88	16	85.2
④ ① ① ①	2900	69	41.59	2810	88	23.3	53.2	71	40.36	5100	90	42.7	56.7	
	1450	34		3640	87	15.2	53.2			35	6150	89	26	74.0
	960	23		4180	86	11.7	53.2			23	6660	88	18.9	84.3
	725	17		4560	85	9.79	53.2			17	6990	87	15.1	87.2
④ ⑤ ① ①	2900	65	44.55	3170	92	23.5	53.2	66	43.65	5580	93	41.9	58.0	
	1450	32		4030	90	15.2	53.2			33	7140	91	27.2	69.4
	960	21		4240	89	10.7	53.2			21	8130	90	20.7	78.3
	725	16		4370	89	8.37	53.2			16	8470	90	16.4	7.2

SERIES C

DOUBLE REDUCTION RATINGS

SIZES C09 - C10

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry [6][7][8]	Input Speed N1 (rpm)	C0921						C1021					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
[5][0][.]	2900	58	49.49	3300	92	22.1	53.2	59	48.51	5800	92	39.3	60.0
	1450	29		4090	90	13.9	53.2	29		7390	91	25.4	71.5
	960	19		4290	89	9.75	53.2	19		8320	90	19.1	80.9
	725	14		4410	89	7.64	53.2	14		8530	90	14.9	87.2
[5][6][.]	2900	50	57.66	3180	88	19.1	53.2	49	58.85	5740	89	33.1	62.0
	1450	25		4060	86	12.4	53.2	24		6620	88	19.4	83.4
	960	16		4620	85	9.5	53.2	16		7090	87	14	87.2
	725	12		4990	84	7.85	53.2	12		7460	86	11.2	87.2
[6][3][.]	2900	44	65.74	3340	88	17.6	53.2	43	66.62	5910	89	30.2	63.0
	1450	22		4240	86	11.4	53.2	21		6770	88	17.6	86.8
	960	14		4790	84	8.7	53.2	14		7230	87	12.6	87.2
	725	11		5160	83	7.16	53.2	10		7640	85	10.2	87.2
[7][1][.]	2900	41	69.91	3730	91	17.8	53.2	41	69.18	6590	92	31.6	64.0
	1450	20		4260	89	10.4	53.2	20		8250	90	20.1	79.4
	960	13		4440	88	7.24	53.2	13		8630	89	14.1	87.2
	725	10		4550	87	5.65	53.2	10		8800	89	10.9	87.2
[8][0][.]	2900	37	77.18	3850	91	16.7	53.2	36	79.71	6920	91	28.9	67.4
	1450	18		4300	89	9.51	53.2	18		8390	90	17.8	83.3
	960	12		4480	88	6.63	53.2	12		8740	89	12.4	87.2
	725	9		4590	87	5.17	53.2	9		8810	88	9.53	87.2
[9][0][.]	2900	31	93.18	3780	87	14.2	53.2	31	91.32	6310	89	23.7	69.5
	1450	15		4710	84	9.11	53.2	15		7120	86	13.7	87.2
	960	10		5240	83	6.84	53.2	10		7690	85	9.96	87.2
	725	7		5580	82	5.57	53.2	7		8090	84	7.99	87.2
[1][0][0]	2900	28	103.5	3920	86	13.4	53.2	28	101.5	6440	88	21.9	75.5
	1450	14		4850	84	8.48	53.2	14		7240	86	12.6	87.2
	960	9		5380	82	6.35	53.2	9		7840	85	9.18	87.2
	725	7		5580	81	5.04	53.2	7		8230	84	7.36	87.2
[1][1][2]	2900	27	106.2	4120	89	13.2	53.2	26	107.8	7650	91	23.8	77.0
	1450	13		4440	88	7.22	53.2	13		8650	89	13.7	87.2
	960	9		4610	87	5.01	53.2	8		8700	88	9.25	87.2
	725	6		4710	86	3.9	53.2	6		8640	87	6.98	87.2
[1][2][5]	2900	24	119.4	4180	89	11.9	53.2	25	115.8	7820	90	22.8	79.4
	1450	12		4490	87	6.53	53.2	12		7980	89	11.8	87.2
	960	8		4650	86	4.53	53.2	8		7900	87	7.84	87.2
	725	6		4750	86	3.52	53.2	6		7840	87	5.92	87.2
[1][4][0]	2900	19	146.2	4380	85	10.7	53.2	20	144.7	6860	87	16.6	81.0
	1450	9		5290	82	6.68	53.2	10		7760	85	9.62	87.2
	960	6		5580	81	4.75	53.2	6		8330	83	6.94	87.2
	725	4		5580	80	3.63	53.2	5		8690	82	5.53	87.2
[1][6][0]	2900	17	161.4	4520	84	10.1	53.2	17	166.7	7020	86	14.8	84.5
	1450	8		5420	82	6.22	53.2	8		7960	84	8.62	87.2
	960	5		5580	80	4.32	53.2	5		8520	83	6.2	87.2
	725	4		5580	80	3.3	53.2	4		8830	82	4.91	87.2
[2][1][2]	2900	13	222.1	4940	83	8.13	53.2	12	225.5	7400	85	11.7	87.2
	1450	6		5580	80	4.74	53.2	6		8370	83	6.8	87.2
	960	4		5580	79	3.2	53.2	4		8830	82	4.83	87.2
	725	3		5580	78	2.44	53.2	3		8810	81	3.67	87.2
[2][5][0]	2900	11	249.7	5090	82	7.51	53.2	11	242.3	7510	85	11.1	87.2
	1450	5		5580	80	4.25	53.2	5		8470	83	6.43	87.2
	960	3		5580	79	2.86	53.2	3		8820	81	4.51	87.2
	725	2		5580	77	2.19	53.2	2		8800	80	3.43	87.2
[][][]													

SERIES C

TRIPLE REDUCTION RATINGS SIZES C07

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥⑦⑧	Input Speed N1 (rpm)	C0731					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
①⑦⑦	2900	29	97.33	1240	87	4.44	29
	1450	14		1340	86	2.44	29
	960	9		1340	85	1.63	29
	725	7		1340	84	1.24	29
①⑧⑧	2900	25	113.2	1300	87	4.01	29
	1450	12		1340	85	2.11	29
	960	8		1340	84	1.41	29
	725	6		1340	84	1.07	29
①⑨⑨	2900	23	125	973	81	2.9	29
	1450	11		1100	80	1.66	29
	960	7		1180	79	1.2	29
	725	5		1230	78	0.953	29
②①①	2900	20	141.7	993	81	2.62	29
	1450	10		1120	79	1.51	29
	960	6		1210	79	1.08	29
	725	5		1260	78	0.86	29
②②②	2900	18	160	1340	86	2.97	29
	1450	9		1340	84	1.51	29
	960	6		1340	83	1.01	29
	725	4		1340	83	0.767	29
②③③	2900	16	170.8	1340	85	2.79	29
	1450	8		1340	84	1.42	29
	960	5		1340	83	0.947	29
	725	4		1340	83	0.72	29
②④④	2900	14	194.7	1040	80	2.03	29
	1450	7		1190	79	1.17	29
	960	4		1270	78	0.837	29
	725	3		1270	77	0.64	29
②⑤⑤	2900	12	226.4	1080	80	1.81	29
	1450	6		1220	79	1.04	29
	960	4		1270	77	0.728	29
	725	3		1270	77	0.553	29
②⑥⑥	2900	11	249.9	1340	84	1.93	29
	1450	5		1340	83	0.98	29
	960	3		1340	82	0.655	29
	725	2		1340	82	0.497	29
②⑦⑦	2900	10	273.7	1340	84	1.77	29
	1450	5		1340	83	0.897	29
	960	3		1340	82	0.6	29
	725	2		1340	82	0.455	29
③①①	2900	9	320	1150	79	1.38	29
	1450	4		1270	77	0.779	29
	960	3		1270	77	0.52	29
	725	2		1260	76	0.395	29
③②②	2900	8	341.6	1160	79	1.31	29
	1450	4		1270	77	0.731	29
	960	2		1270	77	0.488	29
	725	2		1260	75	0.371	29
③③③	2900	7	373.8	1340	83	1.31	29
	1450	3		1340	82	0.664	29
	960	2		1340	81	0.443	29
	725	1		1340	81	0.337	29
③④④	2900	6	419.2	1340	83	1.17	29
	1450	3		1340	82	0.594	29
	960	2		1340	81	0.397	29
	725	1		1340	81	0.301	29
④①①	2900	5	499.9	1230	77	0.965	29
	1450	2		1270	76	0.505	29
	960	1		1260	75	0.337	29
	725	1		1260	75	0.256	29
④②②	2900	5	547.4	1250	77	0.896	29
	1450	2		1270	76	0.463	29
	960	1		1260	75	0.309	29
	725	1		1260	74	0.235	29
④③③	2900	3	747.7	1270	76	0.675	29
	1450	1		1260	75	0.342	29
	960	1		1260	74	0.228	29
	725	0		1260	74	0.173	29
④④④	2900	3	838.5	1270	76	0.604	29
	1450	1		1260	75	0.306	29
	960	1		1260	74	0.204	29
	725	0		1250	73	0.155	29

SERIES C

QUADRUPLE REDUCTION RATINGS

SIZES C03 - C04

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥ ⑦ ⑧	Input Speed N1 (rpm)	C0341						C0441					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
① ① ①	2900	3.02	960	150	70	0.068	2.78	3.02	960	208	71	0.093	5.26
	1450	1.51				0.034	2.78	1.51				0.046	5.26
	960	1.00				0.022	2.78	1.00				0.031	5.26
	720	0.75				0.017	2.78	0.75				0.023	5.26
① ① ②	2900	2.64	1097	150	70	0.059	2.78	2.64	1097	208	71	0.081	5.26
	1450	1.32				0.030	2.78	1.32				0.041	5.26
	960	0.88				0.020	2.78	0.88				0.027	5.26
	720	0.66				0.015	2.78	0.66				0.020	5.26
① ① ③	2900	2.38	1220	150	70	0.053	2.78	2.38	1220	208	71	0.073	5.26
	1450	1.19				0.027	2.78	1.19				0.036	5.26
	960	0.79				0.018	2.78	0.79				0.024	5.26
	720	0.59				0.013	2.78	0.59				0.018	5.26
① ① ④	2900	2.16	1345	150	70	0.048	2.78	2.16	1345	206	70	0.066	5.26
	1450	1.08				0.024	2.78	1.08				0.033	5.26
	960	0.71				0.016	2.78	0.71				0.022	5.26
	720	0.54				0.012	2.78	0.54				0.016	5.26
① ① ⑥	2900	1.77	1635	150	69	0.040	2.78	1.77	1635	192	70	0.051	5.26
	1450	0.89				0.020	2.78	0.89				0.025	5.26
	960	0.59				0.013	2.78	0.59				0.017	5.26
	720	0.44				0.010	2.78	0.44				0.013	5.26
① ① ⑦	2900	1.67	1735	150	70	0.038	2.78	1.67	1735	206	70	0.052	5.26
	1450	0.84				0.019	2.78	0.84				0.026	5.26
	960	0.55				0.012	2.78	0.55				0.017	5.26
	720	0.42				0.009	2.78	0.42				0.013	5.26
② ① ①	2900	1.51	1916	150	69	0.034	2.78	1.51	1916	192	70	0.043	5.26
	1450	0.76				0.017	2.78	0.76				0.022	5.26
	960	0.50				0.011	2.78	0.50				0.014	5.26
	720	0.38				0.009	2.78	0.38				0.011	5.26
② ① ②	2900	1.39	2081	150	70	0.031	2.78	1.39	2081	206	70	0.043	5.26
	1450	0.70				0.016	2.78	0.70				0.021	5.26
	960	0.46				0.010	2.78	0.46				0.014	5.26
	720	0.35				0.008	2.78	0.35				0.011	5.26
② ① ⑤	2900	1.20	2426	150	70	0.027	2.78	1.20	2426	206	70	0.037	5.26
	1450	0.60				0.013	2.78	0.60				0.018	5.26
	960	0.40				0.009	2.78	0.40				0.012	5.26
	720	0.30				0.007	2.78	0.30				0.009	5.26
② ① ⑧	2900	1.08	2679	150	69	0.025	2.78	1.08	2679	192	70	0.031	5.26
	1450	0.54				0.012	2.78	0.54				0.016	5.26
	960	0.36				0.008	2.78	0.36				0.010	5.26
	720	0.27				0.006	2.78	0.27				0.008	5.26
③ ① ②	2900	0.89	3246	150	70	0.020	2.78	0.89	3246	206	70	0.028	5.26
	1450	0.45				0.010	2.78	0.45				0.014	5.26
	960	0.30				0.007	2.78	0.30				0.009	5.26
	720	0.22				0.005	2.78	0.22				0.007	5.26
③ ① ⑥	2900	0.81	3585	150	69	0.018	2.78	0.81	3585	192	70	0.023	5.26
	1450	0.40				0.009	2.78	0.40				0.012	5.26
	960	0.27				0.006	2.78	0.27				0.008	5.26
	720	0.20				0.005	2.78	0.20				0.006	5.26
④ ① ①	2900	0.71	4109	150	69	0.016	2.78	0.71	4109	192	70	0.020	5.26
	1450	0.35				0.008	2.78	0.35				0.010	5.26
	960	0.23				0.005	2.78	0.23				0.007	5.26
	720	0.18				0.004	2.78	0.18				0.005	5.26
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SERIES C

QUADRUPLE REDUCTION RATINGS

SIZES C03 - C04

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry [6][7][8]	Input Speed N1 (rpm)	C0341						C0441					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
[4][5][C]	2900	0.62	4670	150	69	0.014	2.78	0.62	4670	192	70	0.018	5.26
	1450	0.31				0.007	2.78	0.31				0.009	5.26
	960	0.21				0.005	2.78	0.21				0.006	5.26
	720	0.15				0.004	2.78	0.15				0.004	5.26
[5][0][C]	2900	0.58	4978	150	68	0.013	2.78	0.58	4978	278	69	0.025	5.26
	1450	0.29				0.007	2.78	0.29				0.012	5.26
	960	0.19				0.004	2.78	0.19				0.008	5.26
	720	0.14				0.003	2.78	0.14				0.006	5.26
[5][6][C]	2900	0.51	5658	150	68	0.012	2.78	0.51	5658	278	69	0.022	5.26
	1450	0.26				0.006	2.78	0.26				0.011	5.26
	960	0.17				0.004	2.78	0.17				0.007	5.26
	720	0.13				0.003	2.78	0.13				0.005	5.26
[6][3][C]	2900	0.45	6485	150	68	0.010	2.78	0.45	6485	278	69	0.019	5.26
	1450	0.22				0.005	2.78	0.22				0.009	5.26
	960	0.15				0.003	2.78	0.15				0.006	5.26
	720	0.11				0.003	2.78	0.11				0.005	5.26
[7][1][C]	2900	0.39	7370	150	68	0.009	2.78	0.39	7370	278	69	0.017	5.26
	1450	0.20				0.005	2.78	0.20				0.008	5.26
	960	0.13				0.003	2.78	0.13				0.005	5.26
	720	0.10				0.002	2.78	0.10				0.004	5.26
[8][0][C]	2900	0.37	7874	150	53	0.011	2.78	0.37	7874	278	54	0.020	5.26
	1450	0.18				0.005	2.78	0.18				0.010	5.26
	960	0.12				0.004	2.78	0.12				0.007	5.26
	720	0.09				0.003	2.78	0.09				0.005	5.26
[9][0][C]	2900	0.32	8949	150	53	0.010	2.78	0.32	8949	278	54	0.017	5.26
	1450	0.16				0.005	2.78	0.16				0.009	5.26
	960	0.11				0.003	2.78	0.11				0.006	5.26
	720	0.08				0.002	2.78	0.08				0.004	5.26
[1][0][K]	2900	0.31	9482	150	53	0.009	2.78	0.31	9482	190	53	0.011	5.26
	1450	0.15				0.005	2.78	0.15				0.006	5.26
	960	0.10				0.003	2.78	0.10				0.004	5.26
	720	0.08				0.002	2.78	0.08				0.003	5.26
[1][1][K]	2900	0.27	10869	150	53	0.008	2.78	0.27	10869	190	53	0.010	5.26
	1450	0.13				0.004	2.78	0.13				0.005	5.26
	960	0.09				0.003	2.78	0.09				0.003	5.26
	720	0.07				0.002	2.78	0.07				0.002	5.26
[1][2][K]	2900	0.23	12352	150	53	0.007	2.78	0.21	14038	183	53	0.007	5.26
	1450	0.12				0.004	2.78	0.10				0.004	5.26
	960	0.08				0.002	2.78	0.07				0.002	5.26
	720	0.06				0.002	2.78	0.05				0.002	5.26
[1][4][K]	2900	0.21	14038	150	150	0.002	2.78	0.21	14038	183	53	0.007	5.26
	1450	0.10				0.001	2.78	0.10				0.004	5.26
	960	0.07				0.001	2.78	0.07				0.002	5.26
	720	0.05				0.001	2.78	0.05				0.002	5.26
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SERIES C

QUADRUPLE REDUCTION RATINGS SIZES C05 - C06

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥ ⑦ ⑧	Input Speed N1 (rpm)	C0541						C0641					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
① ① ①	2900	3.07	945	406	73	0.179	7.41	2.84	1022	766	77	0.296	11.50
	1450	1.53				0.089	7.41	1.42				0.148	11.50
	960	1.02				0.059	7.41	0.94				0.098	11.50
	720	0.76				0.044	7.41	0.70				0.073	11.50
① ① ②	2900	2.69	1080	406	73	0.156	7.41	2.61	1111	766	77	0.272	11.50
	1450	1.34				0.078	7.41	1.31				0.136	11.50
	960	0.89				0.052	7.41	0.86				0.090	11.50
	720	0.67				0.039	7.41	0.65				0.068	11.50
① ① ③	2900	2.41	1201	406	73	0.141	7.41	2.23	1300	766	77	0.232	11.50
	1450	1.21				0.070	7.41	1.12				0.116	11.50
	960	0.80				0.047	7.41	0.74				0.077	11.50
	720	0.60				0.035	7.41	0.55				0.058	11.50
① ① ④	2900	2.19	1324	406	73	0.128	7.41	1.94	1495	766	77	0.202	11.50
	1450	1.10				0.064	7.41	0.97				0.101	11.50
	960	0.73				0.042	7.41	0.64				0.067	11.50
	720	0.54				0.032	7.41	0.48				0.050	11.50
① ① ⑥	2900	1.77	1642	404	72	0.104	7.41	1.78	1625	766	77	0.186	11.50
	1450	0.88				0.052	7.41	0.89				0.093	11.50
	960	0.58				0.034	7.41	0.59				0.062	11.50
	720	0.44				0.026	7.41	0.44				0.046	11.50
① ① ⑦	2900	1.70	1707	406	73	0.099	7.41	1.63	1780	766	76	0.172	11.50
	1450	0.85				0.049	7.41	0.81				0.086	11.50
	960	0.56				0.033	7.41	0.54				0.057	11.50
	720	0.42				0.025	7.41	0.40				0.043	11.50
② ① ①	2900	1.51	1924	404	72	0.089	7.41	1.49	1951	766	77	0.155	11.50
	1450	0.75				0.044	7.41	0.74				0.077	11.50
	960	0.50				0.029	7.41	0.49				0.051	11.50
	720	0.37				0.022	7.41	0.37				0.038	11.50
② ① ②	2900	1.42	2048	406	73	0.082	7.41	1.24	2342	766	77	0.129	11.50
	1450	0.71				0.041	7.41	0.62				0.065	11.50
	960	0.47				0.027	7.41	0.41				0.043	11.50
	720	0.35				0.020	7.41	0.31				0.032	11.50
② ① ⑤	2900	1.21	2387	406	73	0.071	7.41	1.10	2638	766	77	0.114	11.50
	1450	0.61				0.035	7.41	0.55				0.057	11.50
	960	0.40				0.023	7.41	0.36				0.038	11.50
	720	0.30				0.018	7.41	0.27				0.028	11.50
② ① ⑧	2900	1.08	2690	404	72	0.063	7.41	1.00	2889	766	76	0.106	11.50
	1450	0.54				0.032	7.41	0.50				0.053	11.50
	960	0.36				0.021	7.41	0.33				0.035	11.50
	720	0.27				0.016	7.41	0.25				0.026	11.50
③ ① ②	2900	0.91	3195	406	73	0.053	7.41	0.95	3067	766	77	0.098	11.50
	1450	0.45				0.026	7.41	0.47				0.049	11.50
	960	0.30				0.018	7.41	0.31				0.033	11.50
	720	0.23				0.013	7.41	0.23				0.024	11.50
③ ① ⑥	2900	0.81	3599	404	72	0.047	7.41	0.86	3359	766	76	0.091	11.50
	1450	0.40				0.024	7.41	0.43				0.046	11.50
	960	0.27				0.016	7.41	0.29				0.030	11.50
	720	0.20				0.012	7.41	0.21				0.023	11.50
④ ① ①	2900	0.70	4126	404	72	0.041	7.41	0.76	3812	766	76	0.080	11.50
	1450	0.35				0.021	7.41	0.38				0.040	11.50
	960	0.23				0.014	7.41	0.25				0.027	11.50
	720	0.17				0.010	7.41	0.19				0.020	11.50
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SERIES C

QUADRUPLE REDUCTION RATINGS

SIZES C05 - C06

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry [6][7][8]	Input Speed N1 (rpm)	C0541						C0641					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
[4][5][C]	2900	0.62	4689	404	72	0.036	7.41	0.67	4334	766	76	0.071	11.50
	1450	0.31				0.018	7.41	0.33				0.035	11.50
	960	0.20				0.012	7.41	0.22				0.023	11.50
	720	0.15				0.009	7.41	0.17				0.018	11.50
[5][0][C]	2900	0.61	4778	393	71	0.035	7.41	0.56	5145	766	76	0.059	11.50
	1450	0.30				0.018	7.41	0.28				0.030	11.50
	960	0.20				0.012	7.41	0.19				0.020	11.50
	720	0.15				0.009	7.41	0.14				0.015	11.50
[5][6][C]	2900	0.54	5399	386	71	0.031	7.41	0.49	5920	766	76	0.052	11.50
	1450	0.27				0.015	7.41	0.24				0.026	11.50
	960	0.18				0.010	7.41	0.16				0.017	11.50
	720	0.13				0.008	7.41	0.12				0.013	11.50
[6][3][C]	2900	0.47	6189	386	71	0.027	7.41	0.44	6639	766	76	0.046	11.50
	1450	0.23				0.013	7.41	0.22				0.023	11.50
	960	0.16				0.009	7.41	0.14				0.015	11.50
	720	0.12				0.007	7.41	0.11				0.011	11.50
[7][1][C]	2900	0.41	7033	386	71	0.024	7.41	0.39	7378	766	58	0.054	11.50
	1450	0.21				0.012	7.41	0.20				0.027	11.50
	960	0.14				0.008	7.41	0.13				0.018	11.50
	720	0.10				0.006	7.41	0.10				0.013	11.50
[8][0][C]	2900	0.36	7985	482	55	0.033	7.41	0.35	8388	766	58	0.048	11.50
	1450	0.18				0.017	7.41	0.17				0.024	11.50
	960	0.12				0.011	7.41	0.11				0.016	11.50
	720	0.09				0.008	7.41	0.09				0.012	11.50
[9][0][C]	2900	0.32	9075	482	55	0.029	7.41	0.33	8879	766	57	0.046	11.50
	1450	0.16				0.015	7.41	0.16				0.023	11.50
	960	0.11				0.010	7.41	0.11				0.015	11.50
	720	0.08				0.007	7.41	0.08				0.011	11.50
[1][0][K]	2900	0.32	9192	482	54	0.029	7.41	0.29	10078	766	57	0.040	11.50
	1450	0.16				0.015	7.41	0.14				0.020	11.50
	960	0.10				0.010	7.41	0.10				0.013	11.50
	720	0.08				0.007	7.41	0.07				0.010	11.50
[1][1][K]	2900	0.28	10536	482	54	0.026	7.41	0.29	10078	766	57	0.040	11.50
	1450	0.14				0.013	7.41	0.14				0.020	11.50
	960	0.09				0.009	7.41	0.10				0.013	11.50
	720	0.07				0.006	7.41	0.07				0.010	11.50
[1][2][K]	2900	0.24	11974	482	54	0.023	7.41	0.23	12849	766	56	0.032	11.50
	1450	0.12				0.011	7.41	0.11				0.016	11.50
	960	0.08				0.007	7.41	0.07				0.011	11.50
	720	0.06				0.006	7.41	0.06				0.008	11.50
[1][4][K]	2900	0.21	13613	482	54	0.020	7.41	-				-	-
	1450	0.11				0.010	7.41	-				-	-
	960	0.07				0.007	7.41	-				-	-
	720	0.05				0.005	7.41	-				-	-
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SERIES C

QUADRUPLE REDUCTION RATINGS SIZES C07

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥ ⑦ ⑧	Input Speed N1 (rpm)	C0741					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
① ① ①	2900	2.87	1009	1340	81	0.498	26.9
	1450	1.44				0.249	26.9
	960	0.95				0.165	26.9
	720	0.71				0.124	26.9
① ① ①	2900	2.64	1097	1340	81	0.458	26.9
	1450	1.32				0.229	26.9
	960	0.87				0.152	26.9
	720	0.66				0.114	26.9
① ② ①	2900	2.39	1213	1340	80	0.419	26.9
	1450	1.20				0.210	26.9
	960	0.79				0.139	26.9
	720	0.59				0.104	26.9
① ④ ①	2900	2.08	1396	1340	80	0.364	26.9
	1450	1.04				0.182	26.9
	960	0.69				0.121	26.9
	720	0.52				0.090	26.9
① ⑥ ①	2900	1.91	1517	1340	80	0.335	26.9
	1450	0.96				0.168	26.9
	960	0.63				0.111	26.9
	720	0.47				0.083	26.9
① ⑩ ①	2900	1.75	1662	1340	80	0.306	26.9
	1450	0.87				0.153	26.9
	960	0.58				0.101	26.9
	720	0.43				0.076	26.9
② ① ①	2900	1.45	1995	1340	80	0.255	26.9
	1450	0.73				0.128	26.9
	960	0.48				0.084	26.9
	720	0.36				0.063	26.9
② ② ①	2900	1.33	2186	1340	80	0.233	26.9
	1450	0.66				0.116	26.9
	960	0.44				0.077	26.9
	720	0.33				0.058	26.9
② ⑤ ①	2900	1.18	2463	1340	80	0.207	26.9
	1450	0.59				0.103	26.9
	960	0.39				0.068	26.9
	720	0.29				0.051	26.9
② ⑧ ①	2900	1.01	2863	1340	80	0.178	26.9
	1450	0.51				0.089	26.9
	960	0.34				0.059	26.9
	720	0.25				0.044	26.9
③ ② ①	2900	0.92	3135	1340	80	0.162	26.9
	1450	0.46				0.081	26.9
	960	0.31				0.054	26.9
	720	0.23				0.040	26.9
③ ⑥ ①	2900	0.81	3559	1340	80	0.143	26.9
	1450	0.41				0.071	26.9
	960	0.27				0.047	26.9
	720	0.20				0.035	26.9
④ ① ①	2900	0.72	4046	1340	80	0.126	26.9
	1450	0.36				0.063	26.9
	960	0.24				0.042	26.9
	720	0.18				0.031	26.9
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SERIES C

QUADRUPLE REDUCTION RATINGS SIZES C07

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry [6][7][8]	Input Speed N1 (rpm)	C0741					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
[4][5][C]	2900	0.67	4329	1340	80	0.118	26.9
	1450	0.33				0.059	26.9
	960	0.22				0.039	26.9
	720	0.17				0.029	26.9
[5][0][C]	2900	0.59	4913	1270	78	0.101	26.9
	1450	0.30				0.050	26.9
	960	0.20				0.033	26.9
	720	0.15				0.025	26.9
[5][6][C]	2900	0.52	5585	1270	78	0.089	26.9
	1450	0.26				0.044	26.9
	960	0.17				0.029	26.9
	720	0.13				0.022	26.9
[6][3][C]	2900	0.47	6206	1140	78	0.072	26.9
	1450	0.23				0.036	26.9
	960	0.15				0.024	26.9
	720	0.12				0.018	26.9
[7][1][C]	2900	0.41	7117	1140	72	0.068	26.9
	1450	0.20				0.034	26.9
	960	0.13				0.022	26.9
	720	0.10				0.017	26.9
[8][0][C]	2900	0.36	8091	1140	72	0.059	26.9
	1450	0.18				0.030	26.9
	960	0.12				0.020	26.9
	720	0.09				0.015	26.9
[9][0][C]	2900	0.33	8657	1200	71	0.059	26.9
	1450	0.17				0.030	26.9
	960	0.11				0.020	26.9
	720	0.08				0.015	26.9
[1][0][K]	2900	0.30	9826	1200	71	0.052	26.9
	1450	0.15				0.026	26.9
	960	0.10				0.017	26.9
	720	0.07				0.013	26.9
[1][1][K]	2900	0.26	11171	1200	71	0.046	26.9
	1450	0.13				0.023	26.9
	960	0.09				0.015	26.9
	720	0.06				0.011	26.9
[1][2][K]	2900	0.23	12412	1220	71	0.042	26.9
	1450	0.12				0.021	26.9
	960	0.08				0.014	26.9
	720	0.06				0.010	26.9
[1][4][K]	2900	-	-	-	-	-	-
	1450	-				-	-
	960	-				-	-
	720	-				-	-
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SERIES C

QUADRUPLE REDUCTION RATINGS SIZES C08- C09

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥ ⑦ ⑧	Input Speed N1 (rpm)	C0841						C0941					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)	N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
① ⑧ C	2900	1.53	1901	2800	80	0.559	41.70	1.52	1908	5000	81	0.979	53.2
	1450	0.76				0.280		0.76				0.490	53.2
	960	0.50				0.185		0.50				0.324	53.2
	720	0.38				0.139		0.38				0.243	53.2
② ⑩ C	2900	1.39	2088	2800	79	0.515	41.70	1.38	2107	5000	81	0.891	53.2
	1450	0.69				0.258		0.69				0.445	53.2
	960	0.46				0.171		0.46				0.295	53.2
	720	0.34				0.128		0.34				0.221	53.2
② ② C	2900	1.29	2242	2800	80	0.474	41.70	1.29	2250	5000	81	0.834	53.2
	1450	0.65				0.237		0.64				0.417	53.2
	960	0.43				0.157		0.43				0.276	53.2
	720	0.32				0.118		0.32				0.207	53.2
② ⑤ C	2900	1.18	2463	2800	79	0.437	41.70	1.17	2484	5000	81	0.752	53.2
	1450	0.59				0.219		0.58				0.376	53.2
	960	0.39				0.145		0.39				0.249	53.2
	720	0.29				0.109		0.29				0.187	53.2
② ⑧ C	2900	1.08	2697	2800	79	0.399	41.70	1.07	2720	5000	81	0.690	53.2
	1450	0.54				0.200		0.53				0.345	53.2
	960	0.36				0.132		0.35				0.228	53.2
	720	0.27				0.099		0.26				0.171	53.2
③ ② C	2900	0.88	3305	2800	79	0.326	41.70	0.87	3334	5000	81	0.563	53.2
	1450	0.44				0.163		0.43				0.281	53.2
	960	0.29				0.108		0.29				0.186	53.2
	720	0.22				0.081		0.22				0.140	53.2
③ ⑥ C	2900	0.77	3761	2800	80	0.283	41.70	0.77	3775	5000	81	0.495	53.2
	1450	0.39				0.141		0.38				0.247	53.2
	960	0.26				0.094		0.25				0.164	53.2
	720	0.19				0.070		0.19				0.123	53.2
④ ⑩ C	2900	0.70	4131	2800	79	0.261	41.70	0.70	4167	5000	81	0.450	53.2
	1450	0.35				0.130		0.35				0.225	53.2
	960	0.23				0.086		0.23				0.149	53.2
	720	0.17				0.065		0.17				0.112	53.2
④ ⑤ C	2900	0.66	4423	2800	78	0.246	41.70	0.63	4586	5000	80	0.414	53.2
	1450	0.33				0.123		0.32				0.207	53.2
	960	0.22				0.082		0.21				0.137	53.2
	720	0.16				0.061		0.16				0.103	53.2
⑤ ⑩ C	2900	0.59	4929	2800	78	0.221	41.70	0.57	5112	5000	80	0.371	53.2
	1450	0.29				0.111		0.28				0.186	53.2
	960	0.19				0.073		0.19				0.123	53.2
	720	0.15				0.055		0.14				0.092	53.2
⑤ ⑥ C	2900	0.52	5528	2800	78	0.197	41.70	0.51	5733	5000	80	0.331	53.2
	1450	0.26				0.099		0.25				0.165	53.2
	960	0.17				0.065		0.17				0.110	53.2
	720	0.13				0.049		0.13				0.082	53.2
⑥ ③ C	2900	0.46	6366	2800	78	0.171	41.70	0.45	6447	5000	79	0.296	53.2
	1450	0.23				0.086		0.22				0.148	53.2
	960	0.15				0.057		0.15				0.098	53.2
	720	0.11				0.043		0.11				0.074	53.2
⑦ ① C	2900	0.43	6707	2310	73	0.143	41.70	0.41	7041	5580	75	0.321	53.2
	1450	0.22				0.072		0.21				0.161	53.2
	960	0.14				0.047		0.14				0.106	53.2
	720	0.11				0.036		0.10				0.080	53.2
⑧ ⑩ C	2900	0.35	8262	2350	73	0.118	41.70	0.37	7897	5580	75	0.287	53.2
	1450	0.18				0.059		0.18				0.143	53.2
	960	0.12				0.039		0.12				0.095	53.2
	720	0.09				0.029		0.09				0.071	53.2
⑨ ⑩ C	2900	0.33	8845	2470	72	0.118	41.70	0.33	8718	5580	75	0.260	53.2
	1450	0.16				0.059		0.17				0.130	53.2
	960	0.11				0.039		0.11				0.086	53.2
	720	0.08				0.029		0.08				0.065	53.2
① ⑩ K	2900	0.29	9859	2470	72	0.106	41.70	0.30	9594	5580	73	0.241	53.2
	1450	0.15				0.053		0.15				0.121	53.2
	960	0.10				0.035		0.10				0.080	53.2
	720	0.07				0.026		0.08				0.060	53.2
① ① K	2900	0.26	11057	2470	72	0.094	41.70	0.27	10693	5580	73	0.216	53.2
	1450	0.13				0.047		0.14				0.108	53.2
	960	0.09				0.031		0.09				0.072	53.2
	720	0.07				0.023		0.07				0.054	53.2
① ② K	2900	0.23	12732	2530	72	0.084	41.70	0.24	11993	5580	73	0.193	53.2
	1450	0.11				0.042		0.12				0.096	53.2
	960	0.08				0.028		0.08				0.064	53.2
	720	0.06				0.021		0.06				0.048	53.2
① ④ K	2900	-	-	-	-	-	-	0.22	13485	5580	73	0.173	53.2
	1450	-				-		0.11				0.086	53.2
	960	-				-		0.07				0.057	53.2
	720	-				-		0.05				0.043	53.2
□ □ □													

SERIES C

QUADRUPLE REDUCTION RATINGS SIZES C10

N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry	Input Speed N1 (rpm)	C1041					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
1 6 0	2900	18.06	161	8330	83	19.025	87.2
	1450	9.03				9.512	87.2
	960	5.98				6.298	87.2
	720	4.48				4.723	87.2
1 8 0	2900	16.25	178	8150	83	16.750	87.2
	1450	8.13				8.375	87.2
	960	5.38				5.545	87.2
	720	4.04				4.159	87.2
2 1 2	2900	13.04	222	8330	83	13.736	87.2
	1450	6.52				6.868	87.2
	960	4.32				4.547	87.2
	720	3.24				3.410	87.2
2 5 0	2900	11.74	247	8150	83	12.094	87.2
	1450	5.87				6.047	87.2
	960	3.88				4.004	87.2
	720	2.91				3.003	87.2
2 8 0	2900	10.56	275	8330	83	11.121	87.2
	1450	5.28				5.560	87.2
	960	3.50				3.681	87.2
	720	2.62				2.761	87.2
3 2 0	2900	9.50	305	8150	83	9.792	87.2
	1450	4.75				4.896	87.2
	960	3.15				3.241	87.2
	720	2.36				2.431	87.2
3 6 0	2900	8.08	359	8330	83	8.514	87.2
	1450	4.04				4.257	87.2
	960	2.68				2.819	87.2
	720	2.01				2.114	87.2
4 0 0	2900	7.11	408	8330	83	7.489	87.2
	1450	3.55				3.744	87.2
	960	2.35				2.479	87.2
	720	1.77				1.859	87.2
4 5 0	2900	6.40	453	8150	83	6.593	87.2
	1450	3.20				3.297	87.2
	960	2.12				2.183	87.2
	720	1.59				1.637	87.2
5 0 0	2900	5.85	495	8330	83	6.167	87.2
	1450	2.93				3.084	87.2
	960	1.94				2.042	87.2
	720	1.45				1.531	87.2
5 6 0	2900	5.32	545	8330	83	5.606	87.2
	1450	2.66				2.803	87.2
	960	1.76				1.856	87.2
	720	1.32				1.392	87.2
6 3 0	2900	4.63	626	8330	83	4.879	87.2
	1450	2.32				2.440	87.2
	960	1.53				1.615	87.2
	720	1.15				1.211	87.2
7 1 0	2900	4.08	710	8330	83	4.303	87.2
	1450	2.04				2.151	87.2
	960	1.35				1.424	87.2
	720	1.01				1.068	87.2
8 0 0	900	3.70	783	8330	83	3.901	87.2
	1450	1.85				1.950	87.2
	960	1.23				1.291	87.2
	720	0.92				0.968	87.2
9 0 0	2900	3.23	897	8330	83	3.406	87.2
	1450	1.62				1.703	87.2
	960	1.07				1.128	87.2
	720	0.80				0.846	87.2
1 0 C	2900	2.86	1014	8330	83	3.013	87.2
	1450	1.43				1.506	87.2
	960	0.95				0.997	87.2
	720	0.71				0.748	87.2
1 1 C	2900	2.57	1127	8150	83	2.653	87.2
	1450	1.29				1.326	87.2
	960	0.85				0.878	87.2
	720	0.64				0.659	87.2
1 2 C	2900	2.47	1176	8330	83	2.598	87.2
	1450	1.23				1.299	87.2
	960	0.82				0.860	87.2
	720	0.61				0.645	87.2
1 4 C	2900	2.07	1402	8330	83	2.179	87.2
	1450	1.03				1.089	87.2
	960	0.68				0.721	87.2
	720	0.51				0.541	87.2
1 6 C	2900	1.80	1607	8420	82	1.943	87.2
	1450	0.90				0.972	87.2
	960	0.60				0.643	87.2
	720	0.45				0.482	87.2

SERIES C

QUADRUPLE REDUCTION RATINGS SIZES C10

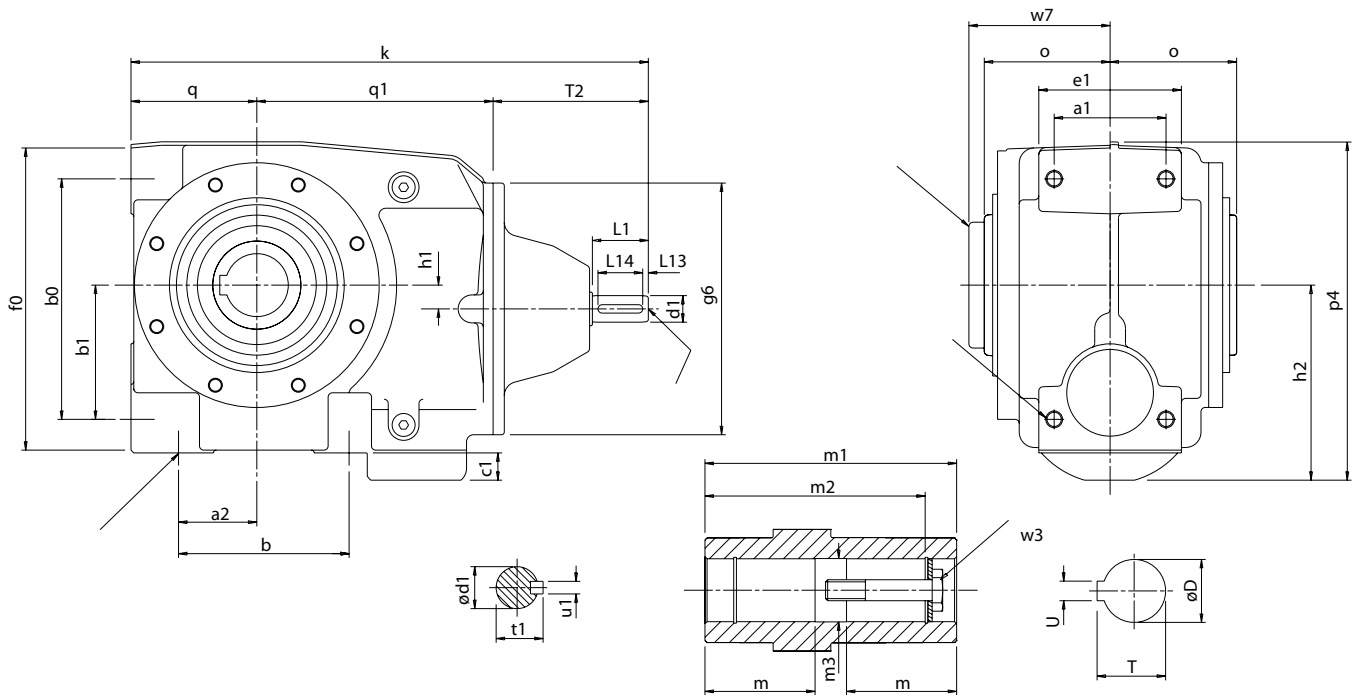
N2 - Output Speed (rpm) M2 - Output Torque (Nm) Pm - Input Power (kW)
 i - Exact Ratio (:1) η - Efficiency (%) fra - Overhung Load (kN)

Column Entry ⑥ ⑦ ⑧	Input Speed N1 (rpm)	C1041					
		N2 (rpm)	i (:1)	M2 (Nm)	η (%)	Pm (kW)	fra (kN)
① ⑧ C	2900	1.56	1863	8420	82	1.676	87.2
	1450	0.78				0.838	87.2
	960	0.52				0.555	87.2
	720	0.39				0.416	87.2
② ⑩ C	2900	1.35	2146	8440	82	1.458	87.2
	1450	0.68				0.729	87.2
	960	0.45				0.483	87.2
	720	0.34				0.362	87.2
② ② C	2900	1.31	2222	8420	82	1.405	87.2
	1450	0.65				0.703	87.2
	960	0.43				0.465	87.2
	720	0.32				0.349	87.2
② ⑤ C	2900	1.13	2560	8440	82	1.222	87.2
	1450	0.57				0.611	87.2
	960	0.37				0.405	87.2
	720	0.28				0.303	87.2
② ⑧ C	2900	1.03	2804	8440	82	1.116	87.2
	1450	0.52				0.558	87.2
	960	0.34				0.370	87.2
	720	0.26				0.277	87.2
③ ② C	2900	0.86	3364	8440	82	0.930	87.2
	1450	0.43				0.465	87.2
	960	0.29				0.308	87.2
	720	0.21				0.231	87.2
③ ⑥ C	2900	0.78	3733	8420	82	0.836	87.2
	1450	0.39				0.418	87.2
	960	0.26				0.277	87.2
	720	0.19				0.208	87.2
④ ⑩ C	2900	0.67	4301	8440	82	0.728	87.2
	1450	0.34				0.364	87.2
	960	0.22				0.241	87.2
	720	0.17				0.181	87.2
④ ⑤ C	2900	0.64	4550	8650	81	0.713	87.2
	1450	0.32				0.356	87.2
	960	0.21				0.236	87.2
	720	0.16				0.177	87.2
⑤ ⑩ C	2900	0.55	5235	8650	81	0.620	87.2
	1450	0.28				0.310	87.2
	960	0.18				0.205	87.2
	720	0.14				0.154	87.2
⑤ ⑥ C	2900	0.50	5817	8650	81	0.558	87.2
	1450	0.25				0.279	87.2
	960	0.17				0.185	87.2
	720	0.12				0.138	87.2
⑥ ③ C	2900	0.46	6249	7980	81	0.479	87.2
	1450	0.23				0.239	87.2
	960	0.15				0.158	87.2
	720	0.12				0.119	87.2
⑦ ① C	2900	0.41	7027	8700	77	0.486	87.2
	1450	0.21				0.243	87.2
	960	0.14				0.161	87.2
	720	0.10				0.121	87.2
⑧ ⑩ C	2900	0.37	7808	8700	77	0.437	87.2
	1450	0.19				0.219	87.2
	960	0.12				0.145	87.2
	720	0.09				0.109	87.2
⑨ ⑩ C	2900	0.32	8996	8690	76	0.384	87.2
	1450	0.16				0.192	87.2
	960	0.11				0.127	87.2
	720	0.08				0.095	87.2
① ⑩ K	2900	0.30	9518	8670	76	0.366	87.2
	1450	0.15				0.183	87.2
	960	0.10				0.121	87.2
	720	0.08				0.091	87.2
① ① K	2900	0.26	10951	8670	76	0.318	87.2
	1450	0.13				0.159	87.2
	960	0.09				0.105	87.2
	720	0.07				0.079	87.2
① ② K	2900	0.24	12167	8670	76	0.286	87.2
	1450	0.12				0.143	87.2
	960	0.08				0.095	87.2
	720	0.06				0.071	87.2
① ④ K	2900	0.22	13072	8670	76	0.267	87.2
	1450	0.11				0.133	87.2
	960	0.07				0.088	87.2
	720	0.06				0.066	87.2
□ □ □							
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SERIES C

DIMENSIONS

DOUBLE REDUCTION



SIZE	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o
C0321	54	35	63	80	40	9	70	139	5.3	79.5	62
C0421	56	35	80	118	65	7	80	158	15	93	65
C0521	68	45	100	142	77	16	86	177	13	112	70
C0621	80	56	122	172	96	20	102	218	17	139.5	90

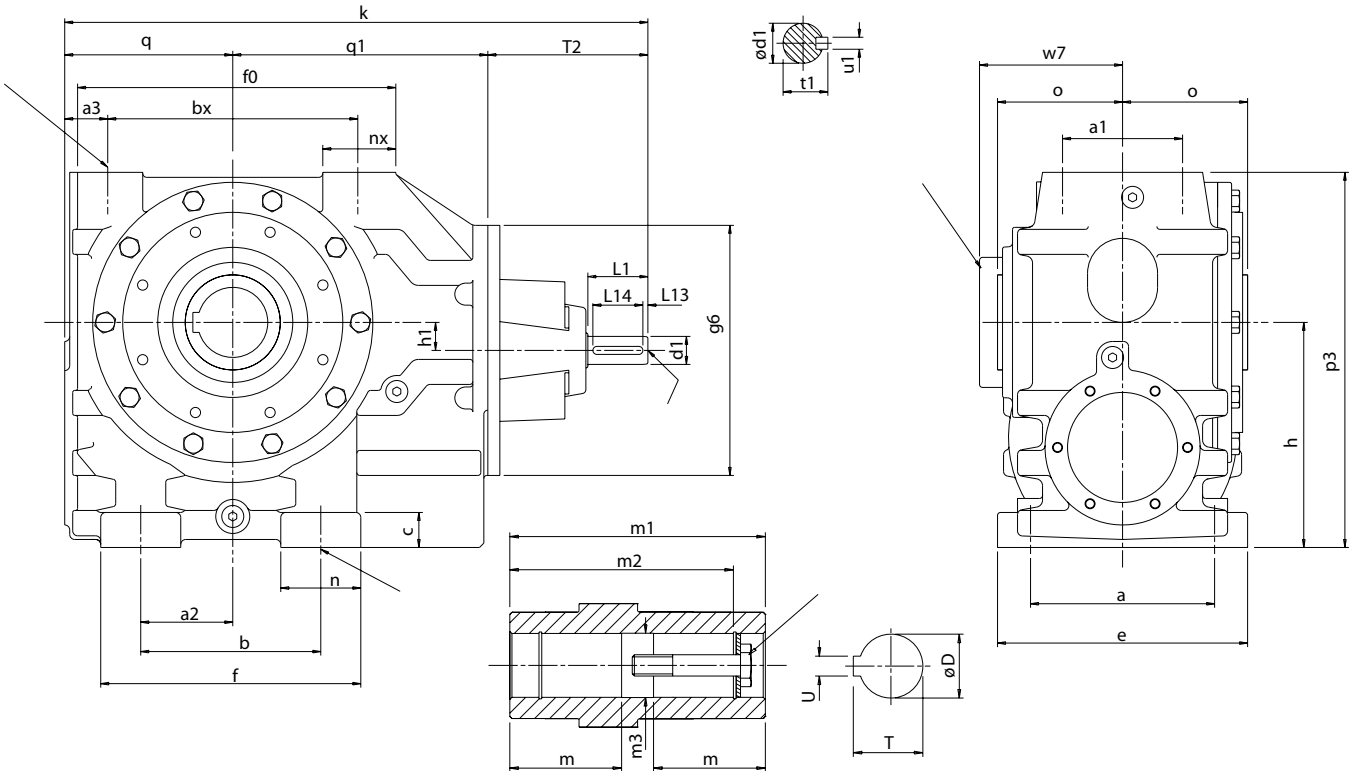
SIZE	p4	q	q1	s	w7	T2	g6	k
C0321	148	54	109	M8x1.25, 15 deep	70	111	140	274
C0421	168	64	119	M10x1.5, 20 deep	74.5	111	140	294
C0521	200	68	134	M10x1.5, 18 deep	79	111	140	313
C0621	243	90	169	M12x1.75, 20 deep	101	111	180	370

SIZE	Input Shaft							Hollow Output Bore							
	d1	L1	L13	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0321	16 k6	40	4	32	18	5	M5x0.8, 12 deep	20	52	124	104	20.2	22.9	6	M6x1.0, 40 long
C0421	16 k6	40	4	32	18	5	M5x0.8, 12 deep	30	54	130	122	30.2	33.5	8	M10x1.5, 50 long
C0521	16 k6	40	4	32	18	5	M5x0.8, 12 deep	35	56	140	127	35.3	38.5	10	M12x1.75, 55 long
C0621	19 k6	40	4	32	21.5	6	M6x1.0, 16 deep	45	70	180	156	45.3	49	14	M16x2.0, 70 long

SERIES C

DIMENSIONS

DOUBLE REDUCTION



SIZE	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	n	nx	o
C0721	150	100	75	35.5	135	215	28	185	202	280	180	26	67	63	109
C0821	200	120	92	43	180	250	35	250	260	326	225	28	80	71	125
C0921	250	135	115	50	235	290	40	305	320	380	280	40	85	85	150
C1021	300	150	170	62.5	310	345	45	360	420	460	335	65	110	107	175

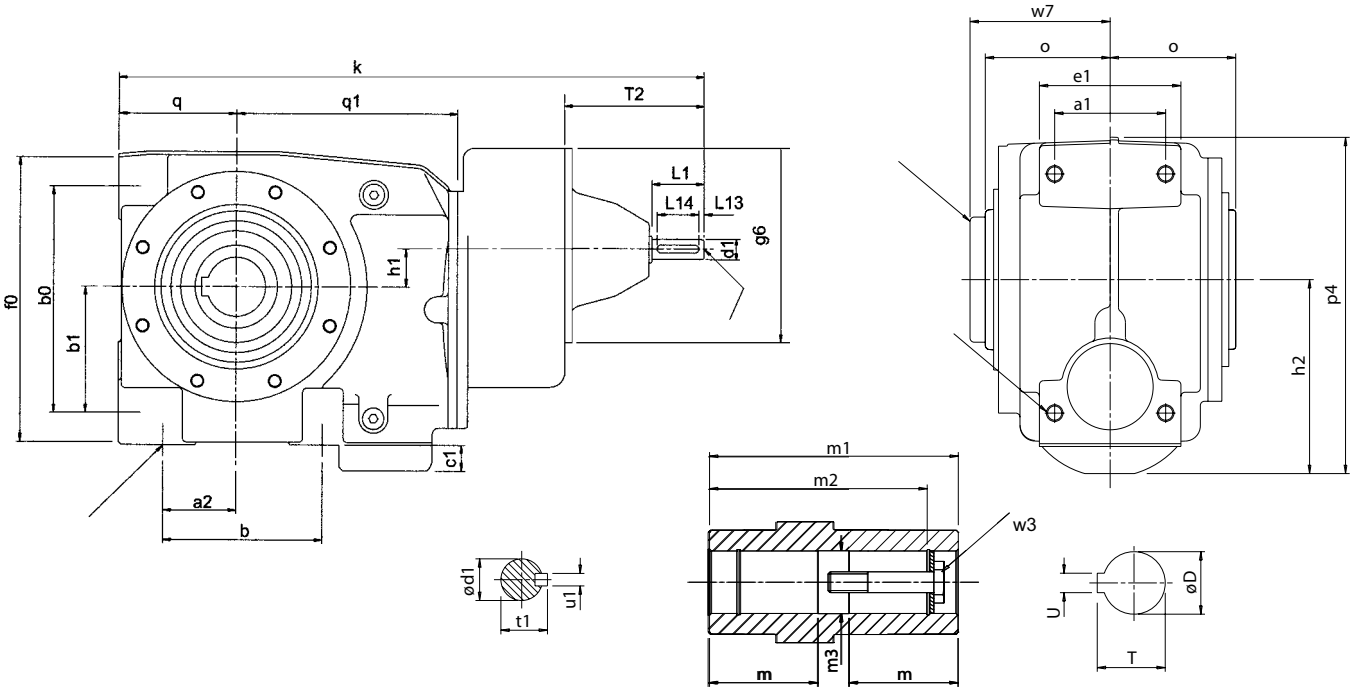
SIZE	p3	q	q1	s	s1	w7	T2	g6	k
C0721	302	143	220	18	M20x2.5, 34 deep	125	115	212	478
C0821	375	168	255	22	M20x2.5, 34 deep	143	160	250	583
C0921	457	195	300	26	M24x3, 45 deep	169	195	300	690
C1021	565	235	355	26	M24x3, 45 deep	198	233	360	823

SIZE	Input Shaft							Hollow Output Bore							
	d1	L1	L13	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0721	24 k6	50	5	40	27	8	M8x1.25, 19 deep	60	79	218	188	60.5	64.6	18	M20x2.5, 80 long
C0821	28 k6	60	5	50	31	8	M10x1.5, 22 deep	70	90	250	220	70.5	75.1	20	M20x2.5, 80 long
C0921	38 k6	80	5	70	41	10	M12x1.75, 28 deep	90	107.5	300	265	90.5	95.6	25	M24x3.0, 110 long
C1021	42 k6	110	10	70	45	12	M16x2.0, 36 deep	100	132.5	350	313	100.5	106.6	28	M24x3.0, 110 long

SERIES C

DIMENSIONS

TRIPLE REDUCTION



SIZE	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	k	o
C0331	54	35	63	80	40	9	70	139	30.75	79.5	330	62
C0431	56	35	80	118	65	7	80	158	21.2	93	349	65
C0531	68	46	100	14	277	16	86	177	23	11	2369	70
C0631	80	56	122	172	96	20	102	218	30	139.5	436	90

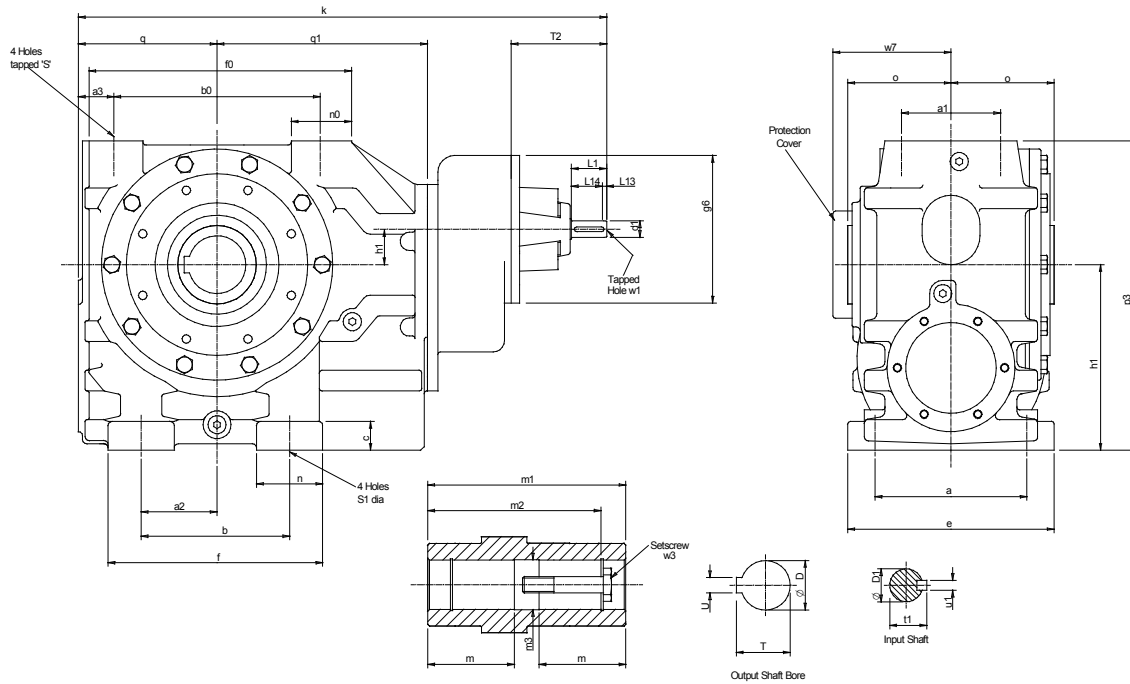
SIZE	p4	q	q1	s	T2	w7	g6
C0331	148	54	109	M8x1.25 - 15 deep	111	70	140
C0431	168	64	119	M10x1.5 - 18 deep	111	74.5	140
C0531	200	68	134	M10x1.5 - 18 deep	111	79	140
C0631	243	90	169	M12x1.75 - 20 deep	111	101	180

SIZE	Input Shaft							Hollow Output Bore							
	d1	L1	L13	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0721	16 k6	40	4	32	18	5	M5x0.8, 12 deep	20	52	124	104	20.2	22.9	6	M6x1.0 - 40 long
C0821	16 k6	40	4	32	18	5	M5x0.8, 12 deep	30	54	130	122	30.2	33.5	8	M10x1.5 - 50 long
C0921	16 k6	40	4	32	18	5	M5x0.8, 12 deep	35	56	140	127	35.3	38.5	10	M12x1.75
C1021	19 k6	40	4	32	21.5	6	M6x1.0, 16 deep	45	70	180	156	45.3	49	14	M16x2.0 - 70 long

SERIES C

DIMENSIONS

TRIPLE REDUCTION



SIZE	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	k	n	nx	o	p3	q	q1
C0731	150	100	75	35.5	135	215	28	185	202	280	180	34	560	67	63	109	302	143	220

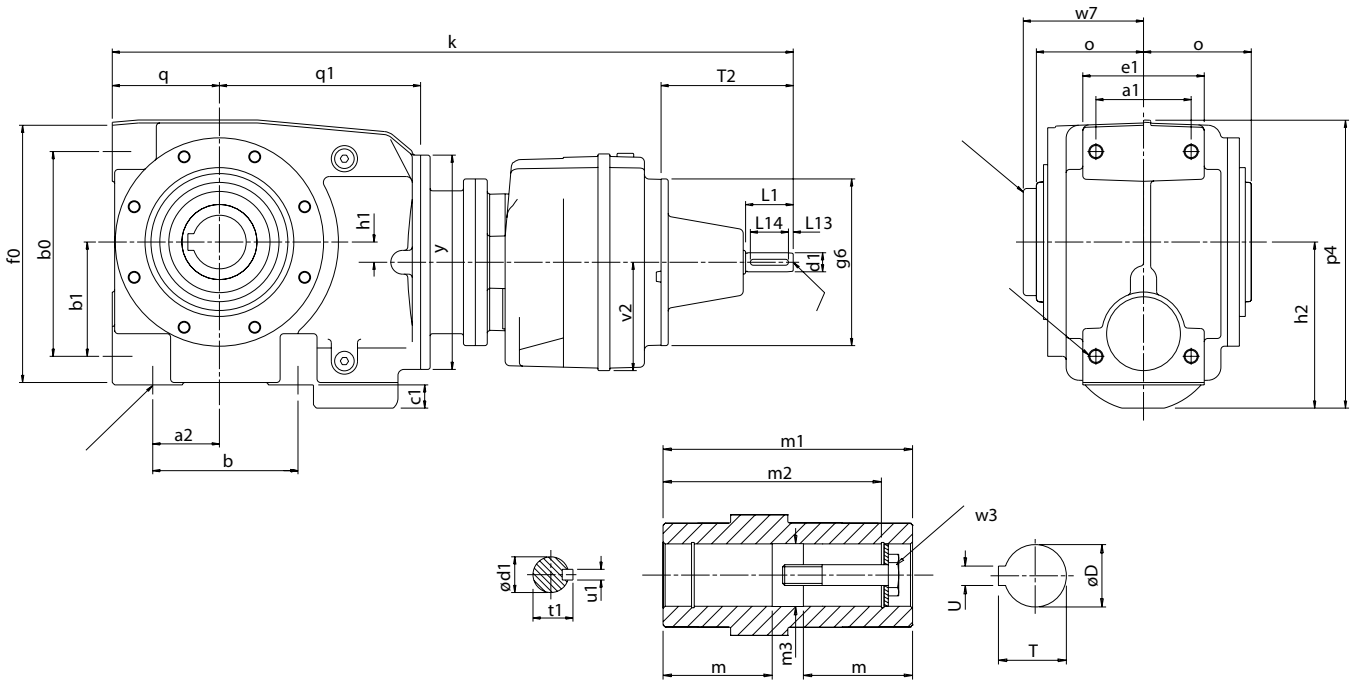
SIZE	p3	q	q1	s	s1	T2	w7	g6
C0731	302	143	220	18	M20x2.5 - 34 deep	111	125	212

SIZE	Input Shaft							Hollow Output Bore							
	d1	L1	L13	L14	t	u1	w1	D	m	m1	m2	m3	T	U	w3
C0731	24 k6	50	5	40	27	8	m8x1.25, 19deep	60	79	218	188	60.5	64.6	18	M20x2.5 - 80 long

SERIES C

DIMENSIONS

QUADRUPLE REDUCTION



SIZE	a1	a2	b	b0	b1	c1	e1	f0	h1	h2	o
C0341	54	35	63	80	40	9	70	139	5.3	79.5	62
C0441	56	35	80	118	65	7	80	158	15	93	65
C0541	68	45	100	142	77	16	86	177	13	112	70
C0641	80	56	122	172	96	20	102	218	17	139.5	90

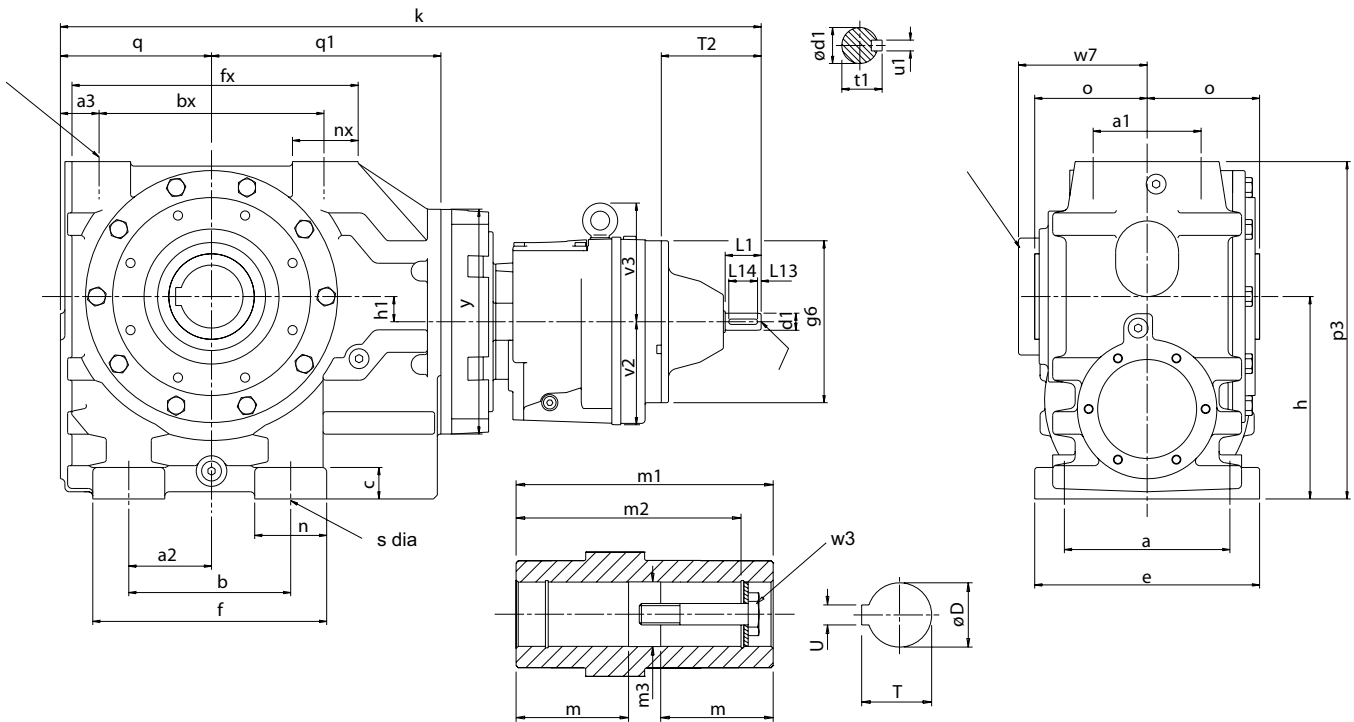
SIZE	p4	q	q1	s	v2	w7	y	T2	g6	k
C0341	148	54	109	M8x1.25, 15 deep	76	70	140	111	140	460
C0441	168	64	119	M10x1.5, 20 deep	76	74.5	140	111	140	480
C0541	200	68	134	M10x1.5, 18 deep	76	79	140	111	140	499
C0641	243	90	169	M12x1.75, 20 deep	91	101	180	111	140	572

SIZE	Input Shaft							Hollow Output Bore							
	d1	L1	L13	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0341	16 k6	40	4	32	18	5	M5x0.8, 12 deep	20	52	124	104	20.2	22.9	6	M6x1.0, 40 long
C0441	16 k6	40	4	32	18	5	M5x0.8, 12 deep	30	54	130	122	30.2	33.5	8	M10x1.5, 50 long
C0541	16 k6	40	4	32	18	5	M5x0.8, 12 deep	35	56	140	127	35.3	38.5	10	M12x1.75, 55 long
C0641	16 k6	40	4	32	18	5	M5x0.8, 12 deep	45	70	180	156	45.3	49	14	M16x2.0, 70 long

SERIES C

DIMENSIONS

QUADRUPLE REDUCTION



SIZE	a	a1	a2	a3	b	bx	c	e	f	fx	h	h1	n	nx	o
C0741	150	100	75	35.5	135	215	28	185	202	280	180	26	67	63	109
C0841	200	120	92	43	180	250	35	250	260	326	225	28	80	71	125
C0941	250	135	115	50	235	290	40	305	320	380	280	40	85	85	150
C1041	300	150	170	62.5	310	345	45	360	420	460	335	65	110	107	175

SIZE	p3	q	q1	s	s1	v2	v3	w7	y	T2	g6	k
C0741	302	143	220	18	M20x2.5, 34 deep	91	-	125	212	111	140	677
C0841	375	168	255	22	M20x2.5, 34 deep	115	-	143	250	111	180	779
C0941	457	195	300	26	M24x3, 45 deep	115	-	169	300	111	180	862
C1041	565	235	355	26	M24x3, 45 deep	140	155	198	360	115	212	997

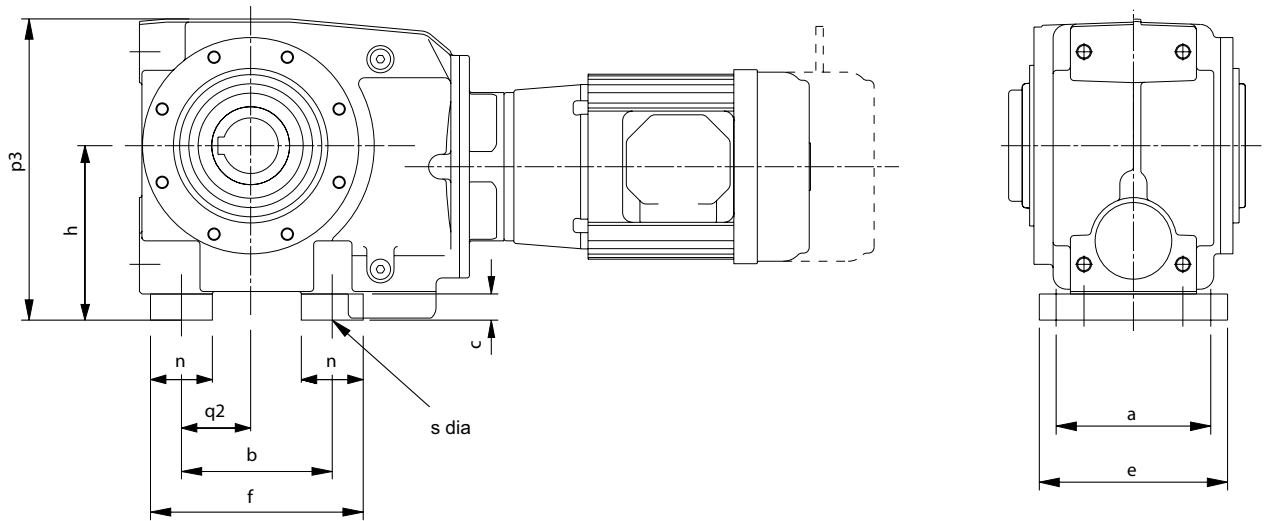
SIZE	Input Shaft							Hollow Output Bore							
	d1	L1	L13	L14	t1	u1	w1	D	m	m1	m2	m3	T	U	w3
C0741	16 k6	40	4	32	18	5	M5x0.8, 12 deep	60	79	218	188	60.5	64.6	18	M20x2.5, 80 long
C0841	19 k6	40	4	32	21.5	6	M6x1.0, 16 deep	70	90	250	220	70.5	75.1	20	M20x2.5, 80 long
C0941	19 k6	40	4	32	21.5	6	M6x1.0, 16 deep	90	107.5	300	265	90.5	95.6	25	M24x3.0, 110 long
C1041	24 k6	50	5	40	27	8	M8x1.25, 19 deep	100	132.5	350	313	100.5	106.6	28	M24x3.0, 110 long

SERIES C

DIMENSIONS - FEET

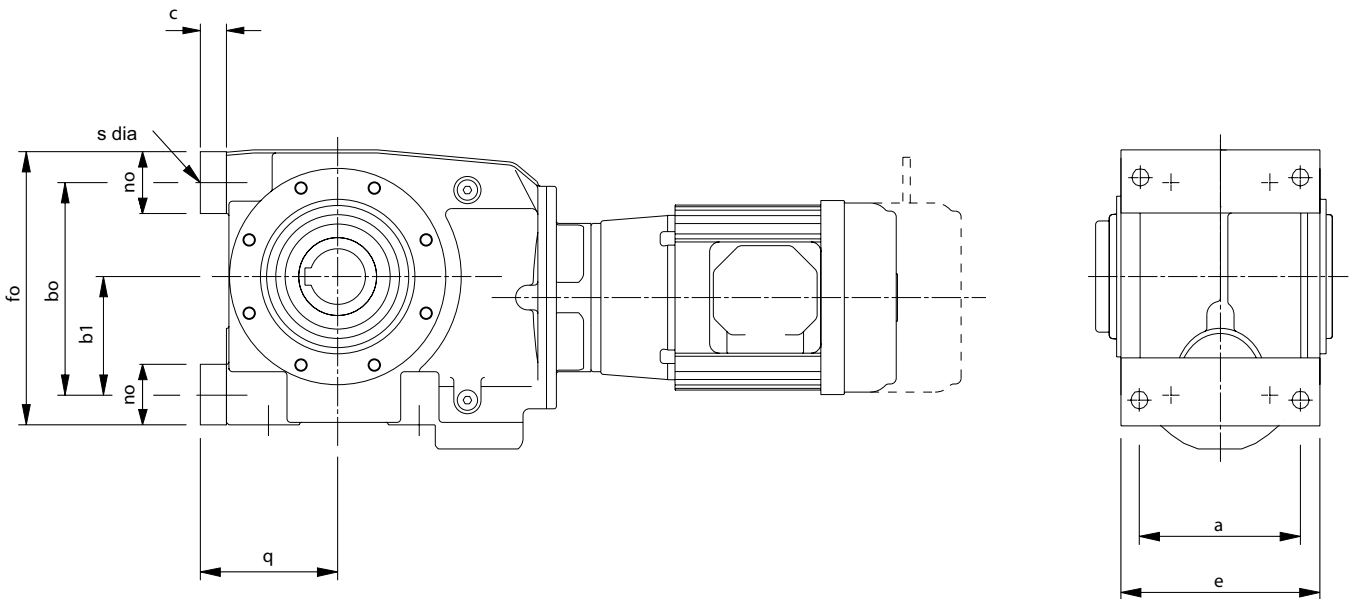
C 0 2 B R

STANDARD UNIT WITH BASE MOUNTED FEET



C 0 2 E R

STANDARD UNIT WITH END MOUNTED FEET



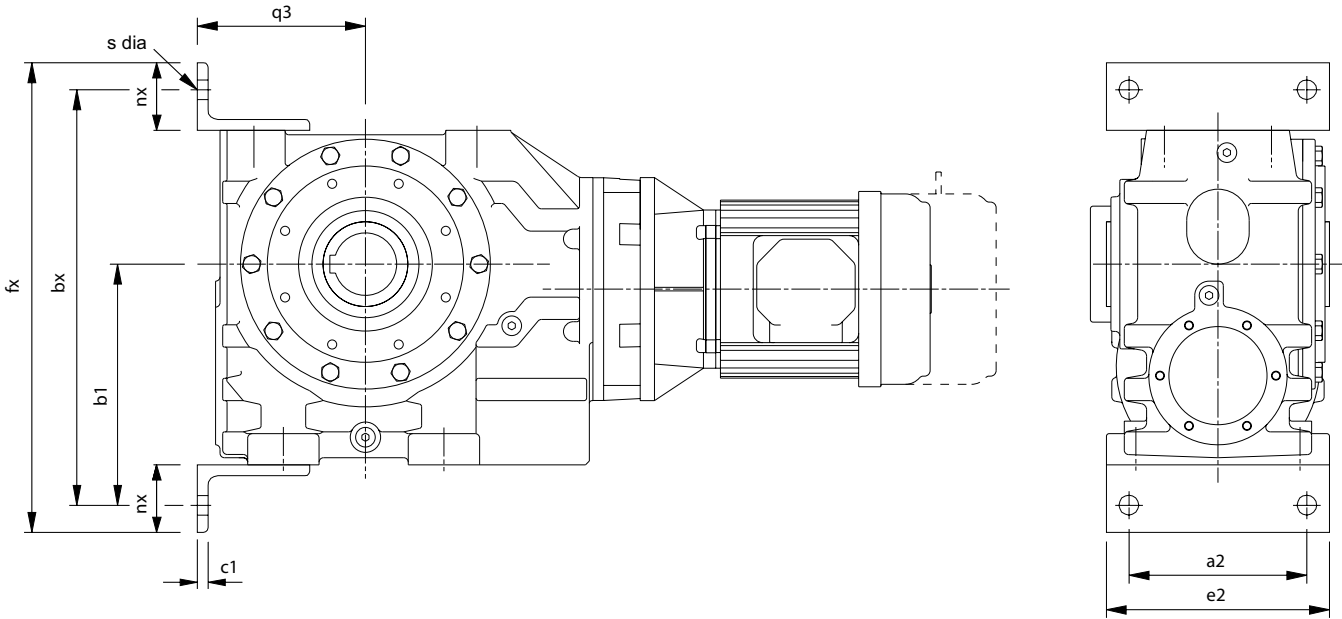
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C03	90	63	80	40	9	110	88	105	80	25	25	148	63	35	9
C04	100	80	118	65	14	124	115	153	100	35	35	175	78	35	11
C05	110	100	142	77	16	136	140	182	112	40	40	200	84	45	11
C06	130	130	180	100	20	160	172	222	140	50	50	243	110	60	14

SERIES C

DIMENSIONS - FEET

C [] [] [] [] [] [] [] [] [] [] E R

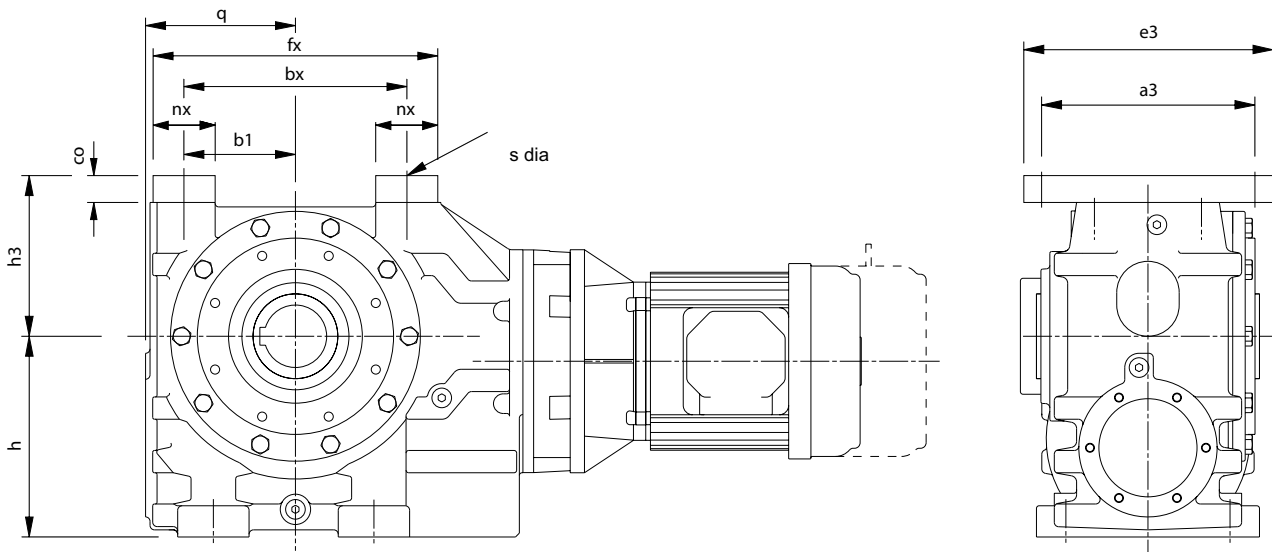
STANDARD UNIT WITH END MOUNTED FEET



SIZE	a2	bx	b1	c1	e2	fx	nx	q3	s
C07	170	392	225	12	220	452	75	162	22
C08	200	465	270	12	250	525	75	187	22
C09	250	557	330	15	305	637	90	220	26
C10	300	665	385	15	360	745	90	260	26

C [] [] [] [] [] [] [] [] [] [] R R

STANDARD UNIT WITH TOP MOUNTED FEET



SIZE	a3	b1	bx	co	e3	fx	h	h3	nx	q	s
C07	205	107.5	215	28	256	278	180	150	63	143	24
C08	225	125	250	30	280	320	225	180	70	168	24
C09	240	145	290	35	300	370	280	212	80	195	28
C10	265	172.5	345	35	330	445	335	265	100	235	28

SERIES C

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 position 1 running continuously with an ambient temperature equal to 20°C. For other mounting positions, ambients and units operating intermittently multiply thermal power ratings by factors Ft, Fp and Fd as appropriate.

TABLE 1 Thermal Power (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 our Application Engineers				
	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 our Application Engineers				
	1750	1.28	2.03	3.48	3.53					
	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				
	1	2 & 3	4	5	6
0 to 25	1.00	0.997	0.996	0.995	0.993
>25 to 50	1.00	0.993	0.990	0.986	0.982
>50 to 75	1.00	0.987	0.981	0.974	0.968
>75 to 100	1.00	0.980	0.970	0.960	0.950
>100 to 200	1.00	0.943	0.914	0.886	0.858
>200 to 300	1.00	0.896	0.844	0.792	0.840
>300 to 400	1.00	0.840	0.760	0.680	0.600
>400	1.00	0.809	0.724	0.618	0.533

TABLE 4. Thermal service factor Fd

Thermal service factor for duration of running

Unit Output Speed (Rev / min)	% Running time per hour				
	100	80	60	40	20
0 to 10	1.00	1.18	1.45	1.72	2.38
>10 to 25	1.00	1.16	1.39	1.64	2.22
>25 to 50	1.00	1.14	1.31	1.54	2.00
>50 to 100	1.00	1.08	1.19	1.33	1.64
>100 to 150	1.00	1.04	1.08	1.19	1.41
>150 to 200	1.00	1.00	1.00	1.06	1.23
>200	1.00	1.00	1.00	1.00	1.00

SERIES C FAN COOLED UNITS

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 our Application Engineers			
	1750	-	-	-	-	Consult our Application Engineers			
	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 our Application Engineers			
	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.

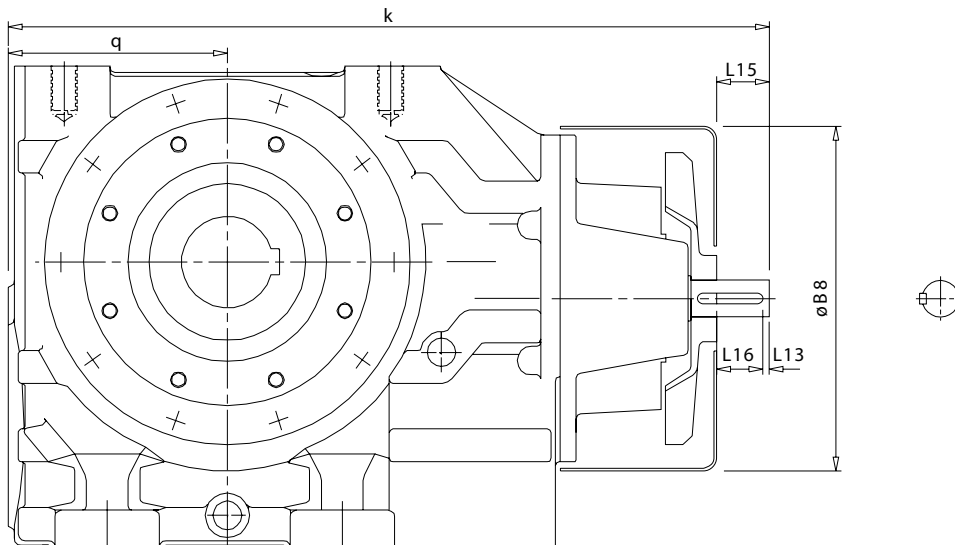
Column 10 Entry

For reducer fan kit modules enter S in column 10

or if used in conjunction with a reducer backstop module kit

- Y CW rotation
- Z CCW rotation

Dimensions of Fan Cooled Units



Unit Size	øB8	k	L13	L15	L16	q
C0721	225	478	5	35	30	143
C0821	265	583	5	45	40	168
C0921	320	690	5	65	60	195
C1021	380	823	10	95	85	235

SERIES C

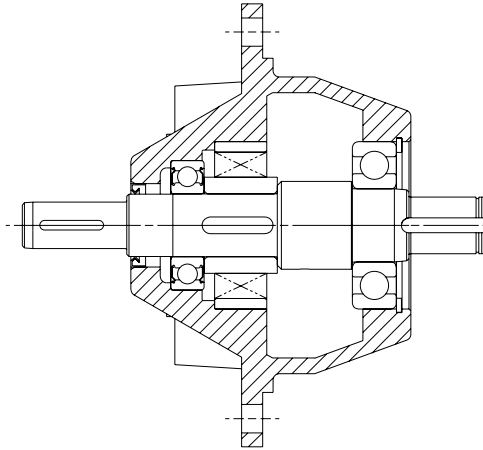
REDUCER BACKSTOP MODULE

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

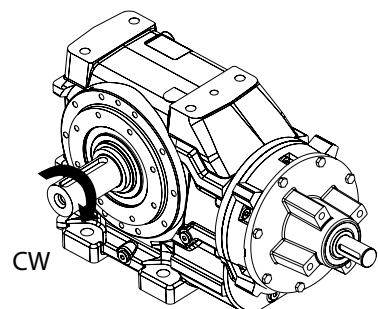
For reducer fan kit modules enter W for CCW rotation (or Z if used in conjunction with a fan kit)
X for CW rotation (or Y if used in conjunction with a fan kit)



Unit Size	Lift off Speed ('n' min) at inputshaft (rev/min)	Rated Locking Torque ('T max') at inputshaft (Nm)
C0622/C0842/C0941	800	100
C0722/C1041	670	170
C0822	670	300
C0921	620	940
C1021	550	1260

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



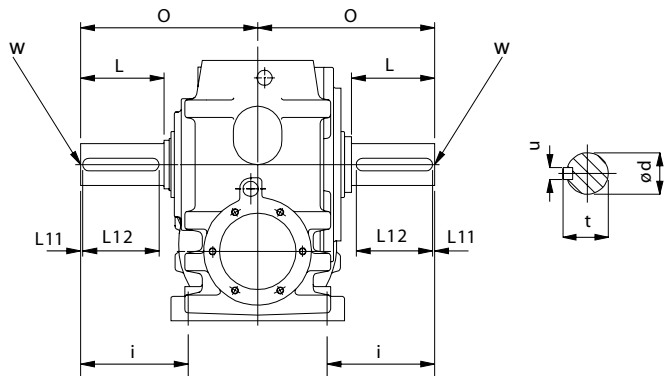
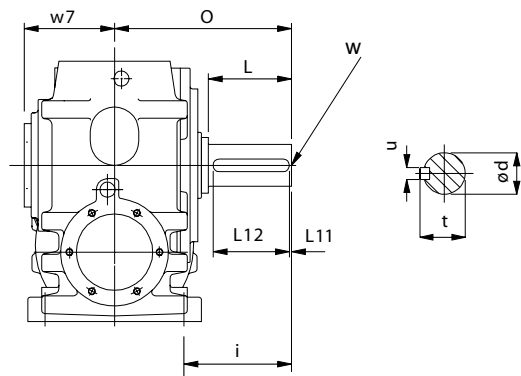
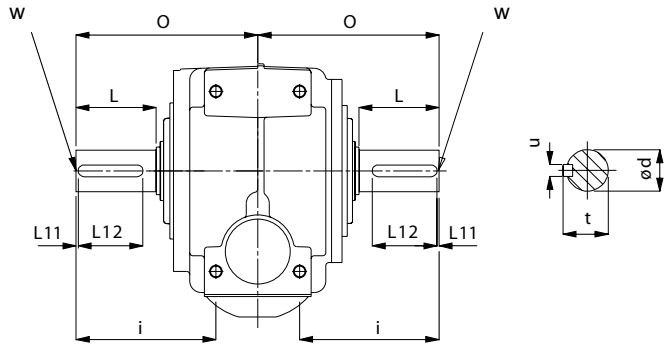
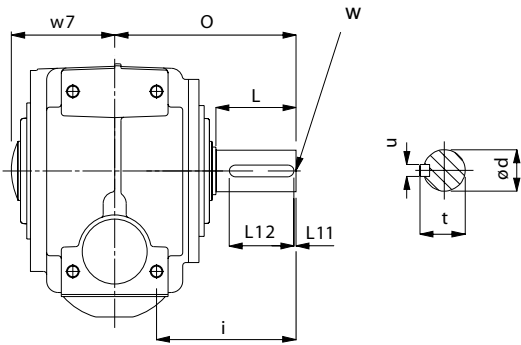
SERIES C

DIMENSIONS

OUTPUTSHAFT OPTIONS

STANDARD OUTPUTSHAFT OPTION

STANDARD DOUBLE EXTENDED OUTPUTSHAFT OPTION



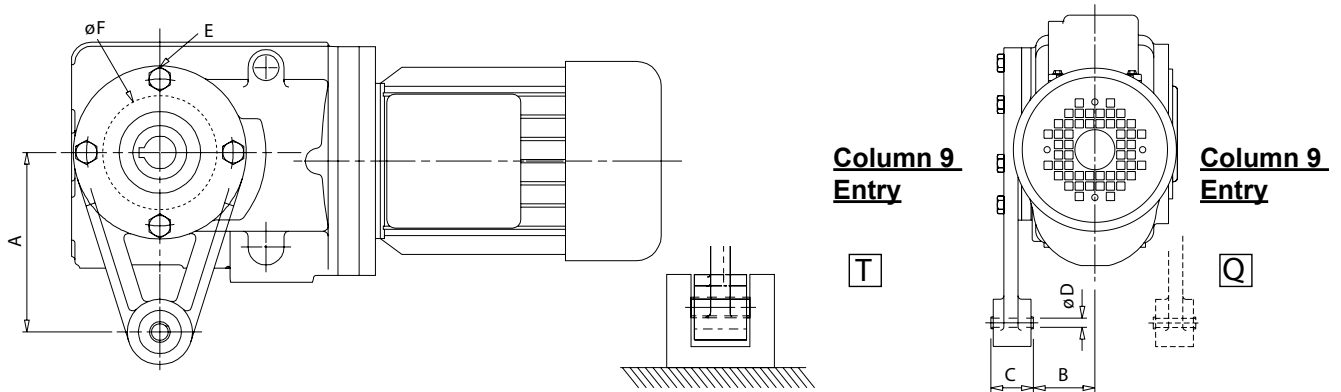
all parallel keys are to DIN 6885

SIZE	ød	i	L	L11	L12	O	t	u	w	w7
C0321	20.015 / 20.002	73	35	3	31	100	22.5	6	M8 x 1.0, 16 Deep	70
C0421	25.015 / 25.002	87	46	3	42	115	28	8	M10 x 1.5, 22 Deep	74.8
C0521	30.015 / 30.002	100	60	3	53	134	33	8	M10 x 1.5, 22 Deep	79
C0621	35.018 / 35.002	120	63	3	55	160	38	10	M12 x 1.75, 25 Deep	101
C0621 Heavy Duty	45.018 / 45.002	155	98	5	80	195	48.5	14	M12 x 1.75, 25 Deep	101
C0721	45.018 / 45.002	120	76	3	70	195	48.5	14	M16 x 2, 36 Deep	125
C0821	60.030 / 60.011	155	120	3	110	255	64	18	M20 x 2.5, 42 Deep	143
C0921	70.030 / 70.011	170	135	3	125	295	74.5	20	M20 x 2.5, 42 Deep	169
C1021	90.035 / 90.013	216	170	3	160	366	95	25	M24 x 3, 50 Deep	198

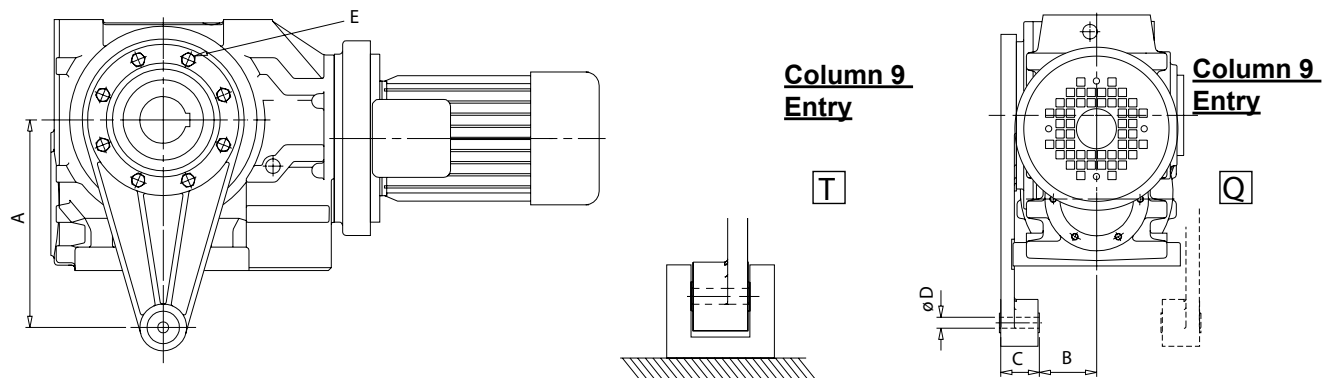
SERIES C

TORQUE ARM

It is recommended that the torque arm is positioned such that it is fitted on the side of the unit adjacent to the driven machine.



SIZE OF UNIT	DIMENSIONS IN MM					
	A	B	C	ϕD	E	ϕF (Spigot Dia)
C03	110	47	36	10.3	4 x M8 on a 90 pcd	69.990 / 6 9.969
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



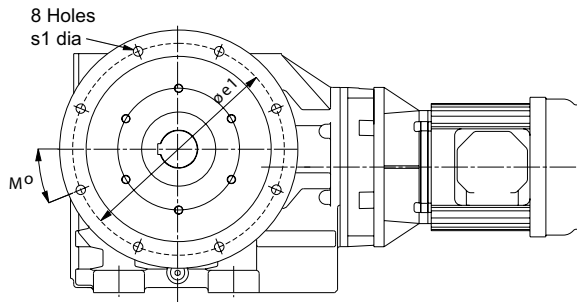
SIZE OF UNIT	DIMENSIONS IN MM					
	A	B	C	ϕD	E	
C07	250	77.5	60	16.4	6 x M12 on a 150 pcd	
C08	310	85.5	60	16.4	6 x M12 on a 195 pcd	
C09	380	98	80	25	6 x M16 on a 230 pcd	
C10	430	137	80	25	10 x M16 on a 280 pcd	

SERIES C

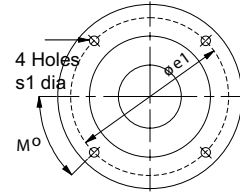
DIMENSIONS

D (B5) FLANGE

Sizes C09 & C10

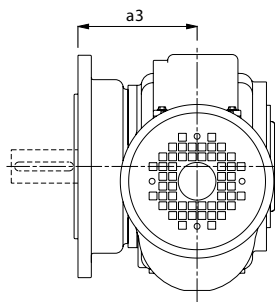


Sizes C03 to C08



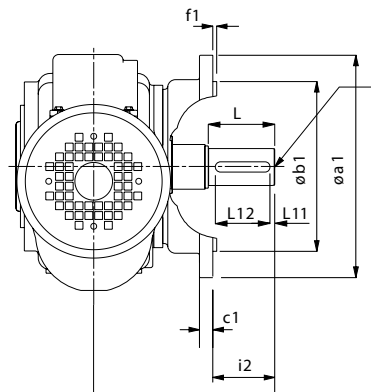
Column 9 Entry

F B5 (D) Output Flange on Left

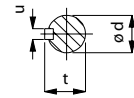


Column 9 Entry

H B5 (D) Output Flange on Right



v



SIZE	øa1	a3	øb1	c1	øe1	f1	m	øs1
C03 Red Dia	120	75	80 j6	8	100	3	45°	6.6
C03	160	75	110 j6	10	130	4	45°	9
C04	160	86	110 j6	10	130	3.5	45°	9
C05	200	107	130 j6	12	165	3.5	45°	11
C06	200	120	130 j6	12	165	3.5	45°	11
C07	250	145	180 j6	12	215	4	45°	14
C08	350	170	250 h6	18	300	5	45°	18
C09	450	200	350 h6	20	400	5	22.5°	18
C10	450	232	350 h6	22	400	5	22.5°	18

SIZE	Standard Output Shaft - Column 11 Entry C								
	ød	i 2	L	L11	L12	o	t	u	v
C0321	20.015 / 20.002	25	35	3	31	100	22.5	6	M8 x 1.0, 16 Deep
C0421	25.015 / 25.002	29	46	3	42	115	28	8	M10 x 1.5, 22 Deep
C0521	30.015 / 30.002	27	60	3	53	134	33	8	M10 x 1.5, 22 Deep
C0621	35.018 / 35.002	40	63	3	55	160	38	10	M12 x 1.75, 22 Deep
C0621 Heavy Duty	45.018 / 45.002	75	98	5	80	195	48.5	14	M12 x 1.75, 22 Deep
C0721	45.018 / 45.002	50	76	3	70	195	48.5	14	M16 x 2, 36 Deep
C0821	60.030 / 60.011	85	120	3	110	255	64	18	M20 x 2.5, 42 Deep
C0921	70.030 / 70.011	95	135	3	125	295	74.5	20	M20 x 2.5, 42 Deep
C1021	90.035 / 90.013	134	170	3	160	366	95	25	M24 x 3, 50 Deep

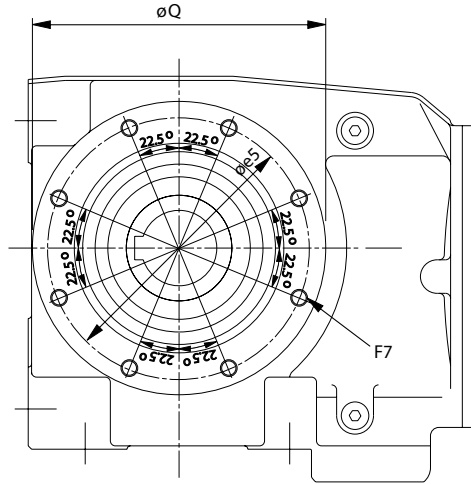
SERIES C

DIMENSIONS

C (B14) FLANGE

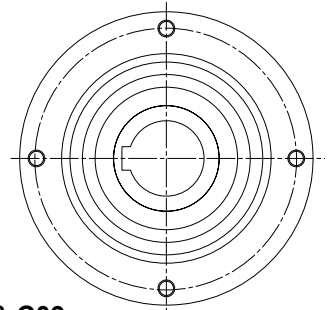
C04, C05, C06 & C08

Eight hole pattern



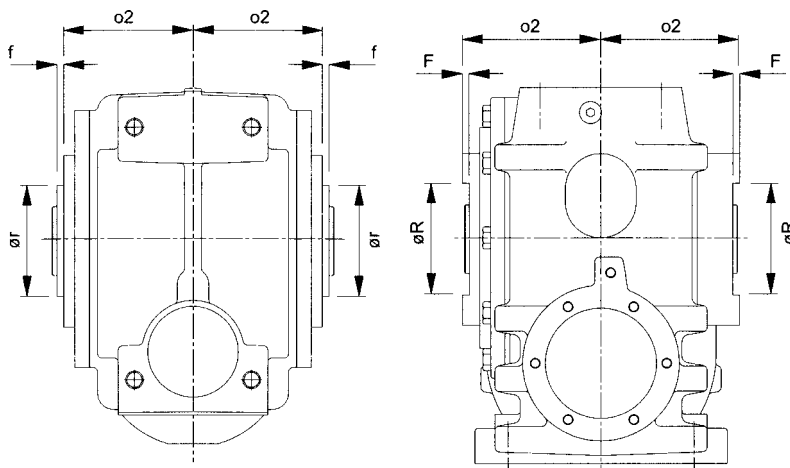
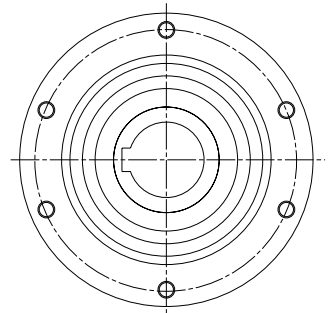
C03

Four hole pattern



C07 & C09

Six hole pattern

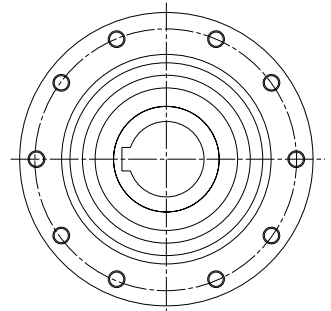


Male spigot
C03 - C06

Female recess
C07 - C10

C10

Ten hole pattern



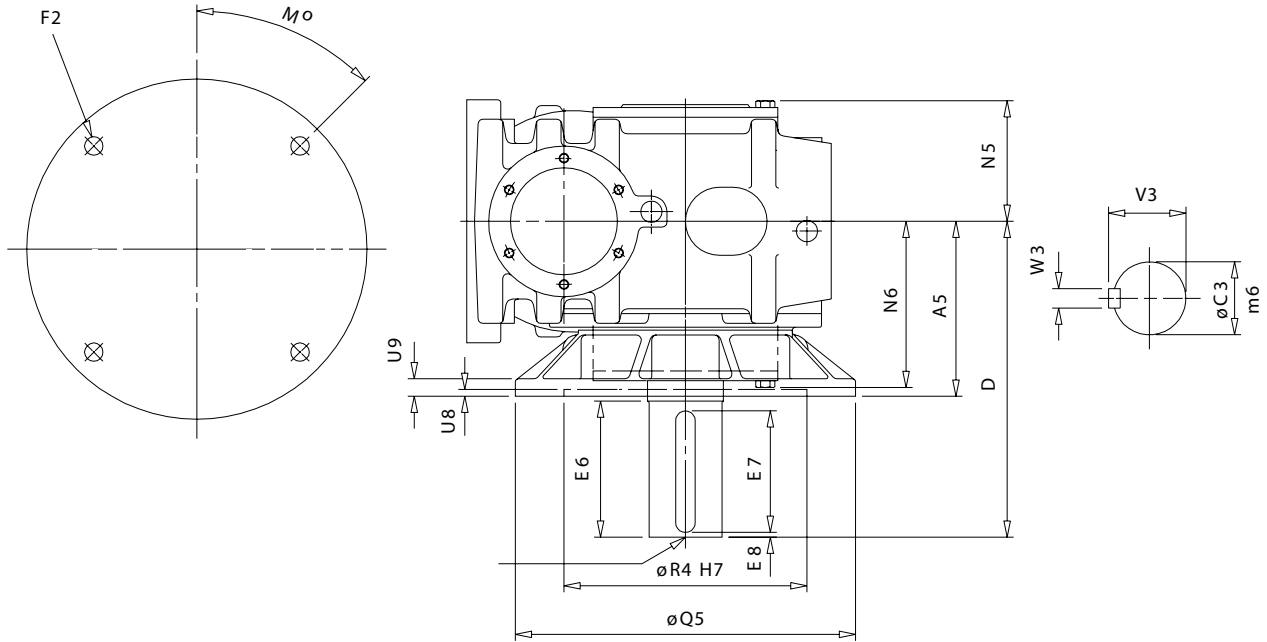
SIZE	$\varnothing e5$	F7	$\varnothing 2$	Q	$\varnothing r$ h7 spigot \varnothing	$\varnothing R$ H7	Spigot	Recess
C03	90 pcd	4 Holes M8 x 1.25, 22 Deep	57	106	70	-	4	-
C04	107 pcd	8 Holes M8 x 1.25, 22 Deep	57	122	85	-	4	-
C05	130 pcd	8 Holes M8 x 1.25, 22 Deep	62	146	105	-	4	-
C06	155 pcd	8 Holes M10 x 1.5, 27 Deep	81	175	125	-	5	-
C07	150 pcd	6 Holes M12 x 1.75, 22 Deep	104	180	-	130	-	4.5
C08	195 pcd	8 Holes M12 x 1.75, 21 Deep	120	220	-	150	-	5.0
C09	230 pcd	6 Holes M16 x 2.0, 27 Deep	144	280	-	180	-	5.0
C10	280 pcd	10 Holes M16 x 2.0, 27 Deep	167	360	-	210	-	7.0

SERIES C

AGITATOR UNITS

AGITATOR - Non Standard Special Build.

Please consult our Application Engineers



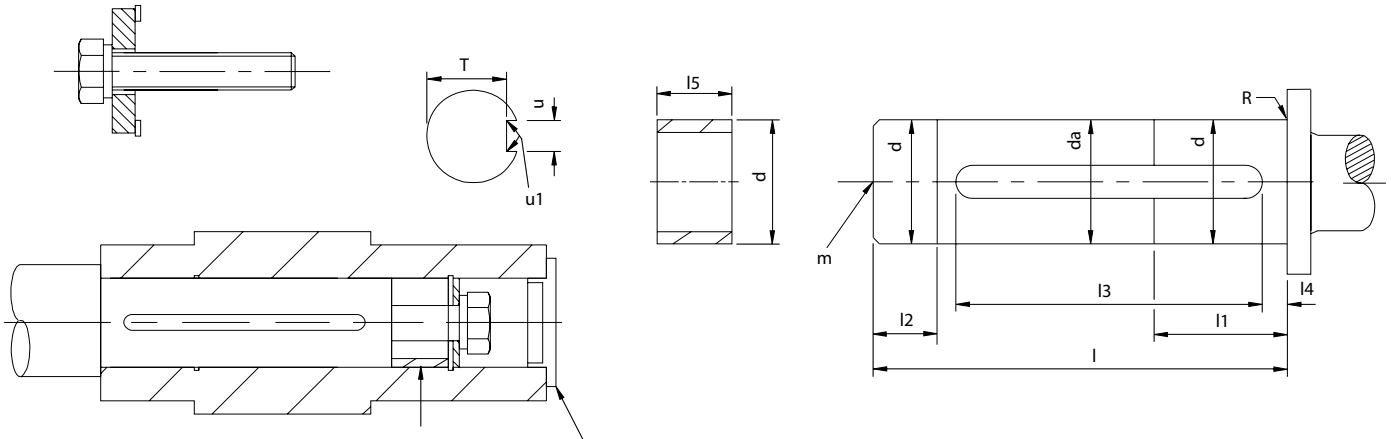
SIZE	A5	C3	D	E6	E7	E8	$\phi F2$	K2	M	N5	N6	Q5	R4	U8	U9	V3	W3
C07	160	65	290	125	110	5	4 x $\phi 15$ on 265 pcd	M20 x 2.5, 40 deep	45°	109	149	300	230	6	16	69	18
C08	180	75	325	140	125	5	4 x $\phi 19$ on 300 pcd	M20 x 2.5, 40 deep	45°	124	171	350	250	7	17	79.5	20
C09	200	85	360	155	140	5	4 x $\phi 19$ on 350 pcd	M24 x 3, 50 deep	45°	142	192	400	300	7	20	90	22
C10	212	100	392	175	160	5	8 x $\phi 19$ on 400 pcd	M24 x 3, 50 deep	22.5°	152.5	205	450	350	7	22	106	28

SERIES C

DIMENSIONS

STANDARD BORE ASSEMBLY

ASSEMBLY ONTO SHAFT - CUSTOMERS SHAFT DETAIL



SIZE	Bore	d	da	l	l1	l2	l3	l4	l5	m	N	R	T	u	u1
C03	Std	19.993/ 19.980	19.6	82	30	10	61.3 61.0	3	22	M6 x 1.0 16 deep	8 Nm	0.8R	16.5 16.4	6.000 / 5.970	0.16 0.25R
	Reduced	24.993/ 24.980	24.6	99	38	13	79.3 79.0	3	23	M10 x 1.5 22 deep	15 Nm	0.8R	21.0 20.8	8.000 / 7.964	0.16 0.25R
C04	Std	29.993/ 29.980	29.6	99	45	15	79.3 79.0	3	26	M10 x 1.5 22 deep	15 Nm	0.8R	26.0 25.8	8.000 / 7.964	0.16 0.25R
	Reduced	29.993/ 29.980	29.6	104	45	15	79.3 79.0	3	23	M10 x 1.5 22 deep	15 Nm	0.8R	26.0 25.8	8.000 / 7.964	0.16 0.25R
C05	Std	34.991/ 34.975	34.6	104	53	18	77.3 77.0	3	23	M12 x 1.75 28 deep	20 Nm	0.8R	30.0 29.8	10.000 / 9.964	0.16 0.25R
	Reduced	39.991/ 39.975	39.6	125	60	20	100.5 100.0	3	31	M16 x 2 36 deep	45 Nm	0.8R	35.0 34.8	12.000 / 11.957	0.4 0.25R
C06	Std	44.991/ 44.975	44.6	125	68	23	101.5 101.0	3	31	M16 x 2 36 deep	45 Nm	0.8R	39.5 39.3	14.000 / 13.957	0.4 0.25R
	Reduced	49.991/ 49.975	49.6	153	75	25	130.5 130.0	3	35	M16 x 2 38 deep	45 Nm	1.2R	44.5 44.3	14.000 / 13.957	0.4 0.25R
C07	Std	59.990 / 59.971	59.6	153	90	30	148.5 148.0	3	38	M20x 2.5 42 deep	85 Nm	1.2R	53.0 52.8	18.000 / 17.957	0.4 0.25R
	Reduced	59.990 / 59.971	59.6	183	91	31	148.5 148.0	3	37	M20x 2.5 42 deep	85 Nm	1.2R	53.0 52.8	18.000 / 17.957	0.4 0.25R
C08	Std	69.990 / 69.971	69.6	183	105	35	177.5 177.0	3	37	M20 x 2.5 42 deep	85 Nm	1.2R	62.5 62.3	20.000 / 19.94	0.6 80.4R
	Reduced	69.990 / 69.971	69.6	227	105	35	177.5 177.0	3	58	M20 x 2.5 42 deep	85 Nm	1.2R	62.5 62.3	20.000 / 19.94	0.6 80.4R
C09	Std	89.988 / 89.966	89.6	227	135	45	221.5 221.0	3	58	M24 x 3.0 50 deep	200 Nm	1.2R	81.0 80.8	25.000 / 24.948	0.6 0.4R
	Reduced	79.990 / 79.971	79.6	260	120	40	225.5 225.0	3	53	M20 x 2.5 42 deep	85 Nm	1.2R	71.0 70.8	22.000 / 21.946	0.6 0.4R
C10	Std	99.988/ 99.966	99.6	327	150	45	238.5 238.0	10	46	M24 x 3 50 deep	200 Nm	1.2R	90 89.8	28.000/ 27.948	0.4 0.4R
	Reduced	79.990 / 79.971	79.6	260	120	40	225.5 225.0	3	53	M20 x 2.5 42 deep	85 Nm	1.2R	71.0 70.8	22.000 / 21.946	0.6 0.4R

Assembly Instructions

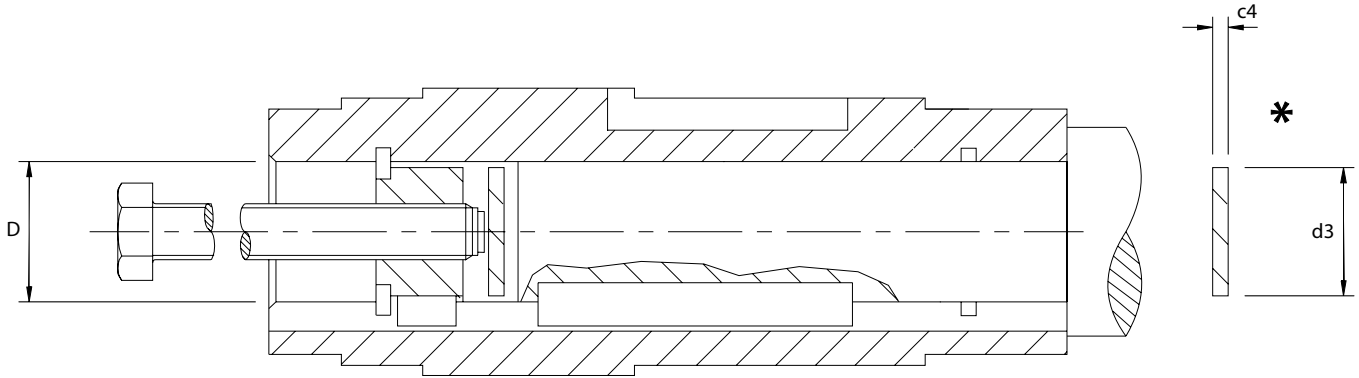
1. Spray the hollow shaft bore and mating diameter of the output shaft with Rocol DFSM or equivalent antiscuffing spray.
2. Fit key into shaft.
3. Fit the circlip into the output sleeve.
4. Fit the spacer tube only if the output shaft has no shoulder, then fit the output shaft into the output sleeve.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

SERIES C

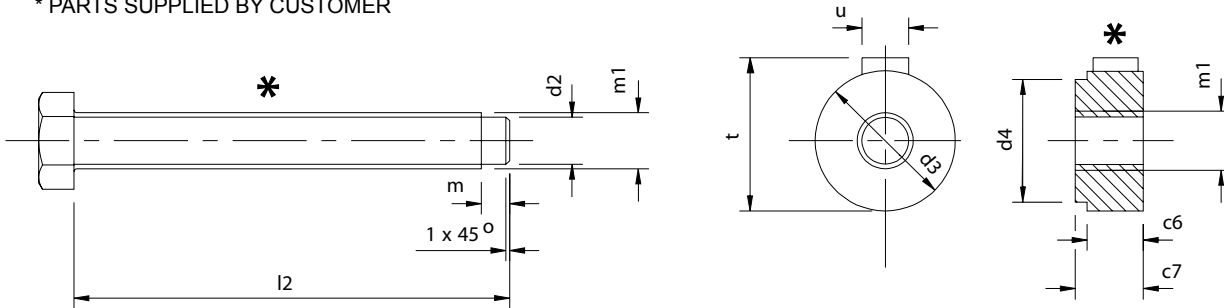
DIMENSIONS

STANDARD BORE DISASSEMBLY

DISASSEMBLY METHOD FROM SHAFT



* PARTS SUPPLIED BY CUSTOMER



SIZE	Bore	c4	c6	c7	D (H7)	d2	d3	d4	l2	m	m1	t	u
C03	Std	5	10	12	20	7	19.9	11.2	120	3	M10 x 1.5	22	6
C04	Reduced	5	15	17	25	13	24.9	16.2	160	3	M16 x 1.5	2	8
	Std	5	15	17	30	13	29.9	20.8	160	3	M16 x 1.5	33	8
C05	Reduced	5	15	17	30	13	29.9	20.8	160	3	M16 x 1.5	33	8
	Std	5	15	17	35	13	34.9	25.2	160	3	M16 x 1.5	38	10
C06	Reduced	5	20	23	40	20	39.9	30.9	220	3	M24 x 1.5	43	12
	Std	5	20	23	45	20	44.9	34.1	220	3	M24 x 1.5	49	14
C07	Reduced	5	20	23	50	20	49.9	39.0	220	3	M24 x 1.5	54	14
	Std	8	24	27	60	26	59.9	47.4	250	5	M30 x 1.5	64	1
C08	Reduced	8	24	27	60	26	59.9	47.4	250	5	M30 x 1.5	64	1
	Std	8	24	27	70	26	69.9	58.4	310	5	M30 x 1.5	74.5	20
C09	Reduced	8	24	27	70	26	69.9	58.4	310	5	M30 x 1.5	74.5	20
	Std	8	24	27	90	26	89.9	75.3	360	5	M30 x 1.5	95	25
C10	Reduced	8	24	27	80	26	79.9	65.5	360	5	M30 x 1.5	85	22
	Std	8	30	34	100	32	99.9	84.1	420	5	M36 x 1.5	106	2

SERIES C

SHIPPING SPECIFICATION

BASE MOUNT UNITS WITH STANDARD HOLLOW SHAFT

UNIT SIZE & No OF REDUCTIONS			C0321	C0331	C0341	C0421	C0431	C0441	C0521	C0531	C0541	C0621	C0631	C0641	C0721	C0731	C0741	C0821	C0841	C0921	C0941	C1021	C1041		
Reducer Version			11	14	20	15	18	23	18	21	28	32	38	43	74	81	83	117	143	181	204	326	372		
Single Output Shaft			0.4			1.0			1.5			3.7			7.0			12		19		30			
Double Output Shaft			0.6			1.5			2.3			5.6			11			18		28		45			
MOTORISED	63	Without Motor	12	13	20	16	17	24	18	19	29	28	33	44		80	83								
		With Motor	16	17	25	20	21	29	23	24	33	32	37	48		84	88								
	71	Without Motor	11	13	20	15	17	24	18	19	28	28	33	44		80	83								
		With Motor	18	19	26	22	23	30	25	26	35	34	39	50		87	89								
	80A	Without Motor	12	14	20	16	18	24	19	22	29	31	35	44	71	80	83	118	143	174	204			369	
		With Motor	21	23	30	25	27	34	28	31	38	39	43	54	80	88	93	127	152	183	213			37	
	80B	Without Motor	12	14	20	16	18	24	19	22	29	31	35	44	71	80	83	118	143	174	204			369	
		With Motor	23	25	31	27	29	35	30	33	40	42	46	55	82	91	94	129	154	185	215			380	
	90S	Without Motor	13	15	21	16	18	25	19	22	30	32	35	45	72	80	84	118	144	174	205			370	
		With Motor	26	28	35	30	32	39	33	36	43	46	50	58	85	94	98	131	157	187	218			383	
	90L	Without Motor	13	15	21	16	18	25	19	22	30	32	35	45	72	80	84	118	144	174	205			370	
		With Motor	27	29	36	31	33	40	34	37	44	47	52	59	86	95	99	132	158	188	219			34	
	100L	Without Motor											35		74			120	146	176	207	313	372		
		With Motor											59		98			144	170	200	231	337	396		
	112M	Without Motor											35		74			120	146	176	207	313	372		
		With Motor											66		105			151	177	207	238	344	403		
	132S	Without Motor													76			123		179		316	374		
		With Motor													124			171		227		364	422		
	132M	Without Motor													76			123		179		316	374		
		With Motor													128			175		231		368	426		
	160M	Without Motor																128		184		321			
		With Motor																241		297		434			
	160L	Without Motor																128		184		321			
		With Motor																261		317		454			
	180M	Without Motor																		197		334			
		With Motor																		364		501			
	180L	Without Motor																		197		334			
		With Motor																		378		515			
200L	Without Motor																			201		338			
	With Motor																		433		570				
225S	Without Motor																			205		342			
	With Motor																		492		629				
225M	Without Motor																			205		342			
	With Motor																		527		664				

ALL WEIGHTS IN KG ALL WEIGHTS EXCLUDE LUBRICANT AND ARE FOR STANDARD SHAFT MOUNT UNITS, FOR BASE MOUNT UNITS ADD WEIGHT OF SHAFT (SHOWN AT TOP OF TABLE) TO THE FIGURES SHOWN ABOVE

Product Safety Information

IMPORTANT

General - The following information is important in ensuring safety. It **must** be brought to the attention of personnel involved in the selection of power transmission 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.

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

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

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

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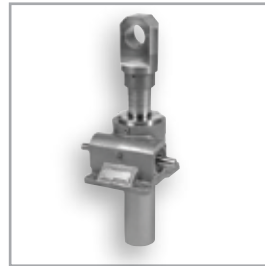
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