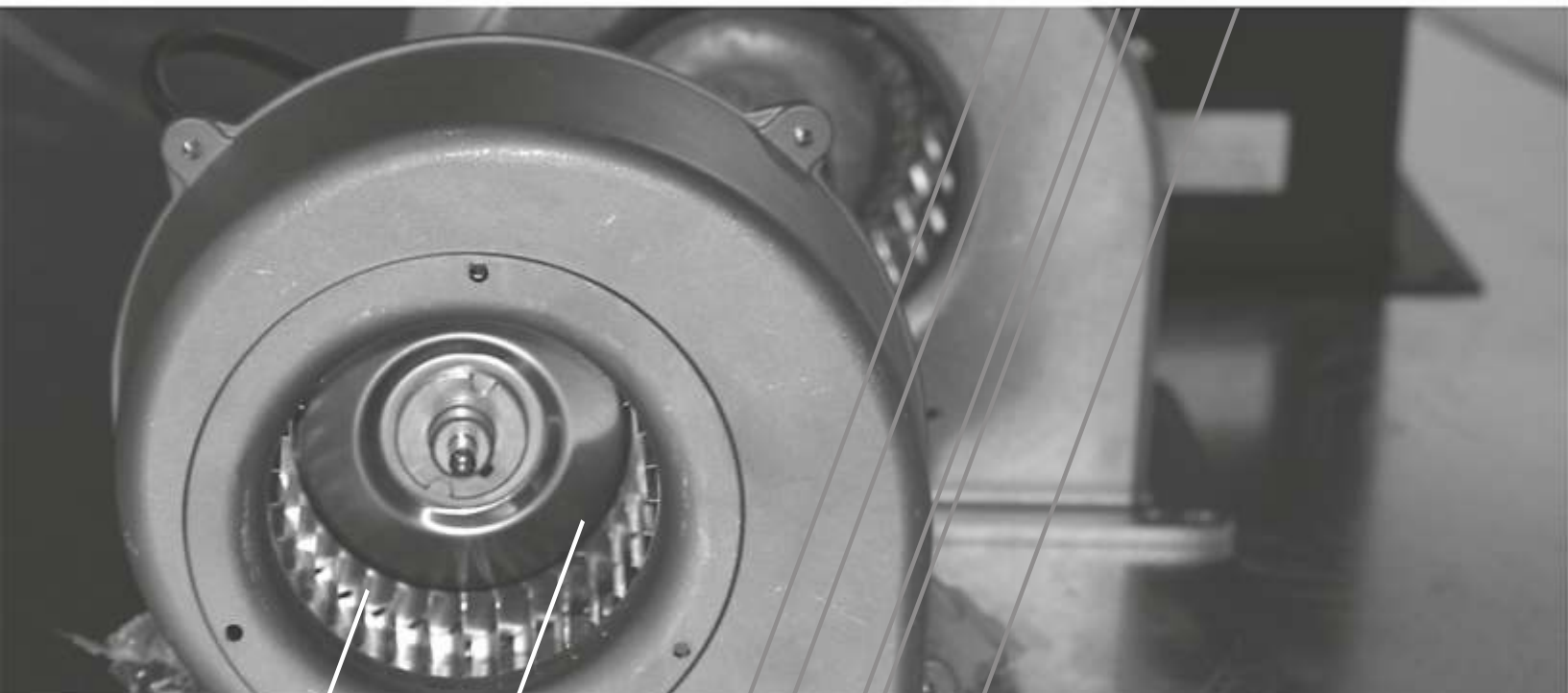




ELECTRIC MOTORS, FANS & BLOWERS

MOTORS



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| ☎ 01526 399 711

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MOTORS



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FAN MOTORS

SYNCHRONOUS VALVE MOTOR

SYNCHRONOUS MOTORS ARE COMMONLY FOUND IN CENTRAL HEATING SYSTEMS.

A boiler will heat water to supply either hot water (usually via a “tank” or hot water cylinder) or heating to a radiator system – or both. A diverter valve is used to direct the heated water to the required source. This valve is operated using a synchronous motor.

Our synchronous motors are designed to operate in the closed (off) position or when energised in the open position.

CODE: SVM-5-6

TYPE: GEARED SYNCHRONOUS

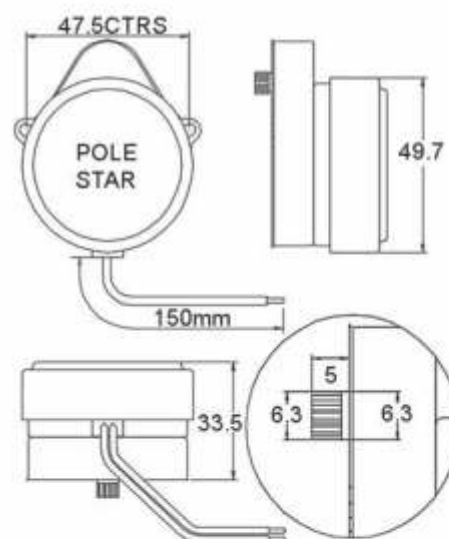
SUPPLY: SINGLE PHASE 230V, 50HZ

SPEED (RPM): 5RPM

INPUT POWER (W): 6W

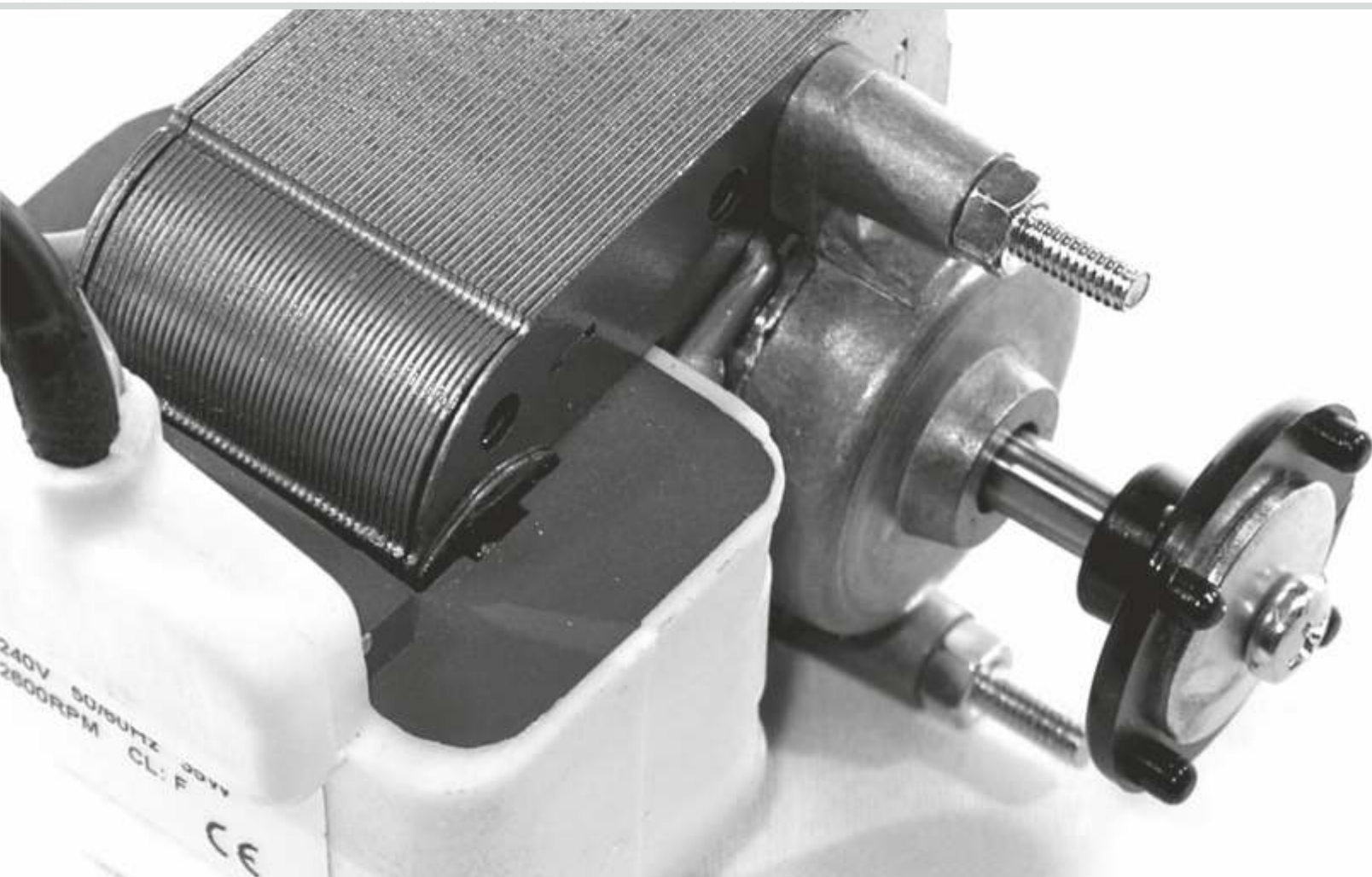
APPLICATIONS: FITS THE FOLLOWING VALVES, 631, 672, 679 & 773 EN60730-2-8, MP3, MV2, SD1701, SK2, SK3, SZ1301, V4042, V4044 & V4073.

PRICE: £ 8.89



SYNCHRONOUS VALVE MOTOR





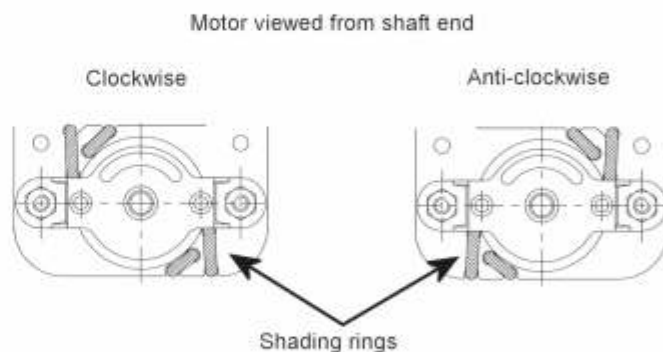
These skeleton or tangential motors are the simplest type, they are constructed from a single bobbin wound stator and a die cast rotor assembly. Whilst they are a simple motor design they do however have many different mounting arrangements. The motors starting torque is influenced by the diameter of the shading coil but to the detriment of the running performance. Due to their small size they are ideally suited for evaporating and condensing units such as display cases, freezers and agitators. There are “NO frost” versions with moisture proof stator (IP44).

In the pages that follow there are several specific pages devoted to skeleton motor applications. They are liquid stirrer motors/agitator motors, oven motors and gearbox motors.

If you are not sure of the rotation of your motor please see the diagram below:

APPLICATIONS:

- OIL, GAS AND SOLID FUEL APPLICATIONS
- COMMERCIAL FAN CONVECTORS
- DOMESTIC FAN HEATERS
- KICKSPACE HEATERS
- DRINK DISPENSERS
- BEER COOLERS
- FREEZERS



FAN MOTORS

SKELETON MOTORS - FAN HUB

TYPE: SHADED POLE MOTORS

SUPPLY: SINGLE PHASE 220/240V, 50/60HZ

POLES: 2 POLE (2500RPM)

SPEEDS: SINGLE SPEED

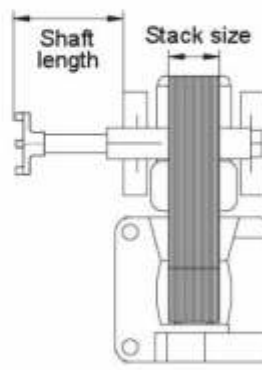
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

INSULATION: CLASS F

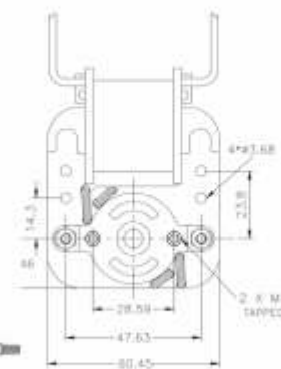
BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARINGS

TEMPERATURE RATING: -10°C TO +60°C

CONNECTIONS: TERMINAL PINS OR LEADS



MOTOR DIMENSIONS



FIXING DIMENSIONS

ENCAPSULATED



TERMINALS



FLYING LEADS



STANDARD MODELS

Part Number	Input Power	Stack Height	Rotation S.E.	Shaft Length	Mount S.E.		Mount O.S.E.		Connection Type	Price £
					28.6 CRS	47.63 CRS	28.6 CRS	47.63 CRS		
24TD25FH-1	25W	12	CW	26	2 T.H.	Mod	2 T.H.	Mod	Terminals	£ 23.52
24TS25FH-1	25W	12	ACW	26	2 T.H.	Mod	2 T.H.	Mod	Terminals	£ 23.52
24TD30FH-1	30W	16	CW	26	-	2 studs	-	2 studs	Terminals	£ 24.80
24TS30FH-1	30W	16	ACW	26	-	2 studs	-	2 studs	Terminals	£ 24.80
24TD35FH-1	35W	20	CW	26	-	2 studs	-	2 studs	300mm	£ 32.18
24TS35FH-1	35W	20	ACW	26	-	2 studs	-	2 studs	300mm	£ 26.33
24TD40FH-2	40W	30	CW	23	2 T.H.	Mod	2 T.H.	Mod	Terminals	£ 33.18
24TS40FH-2	40W	30	ACW	23	2 T.H.	Mod	2 T.H.	Mod	Terminals	£ 27.34

* see page 14 for available modifications

ENCAPSULATED BOBBIN FOR HIGH HUMIDITY APPLICATIONS

Part Number	Input Power	Stack Height	Rotation S.E.	Shaft Length	Mount S.E.		Mount O.S.E.		Connection Type	Price £
					28.6 CRS	47.63 CRS	28.6 CRS	47.63 CRS		
24TD40FH-1	40W	30	CW	18	-	2 studs	-	Mod	1700mm	£ 23.88
24TS40FH-1	40W	30	ACW	18	-	2 studs	-	Mod	1700mm	£ 23.88

* see page 14 for available modifications

FAN MOTORS

SKELETON MOTORS - PLAIN SHAFT

TYPE: SHADED POLE MOTORS

SUPPLY: SINGLE PHASE 220/240V, 50/60HZ

POLES: 2 POLE (2500RPM)

SPEEDS: SINGLE SPEED

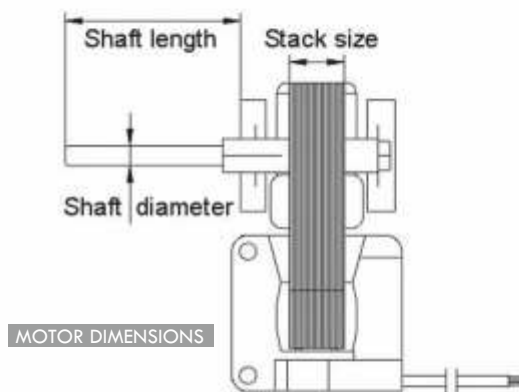
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

INSULATION: CLASS F

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARINGS

TEMPERATURE RATING: -10°C TO +60°C

CONNECTIONS: TERMINAL PINS OR LEADS

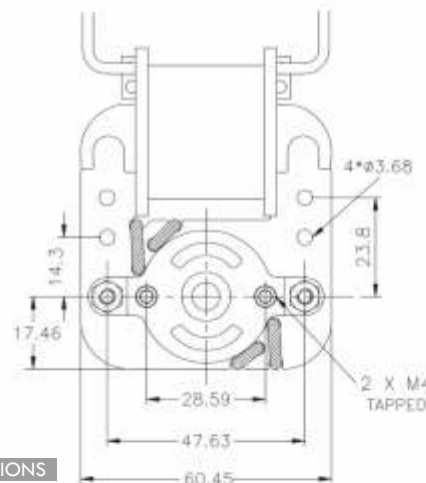


MOTOR DIMENSIONS

END SHIELD MOUNTING

Part Number	Input Power	Stack Height	Rotation S.E.	Shaft Diameter	Shaft Length	Mount S.E.		Mount O.S.E.		Connection Type	Price £
						28.6 CRS	47.63 CRS	28.6 CRS	47.63 CRS		
24TD25-1	25W	12	CW	5mm	26	2 T.H.	Mod	2 T.H.	Mod	Terminals	£ 23.52
24TS25-1	25W	12	ACW	5mm	26	2 T.H.	Mod	2 T.H.	Mod	Terminals	£ 29.37
24TM13D-1	26W	13	CW	4.7mm	25	2 T.H.	studs or casing holes	2 T.H.	Casing holes	Terminals	£ 23.35
24TD30-1	30W	16	CW	4.7mm	26	-	2 studs	-	2 studs	Terminals	£ 28.80
24TS30-1	30W	16	ACW	4.7mm	26	-	2 studs	-	2 studs	Terminals	£ 24.80
24TD35-1	35W	20	CW	4.4mm	26	-	2 studs	-	2 studs	300mm	£ 32.18
24TS35-1	35W	20	ACW	4.4mm	26	-	2 studs	-	2 studs	300mm	£ 26.34
24TD40-1	40W	30	CW	5mm	23	2 T.H.	Mod	2 T.H.	Mod	1700mm	£ 33.18
24TS40-1	40W	30	ACW	5mm	23	2 T.H.	Mod	2 T.H.	Mod	1700mm	£ 27.34

* see page 14 for available modifications



FIXING DIMENSIONS

RING CLAMP MOUNT (ENCAPSULATED)

Part Number	Input Power	Stack Height	Rotation S.E.	Shaft Diameter	Shaft Length	Mounting Arrangement	Connection Type	Price £
24TS25-2	25W	12	ACW	3.18mm	39	End ring clamp x2 & 2 Studs 47.63CRS	Terminals	£ 49.56
24TD25-2	25W	12	CW	3.18mm	39	End ring clamp x2 & 2 Studs 47.63CRS	Terminals	£ 55.38

* see page 14 for available modifications

FAN MOTORS

SKELETON MOTORS - MULTI-FIT MODELS

TYPE: SHADED POLE MOTORS

SUPPLY: SINGLE PHASE 120, 220/240V, 50/60HZ

POLES: 2 POLE (2500RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS F

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARINGS

TEMPERATURE: -10°C TO +60°C

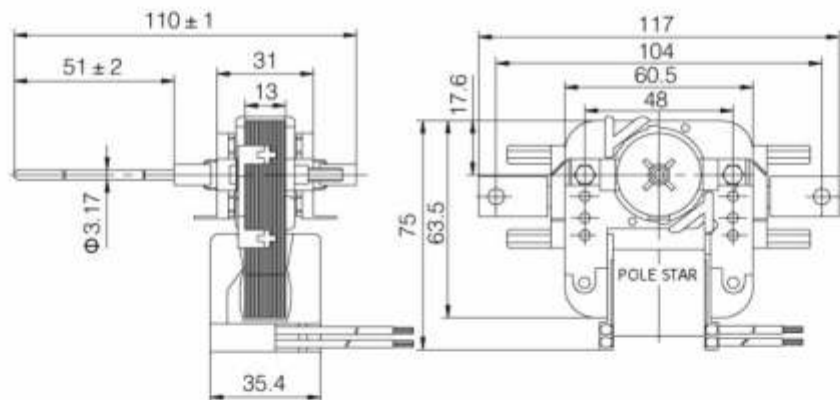
CONNECTIONS: FLYING LEADS

ADDITIONAL FEATURES:

POSSIBLE TO REVERSE ROTATION

COMPLETE WITH FIXINGS

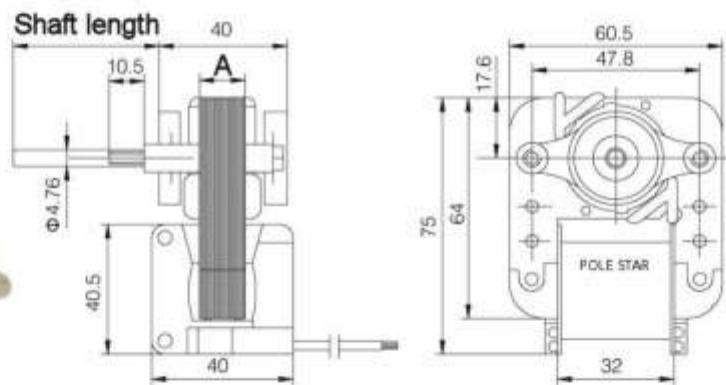
FROST FREE MOTORS



Part Number	Input Power	Rotation S.E.	Motor RPM	Voltage (V)	Frequency (Hz)	Cable Length	Price £
24TM999	16W	CW	3000	120	60	275mm	£ 16.83
24TM998	16W	CW	2400	240	50	275mm	£ 16.83

FROST FREE

*Breakaway shaft at 38mm and 25mm (1.5" & 1")



Part Number	Input Power	Rotation S.E.	Motor RPM	Voltage (V)	Frequency (Hz)	Shaft Length	Stack Depth (A)	Cable Length	Price £
24TM672	18W	CW	2400	240	50	40	16	275mm	£ 16.03
24TM675	38W	CW	2800	230	50/60	54	26	275mm	£ 16.03

Fixing kit contains:

4" CW blade, 5.5" ACW blade

FAN MOTORS

SKELETON MOTORS - OEM MOTORS

TYPE: SHADED POLE MOTORS

SUPPLY: SINGLE PHASE 220/240V, 50/60HZ

POLES: 2 POLE (2500RPM-2800RPM)

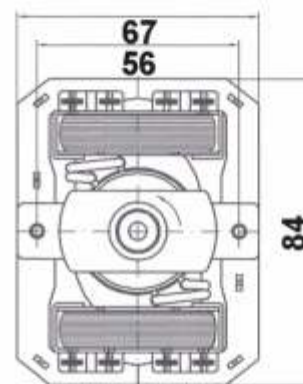
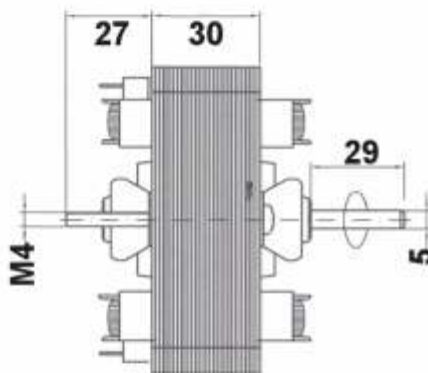
SPEEDS: SINGLE SPEED

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

INSULATION: CLASS F

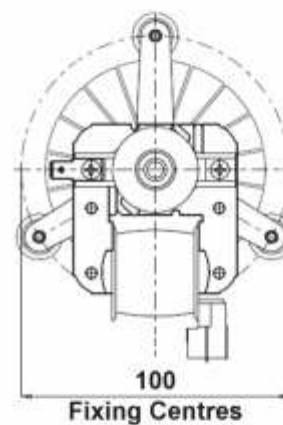
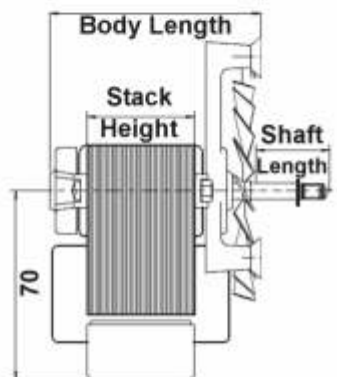
BEARINGS: BALL BEARING

CONNECTIONS: FLYING LEADS



End shield mounting

Part Number	Input Power	Stack Height	Rotation S.E.	Motor RPM	Shaft Diameter	Shaft Length	Connection Type	Price £
24TD74-1	105W	12	CW	2800	5mm	29	490mm lead	£ 20.98



Bracket mounted

Part Number	Input Power	Stack Height	Rotation S.E.	Threaded End	Shaft Length	Mounting Arrangement	Connection Type	Price £
OF20TD-2	36W	20	CW	M6 Rev	24mm	3 T.H 100mm pcd	Terminal pins	£ 34.75
OF40TD-3	56W	40	CW	M6 Rev	24mm	3 T.H 100mm pcd	Terminal pins	£ 39.69
OFM40TD-1	56W	40	CW	M6 Rev	37mm	3 T.H 100mm pcd	Terminal pins	£ 39.87

FAN MOTORS

SKELETON MOTORS - LIQUID STIRRER

TYPE: SHADED POLE MOTORS

SUPPLY: SINGLE PHASE 220/240V, 50/60HZ

POLES: 2 POLE (2500RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS F

BEARINGS: SEALED AND BALL

TEMPERATURE RATING: -10°C TO +60°C

CONNECTIONS: FLYING LEADS

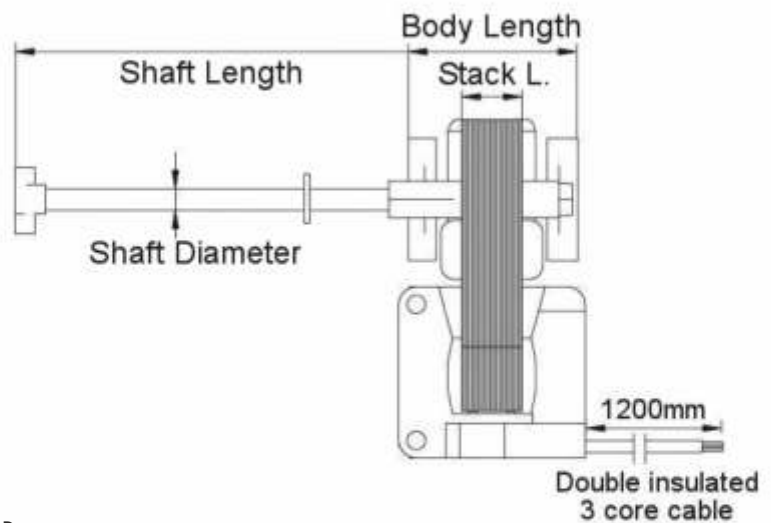
ADDITIONAL FEATURES:

NYLON PROPELLER

AISI 430 F STAINLESS STEEL SHAFT

RUSTPROOF PROTECTION ON STATOR & ROTATOR

WATERPROOF COIL MOULDED IN PLASTIC



AAA-17



AAA-55



AAA-40



AAA-20-3

Part Number	Shaft Length	Stack Length	Body Length	Shaft Rotation	Bearing Type	Shaft Diameter	Input Watts	Cooling fan	Price £
AAA-17	155	16	47	CW	Ball	6mm	17W	No	£ 40.02
AAA-17-1	100	16	47	CW	Ball	6mm	17W	No	£ 45.02 NEW
AAA-20	153	20	56	CW	Sleeve	6mm	20W	No	£ 41.07
AAA-20-1	100	20	56	CW	Sleeve	6mm	20W	No	£ 41.07
AAA-20-3	153	20	56	CW	Sleeve	6mm	20W	No	£ 53.58
AAA-40	138	40	76	CW	Ball	6mm	32W	No	£ 49.56
AAA-40-1	75	40	76	CW	Ball	6mm	32W	No	£ 49.56
AAA-55#	104	40	74	ACW	Ball	7mm	55W	Yes	£ 69.76

*Nylon propeller is removable #Propeller not supplied

FAN MOTORS

24 RANGE - MODIFICATION OPTIONS

The following modifications can be made to most of our stock models - generally on a same day basis.

SHAFTS



THREADED SHAFT END

Standard or reverse thread **£5.25**



SHAFT SLEEVES

See page 279 for full range **£2.55** each



SHAFT EXTENSION

Various extension pieces **£TBC**



SINGLE TO DOUBLE SHAFT

Fitted double shaft extensions **£TBC**

COOLING FANS & STUDS



FITTED COOLING FAN

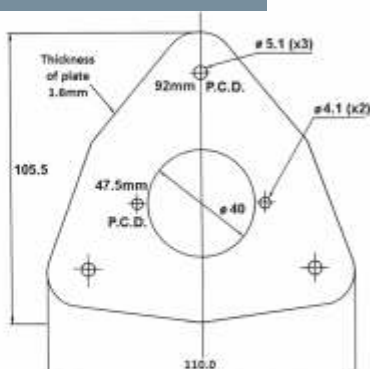
Code - **£TBC**



MOUNTING STUDS - £1.05

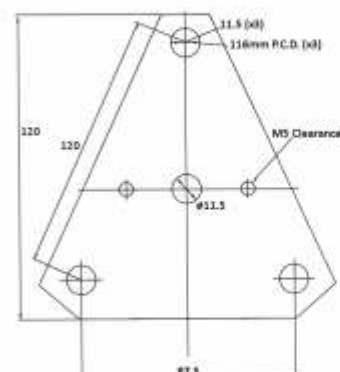
MOUNTING TAPPED HOLE - **£1.05**

MOUNTING BRACKETS



24BK1 - **£10.50**

*Other brackets can be fabricated to your design



24BK2 - **£10.50**

FAN MOTORS

SKELETON MOTORS - GEARBOX MOTORS

TYPE: SHADED POLE MOTORS

SUPPLY: SINGLE PHASE, 115V, 220/240V, 50/60HZ

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

BEARINGS: SEALED FOR LIFE BALL BEARINGS

CONNECTIONS: FLYING LEADS

APPLICATIONS: SLUSH PUPPY MACHINES

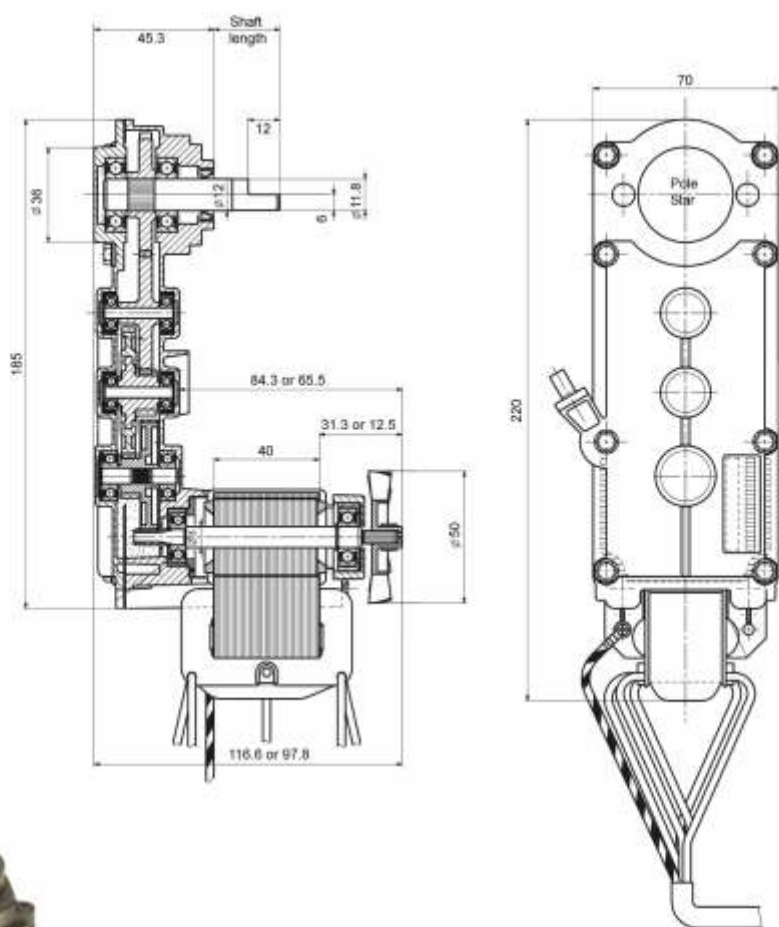
GR-44-37



GR-58-33



GR-70-38-DV



Part Number	Motor Performance			Shaft Length	Cooling Fan	Price £
	Voltage	Power	RPM			
GR-70-38-DV	115/230V	70W	38	25	Yes	£ 89.19
GR-58-33	230V	53W	33	38.5	No	£ 92.17
GR-44-37	230V	-	-	37	No	£ 189.00 NEW
GR-44-37-1	230V	-	-	66	No	£ 175.00 NEW

FAN MOTORS

SKELETON MOTORS - GEARBOX MOTORS

TYPE: SHADED POLE MOTORS

SUPPLY: SINGLE PHASE 220/240V, 50/60HZ

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

BEARINGS: SEALED FOR LIFE BALL BEARINGS

CONNECTIONS: FLYING LEADS

APPLICATIONS: ICE MACHINES/KEBAB MACHINES

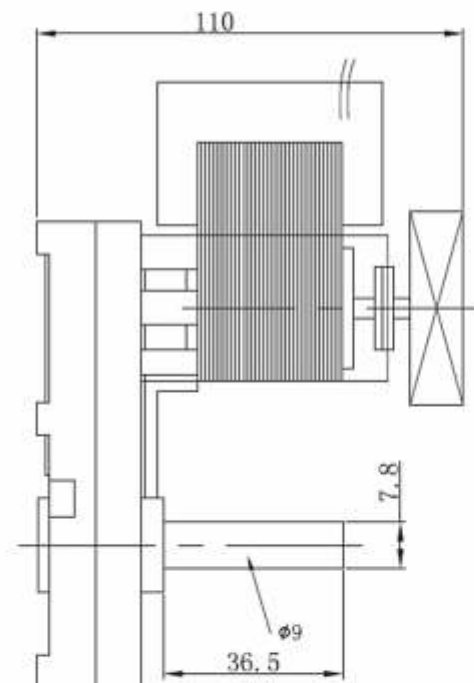
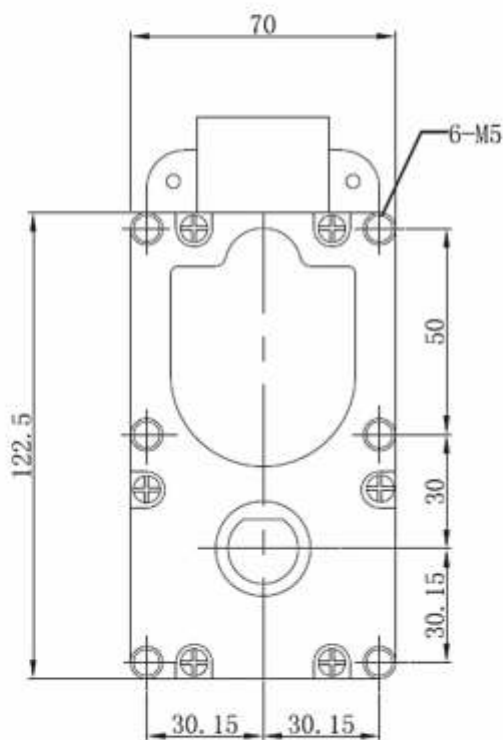


GR-26-2



GR-26-2-1

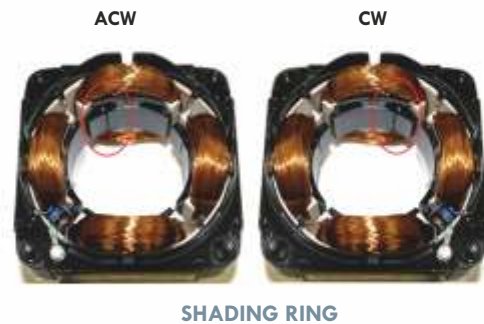
Part Number	Motor Performance			Output Torque	Cooling Fan	Price £
	Voltage	Amps	RPM			
GR-26-2	230V	0.25A	2	40NM (min)	Yes	£ 52.48
GR-26-2-1	230V	0.25A	2	40NM (min)	Yes	£ 52.48



FAN MOTORS

SHADED POLE MOTORS

Our shaded pole motors cover two of our “ranges”; our 33 range and our 84 range. Shaded pole motors are widely used in industrial and commercial refrigeration, in condensing and evaporating units and even in small ventilating units. A shaded pole by construction is quite a simple motor and relatively cheap to produce, but they are not as efficient as say a PSC (Permanent split capacitor) motor. There are however a couple of PSC motors amongst the 33 range and 84 range. Due to their construction method they offer low start up torque which limits them to light fan applications.



33 RANGE

Our 33 range of shaded pole and PSC (Permanent split capacitor) motors are manufactured in 2, 4 and 6 pole versions typically ranging from 4W up to 100W, the majority are single speed although some are multi-speed. They are visibly different from the 84 range as they have a black round body which is 3.3” in diameter (84mm).

84 RANGE

Our 84 range of shaded pole motors are four shaded poles, single phase, running at a nominal tension of 230-240V, 50-60Hz with an output power ranging from 5 to 34 Watt; insulation class B and protection IP42. Our 84 range have a square motor body with cast aluminium end shields, the body diameter like our 33 range is 84mm.

BEARING TYPES

Bearing type and quality is an important factor in determining the reliability and life expectancy of fractional horsepower electric motors and fans. The choice is generally between sleeve bearings and ball bearings. When choosing, design engineers must consider factors such as: application, fan longevity, mounting, angle of operation, noise, ambient temperature, duty, lubrication issues, etc.

LOW TEMPERATURES

When the ambient temperature is relatively low, sleeve bearing motors can last as long as ball bearing motors. However, sleeve bearing motors can have problems starting at very low temperatures due to the oil viscosity and bearing stiction - especially with low power models. Shaded pole motor designs are inherently inefficient and the surplus heat generated can help to free bearings in some cases.

HIGH TEMPERATURES

Motor reliability is crucial in achieving long life. Small motors and fans operating in the range from 25 to 60 degrees centigrade using ball bearings will outlast their sleeve bearing equivalents by an average of 50 percent. Ball bearing motors can operate beyond 70 degrees centigrade, with reduced life.

MOUNTING POSITION

Ball bearing motors can be mounted in any position without affecting life expectancy. Sleeve bearing motors are designed to operate with the shaft in a horizontal position and any variation in angle can reduce life span. Ball bearings are preloaded with a spring or wave washer during manufacturing. A ball bearing motor can be used with a heavier fan blade when the shaft angle is vertical up or down.

BEARING END FLOAT

Motors with ball bearings have no axial movement. The relative position between shaft and bearing is fixed. To allow for thermal expansion, sleeve bearing motors are manufactured with a clearance which ranges from 0.1mm to 1.0mm. This prevents the motor from seizing when it gets hot. This “end float” is not usually a problem, though exact fan positioning with ball bearings is preferable.

BEARING QUALITY

Ball bearings are manufactured using precision components. Steel balls are precision ground and super finished to provide exact tolerances. Sleeve bearings can deteriorate at high temperatures because they are made from porous powdered metals in a sintering process. Micro hardness makes secondary machining difficult. Sleeve bearing quality depends on shaft clearance and oil supply.

FAN MOTORS

33 RANGE - PLAIN SHAFT

TYPE: SHADED POLE MOTORS

SUPPLY: SINGLE PHASE 110V, 120/240V, 230V, 50/60HZ

POLES: 2 POLE (2500RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

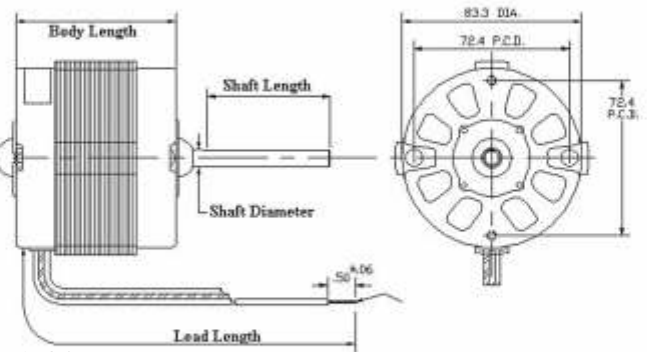
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARINGS

TEMPERATURE: -30°C TO +40°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: PLAIN SHAFT



33TD35-1



33TS7-1



33TS35-1



33TS-S058



33TS42-1



33TD25-1



33TD18-1



33TD24-1



33TS25-1

Part Number		Motor	Voltage	Body	Shaft Diameter		Body	Shaft	Mount	Mount	Available	Lead	Price
ACW Rot.	CW Rot.	Power	Supply	Type	mm	Inches	Length	Length	S.E.	O.S.E.	Modifications	Length	£
33TS7-1	33TD7-2	7W	230V	T.E.	6.35	1/4"	57	26.5	-	2 Studs	2, 3 & 4 studs	130	£ 38.26
33TS13-1	33TD13-1	13W	230V	Vent	7.93	5/16"	59.7	38.1	3 Studs	-	-	305	£ 86.27
33TS18-5	33TD18-1	18W	120/240V	Vent	7.93	5/16"	72.4	41.2	Flange	-	2 & 4 studs	457	£ 113.34
33TS24-1	33TD24-1	24W	230V	Vent	7.93	5/16"	104.9	50.8	2 Studs	-	2 & 4 studs	457	£ 98.80
33TS25-1	33TD25-1	25W	230V	Fan Vent	7.93	5/16"	120.1	177.8	2 Studs	-	-	305	£ 79.11
-	33TD35-1	35W	120/240V	Vent	7.93	5/16"	98.3	59.9	Flange	-	2 & 4 studs	635	£ 141.62
33TS35-1	-	35W	230V	T.E.	7.93	5/16"	92	38	-	3 Studs	2 & 4 studs	100	£ 89.85
33TS42-1	-	42W	110V	T.E.	7.93	5/16"	78.7	44.5	-	4 Studs	2, 3 & 4 studs	457	£ 99.73
33TS-S058	-	70W	230V	T.E.	7.93	5/16"	105	45	-	4 Studs	-	250	£ 109.75

FAN MOTORS

33 RANGE - FAN HUB

TYPE: SHADED POLE & PSC MOTOR

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 2 POLE (2500RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

ENCLOSURE: TOTALLY ENCLOSED

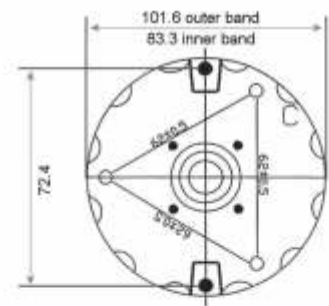
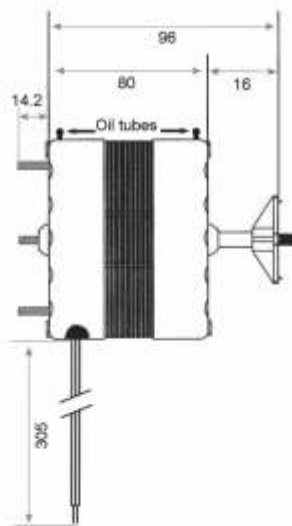
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING
SLEEVE BEARINGS

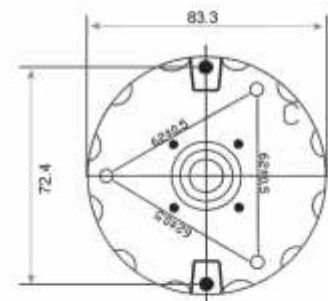
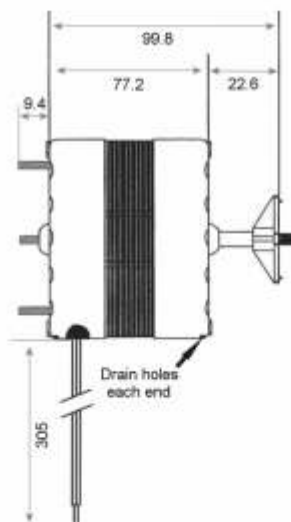
TEMPERATURE: -30°C TO +40°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: FAN HUB



Part Number	Motor Power	Motor Type	Rotation S.E.	Mount S.E.	Mount O.S.E.	Available Modifications	Price £
33TS28-1	28W	Shaded P	ACW	-	3 Studs	2 or 4 studs	£ 66.61



Part Number	Motor Power	Motor Type	Rotation S.E.	Mount S.E.	Mount O.S.E.	Available Modifications	Price £
33TR33-1	33W	P.S.C.	Rev	-	3 Studs	2 or 4 studs	£ 62.46

FAN MOTORS

33 RANGE - PLAIN SHAFT

TYPES: SHADED POLE & PSC MOTOR

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATIONS: CLASS B

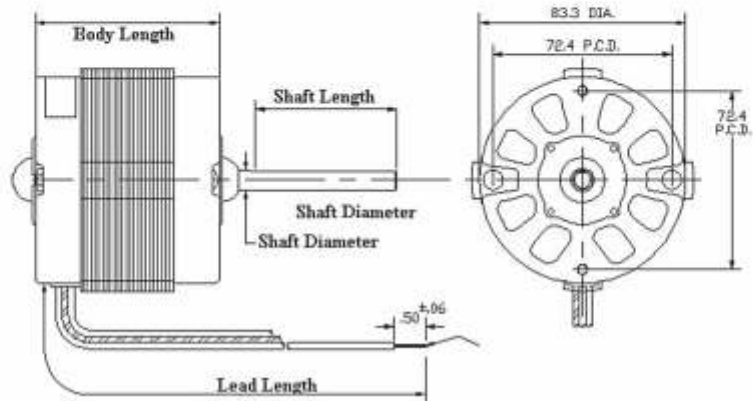
RATING: CONTINUOUSLY RATED AIR OVER MOTOR OR MECHANICAL DUTY

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARINGS

TEMPERATURE: -30°C TO +40°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: PLAIN SHAFT



33FS15-1



33FS25-3



33FS22-1



33FD10-1



33FD11-1



33FS18-1

Mechanical duty

Part Number		Motor	Body	Shaft Diameter		Body	Shaft	Mount	Mount	Available	Lead	Price
ACW Rot.	CW Rot.	Power	Type	mm	Inches	Length	Length	S.E.	O.S.E.	Modifications	Length	£
33FS10-2	33FD10-1	10W	Fan Vent	7.93	5/16"	99.3	177.8	2 Studs	-	-	305	£ 72.20

Air stream rated

Part Number		Motor	Body	Shaft Diameter		Body	Shaft	Mount	Mount	Available	Lead	Price
ACW Rot.	CW Rot.	Power	Type	mm	Inches	Length	Length	S.E.	O.S.E.	Modifications	Length	£
33FS11-1	33FD11-1	11W	Vent	7.93	5/16"	74.2	69.9	Flange	-	2 or 4 studs	305	£ 55.56
33FS12-2	33FD12-2	12W	T.E.	7.93	5/16"	72	37	2 Studs	-	3 or 4 studs	410	£ 40.60
33FS15-1	33FD15-5	15W	T.E.	7.93	5/16"	72	37	-	2 Studs	3 or 4 studs	410	£ 24.90
33FS17-1	33FD17-1	17W	T.E.	7.93	5/16"	74.2	57.9	3 T.H.	-	3 or 4 studs	406	£ 59.08
33FS18-1	33FD18-1	18W	T.E.	7.93	5/16"	68	46	3 Studs	3 T.H.	4 studs	600	£ 24.90
33FS22-1	33FD22-2	22W	Vent	7.93	5/16"	74.2	45.7	3 Studs	-	4 studs	203	£ 53.40
33FS25-3	33FD25-7	25W	Vent	7.93	5/16"	80	51	3 T.H.	4 Studs & 3 T.H.	4 studs	650	£ 58.19
33FS40-1	33FD40-1	40W	Vent	7.93	5/16"	86	60	-	4 Studs	4 studs	600	£ 42.77
33FS40-2	33FD40-2	40W	Vent	7.93	5/16"	86	60	4 Studs	-	4 studs	600	£ 46.62
33FS-S059	-	50W	T.E.	7.93	5/16"	105	75	-	4 Studs	4 studs	400	£ 108.49

* Note 33FS-S059 is a PSC motor

* Note 33FS22-1 has 1/4 threaded shaft end.

FAN MOTORS

33 RANGE - FAN HUB

TYPE: SHADED POLE & PSC MOTOR

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARINGS

TEMPERATURE: -30°C TO +40°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: FAN HUB



33FS7-1



33FS25-1



33FD-F372



33FS15-2



33FD7-2



33FD15-1



33FD18-2



33FD23-1



33FS4-3



33FS5-1



33FS9-3



33FS12-1

Part Number		Motor Power	Body Type	Body Length	Shaft Length	Mount S.E.	Mount O.S.E.	Side Stud	Available Modifications	Lead Length	Price £
ACW Rot.	CW Rot.										
33FS4-1	-	4W	T.E.	54	12	-	2 Studs	No	2, 3 or 4 studs	1200	£ 34.79
33FS4-3	-	4W	Vent.	43	25	-	2 Studs	No	2, 3 or 4 studs	1200	£ 34.79
33FS5-1	33FD5-2	5W	T.E.	50	16	-	3 T.H.	No	2, 3 or 4 studs	880	£ 45.21
-	33FD5-1 #	5W	T.E.	57	10	-	3 Studs	No	2, 3 or 4 studs	1000	£ 22.83
33FS7-1	33FD7-1	7W	T.E.	50	17	-	3 Studs	Yes	2, 3 or 4 studs	480	£ 16.34
33FS7-9	33FD7-2	7W	T.E.	67	17	-	3 T.H.	No	2, 3 or 4 studs	500	£ 43.22
-	33FD7-3 #	7W	T.E.	54	18	-	3 Studs	No	2, 3 or 4 studs	500	£ 23.76
-	33FD-F372	7W	T.E.	50	32	-	3 T.H.	No	2, 3 or 4 studs	4300	£ 28.95
-	33FD-S101	7W	T.E.	50	20	-	3 T.H.	No	2, 3 or 4 studs	4000	£ 28.95
-	33FD7-844 #	7W	T.E.	80	18	-	3 T.H.	No	2, 3 or 4 studs	4250	£ 27.99
33FS7-902 #	-	7W	T.E.	65	18	-	3 Studs	Yes	2, 3 or 4 studs	475	£ 35.99
33FS9-3	33FD9-4	9W	T.E.	55.1	16.8	-	3 Studs	No	2, 3 or 4 studs	457	£ 48.29
33FS9-4#	-	9W	T.E.	67	16	-	3 T.H.	No	2, 3 or 4 studs	475	£ 49.99
33FS12-1	33FD12-1	12W	T.E.	67	13	-	3 Studs	No	2, 3 or 4 studs	475	£ 35.56
33FS15-2	33FD15-1	15W	T.E.	67	13	-	3 Studs	No	2, 3 or 4 studs	475	£ 35.56
33FS18-3	33FD18-2	18W	T.E.	68	15	-	3 Studs	No	2, 3 or 4 studs	457	£ 45.03
33FS23-1	33FD23-1	23W	T.E.	74	42	-	3 Studs	No	2, 3 or 4 studs	150	£ 48.05
33FS25-1	-	25W	T.E.	97	15	-	3 Studs	No	2, 3 or 4 studs	350	£ 84.24

* 33FS25-7 is a two speed PSC motor

whilst stocks last

FAN MOTORS

UNIT BEARING MOTORS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 115V OR 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

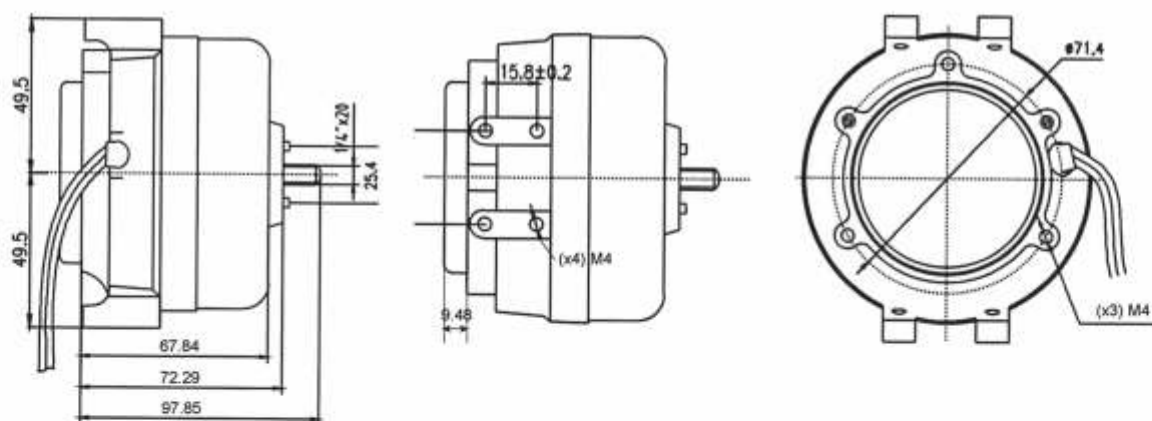
BEARINGS: UNIT BEARING

TEMPERATURE: -40°C TO +55°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: FAN HUB

ENCLOSURE: PAINTED ALUMINIUM



Part Number	Motor Performance			Body Type	Shaft Rotation	Body Length	Shaft Length	Mount O.S.E.	Mount Side	Lead Length	Price £
	Voltage	Power	Amps								
UBFM9S-115V	115V	9W	0.5A	T.E.	ACW	72	15	3 T.H.	4 T.H.	500mm	£ 31.35
UBFM9S-230V	230V	9W	0.27A	T.E.	ACW	72	15	3 T.H.	4 T.H.	500mm	£ 31.35

FAN MOTORS

84 RANGE - CAPACITOR MOTORS

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 2 POLE (2600RPM) & 4 POLE (1300RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

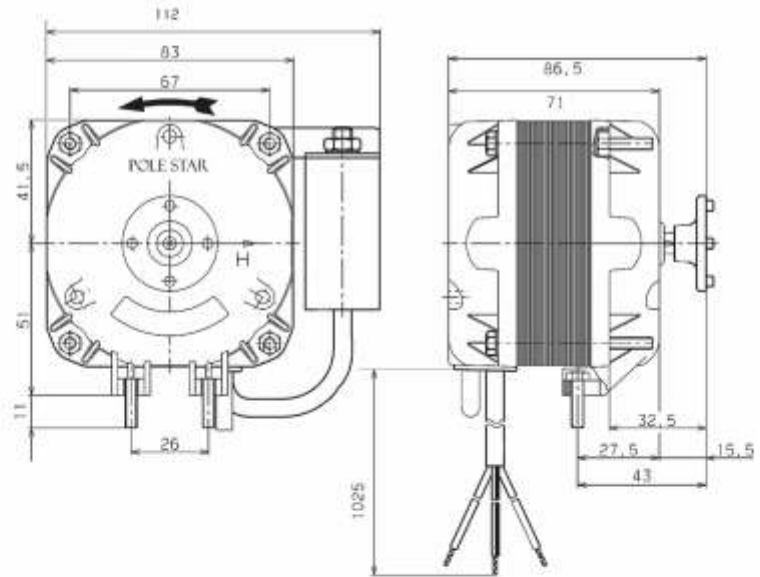
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARINGS

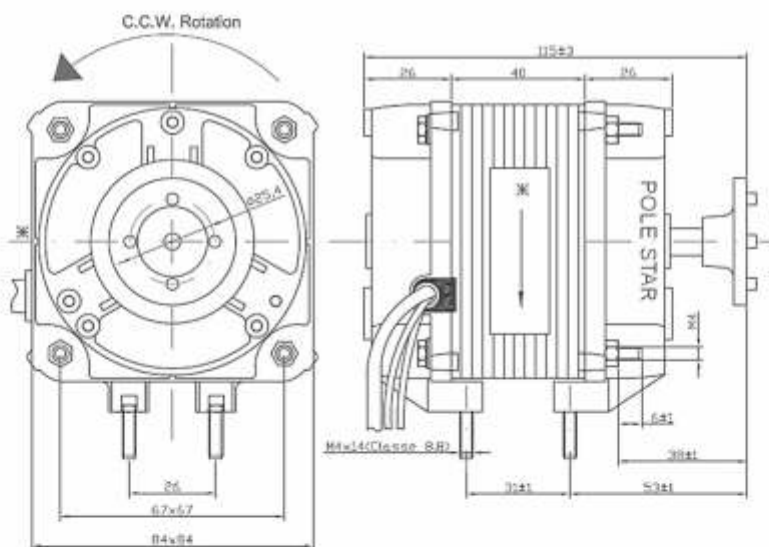
TEMPERATURE: -30°C TO +40°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: FAN HUB



Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Cable Length	Price £
84TM18S-1	18W	2600	ACW	T.E.	4 Studs	3 T.H.	2 Studs	1000mm	£ 33.86



Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Cable Length	Price £
84FM45S-1	45W	1300	ACW	T.E.	4 Studs	-	4 Studs	1000mm	£ 48.01

FAN MOTORS

84 RANGE - MULTI-FITS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

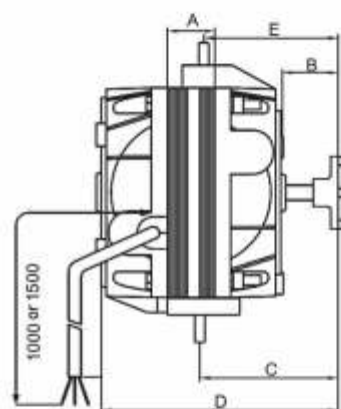
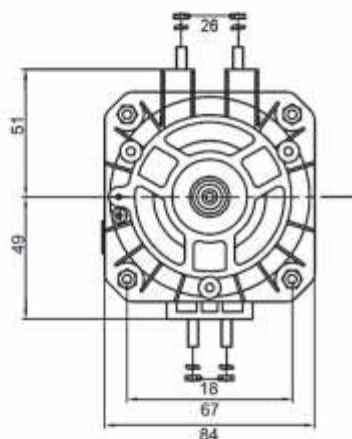
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SLEEVE BEARING

TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: FAN HUB



SLEEVE BEARING

Part Number	Output Power	Current Amp	Rotation S.E.	Dimension					Cable Length	Price £
				A	B	C	D	E		
PSM5W	5W	0.19	ACW	13	13	42	79	42	1000mm	£ 8.40
PSM5W-1	5W	0.19	ACW	13	13	42	79	42	1500mm	£ 8.62
PSM7W	7W	0.24	ACW	19	13	48	84	42	1000mm	£ 8.66
PSM10W	10W	0.24	ACW	19	13	49	84	44	1000mm	£ 8.83
PSM10W-1	10W	0.24	ACW	19	13	49	84	44	1500mm	£ 9.05
PSM16W	16W	0.4	ACW	25	19	60	96	48	1000mm	£ 9.67
PSM16W-1	16W	0.4	ACW	25	19	60	96	48	1500mm	£ 9.89
PSM18W	18W	0.5	ACW	30	19	66	103	51	1000mm	£ 10.22
PSM25W	25W	0.55	ACW	40	20	77	112	53	1000mm	£ 12.04
PSM25W-1	25W	0.55	ACW	40	20	77	112	53	1500mm	£ 12.26
PSM34W	34W	0.66	ACW	45	25	86	122	56	1000mm	£ 12.92
PSM34W-1	34W	0.66	ACW	45	25	86	122	56	1500mm	£ 13.14

NOTES:

Sleeve bearing motors not to be mounted beyond 45 degrees off horizontal. Please check page 116 to ensure blade/motor size matching is correct

FAN MOTORS

84 RANGE - MULTI-FITS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

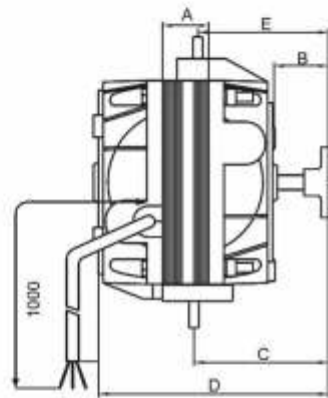
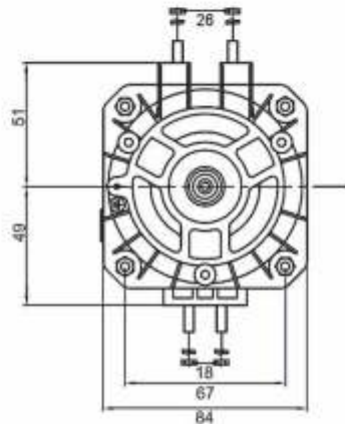
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: FAN HUB



NOW WITH NMB BEARINGS

Ball Bearing - Standard model

Part Number	Output Power	Current Amp	Rotation S.E.	Dimension					Price £
				A	B	C	D	E	
PS05BM-1	5W	0.19	ACW	13	19	48.8	87.8	48.8	£ 9.08
PS07BM-1	7W	0.24	ACW	19	18	53.4	92.8	50	£ 9.33
PS10BM-1	10W	0.24	ACW	19	19	52.4	86.8	47.8	£ 9.49
PS16BM-1	16W	0.4	ACW	25	18	59	99.8	47.8	£ 10.29
PS18BM-1	18W	0.5	ACW	30	21	67.4	99.8	50.8	£ 10.81
PS25BM-1	25W	0.55	ACW	40	20	75.4	108.8	48.8	£ 12.55
PS34BM-1	34W	0.66	ACW	45	25	85.4	119.8	54.8	£ 13.38

European Ball Bearing - Premium

Part Number	Output Power	Current Amp	Rotation S.E.	Dimension					Price £	
				A	B	C	D	E		
BB10W	10W	0.25	ACW	19	14	50	85	40	£ 14.91	NEW
BB20W	20W	0.46	ACW	31	19	55	103	45	£ 17.79	NEW
BB25W	25W	0.56	ACW	31	19	55	103	45	£ 19.67	NEW

BALL BEARING VS SLEEVE BEARING

PRO'S

10'000 hour longer life
Can be mounted any orientation
Little dust ingress
Better start-up at lower temperature

CON'S

Can be noisier

FAN MOTORS

84 RANGE RING/GRID MODELS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1300RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B/F

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SLEEVE AND BALL BEARING

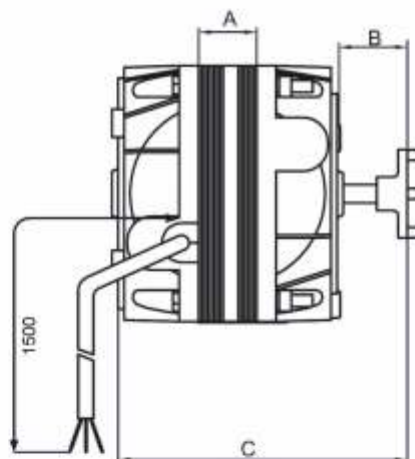
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: FAN HUB

NOTE:

FRONT CORNER BOLT FIXING ONLY SUITABLE FOR RING AND GRID MOUNT ASSEMBLIES



Ball bearing



Sleeve bearing

Part Number	Output Power	Bearing Type	Motor RPM	Rotation S.E.	Dimension			Insulation Class	Lead Length (mm)	Price £
					A	B	C			
PS05BM-2	5W	Ball	1300	ACW	13	12	78	B	1500	£ 10.32
PS05SM-1	5W	Sleeve	1300	ACW	13	12	78	B	1500	£ 10.07
PS05SM-2#	5W	Sleeve	1300	ACW	13	12	78	B	1500	£ 10.07
PS05SM-3	5W	Sleeve	1300	ACW	13	19	84.5	B	1550	£ 10.07
84FM05S-1	5W	Sleeve	1300	ACW	13	13	78	F	3140	£ 12.25
PS07BM-2	7W	Ball	1300	ACW	19	12.5	84.5	B	1500	£ 10.59
PS10BM-2	10W	Ball	1300	ACW	19	12.5	84.5	B	1500	£ 10.78
PS10SM-1	10W	Sleeve	1300	ACW	19	12.5	84.5	B	1500	£ 10.54
PS18BM-2	18W	Ball	1300	ACW	30	17.5	101	B	1500	£ 12.29
PS25BM-2	25W	Ball	1300	ACW	40	18.5	112	B	1500	£ 14.29

*Whilst stocks last

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

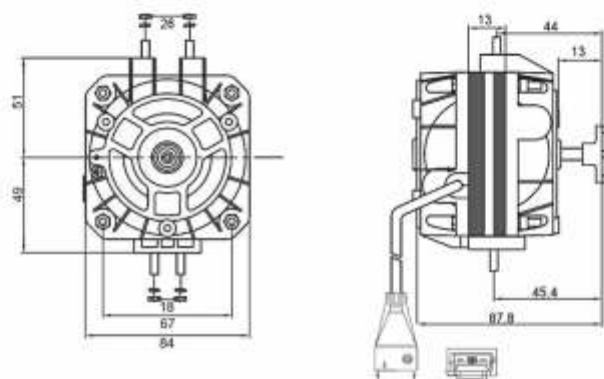
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

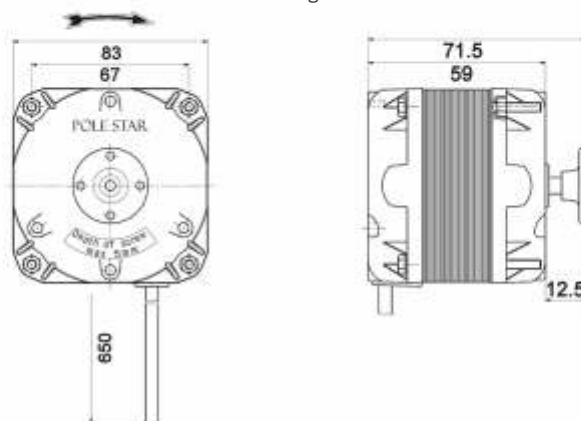
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS/PLUG IN CONNECTOR

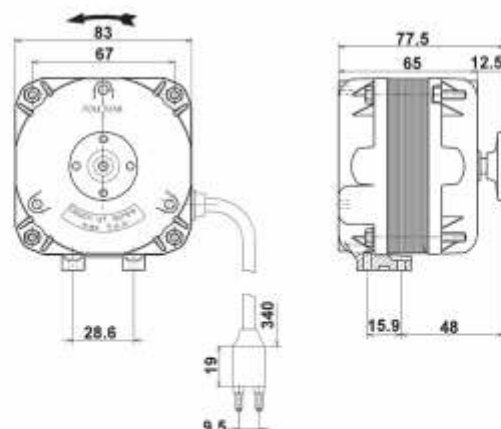
SHAFT DETAILS: FAN HUB



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
PSM5W-PL6	5W	ACW	T.E.	4 Studs	3 T.H.	2	13	Plug	£ 14.43



Part Number	Motor Power	Voltage Supply	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM05D-1	5W	230V	CW	T.E.	-	3 T.H.	-	12.5	630	£ 14.43



Part Number	Motor Power	Voltage Supply	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM9S-1	9W	230V	ACW	T.E.	4 Studs	3 T.H.	4 T.H.	12.5	340 & plug	£ 37.29

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 24V, 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

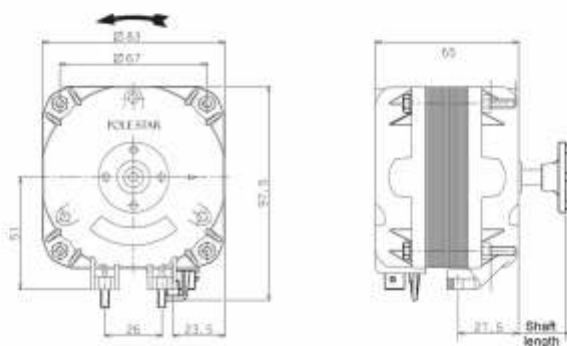
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARING: UBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

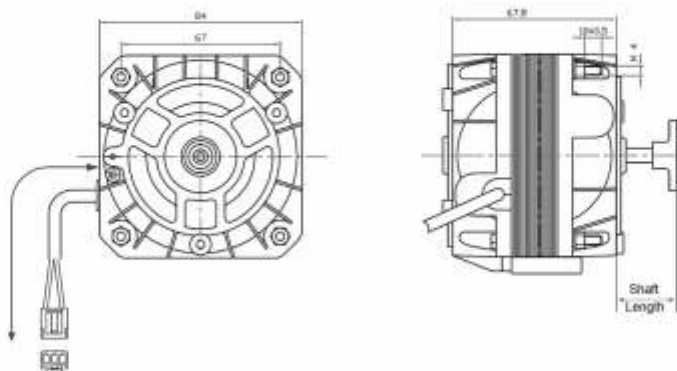
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: PLUG IN CONNECTOR

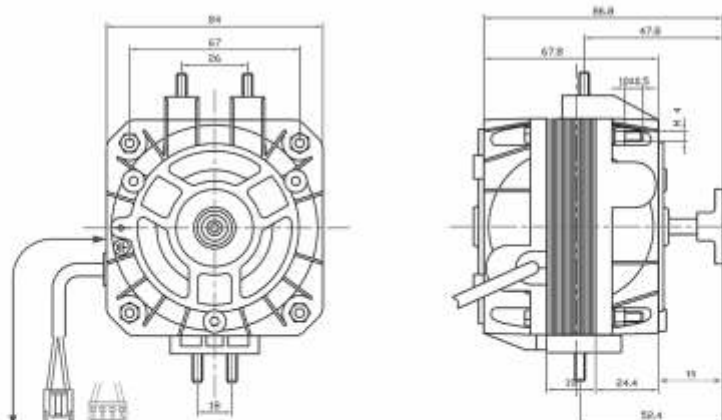
SHAFT DETAIL: FAN HUB



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM10S-2	10W	ACW	T.E.	4 Studs	-	2 T.H.	21.5	Plug	£ 32.09



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
PS10SM-PL8	10W	ACW	T.E.	4 Studs	-	-	12.5	1000 & plug	£ 36.40
PS10BM-PL8	10W	ACW	T.E.	4 Studs	3 T.H.	2 studs	19	1000 & plug	£ 37.75



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
PS10BM-PL9	10W	ACW	T.E.	4 Studs	3 T.H.	2 studs	19	1000 & plug	£ 36.40

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 24V, 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

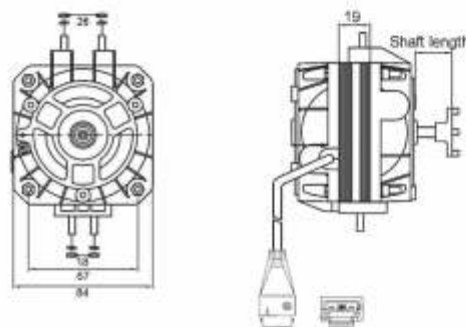
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARING: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

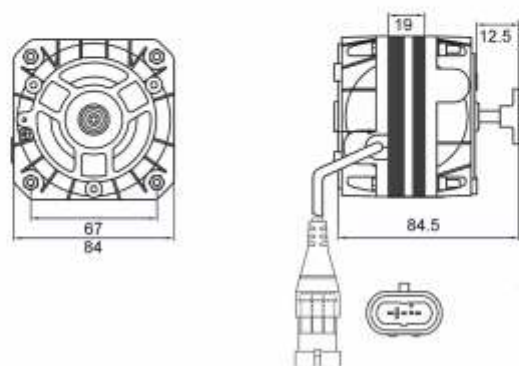
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS / PLUG IN CONNECTOR

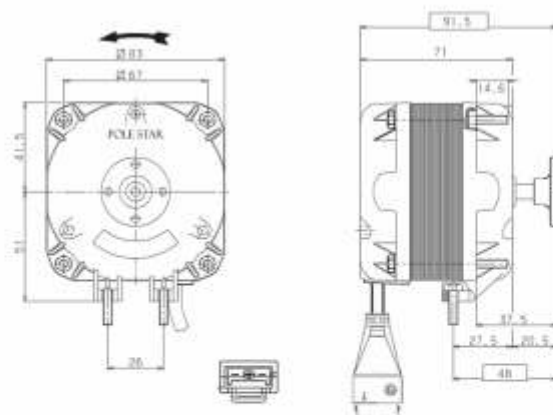
SHAFT DETAIL: FAN HUB



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
PS10BM-1-PL6	10W	ACW	T.E.	4 studs	3 T.H.	2 studs	19	300 & plug	£ 35.91
PS10SM-PL6	10W	ACW	T.E.	4 studs	-	-	12.5	300 & plug	£ 35.91



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
PS10SM-PL2	10W	ACW	T.E.	4 studs	-	-	12.5	500 & plug	£ 36.40



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM16S-1-PL6	16W	ACW	T.E.	4 studs	3 T.H.	2 studs	20.5	200 & plug	£ 39.57

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

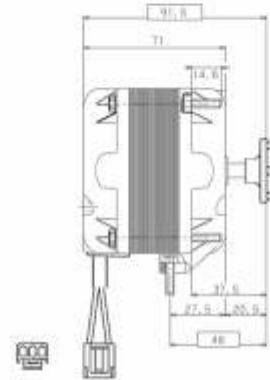
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

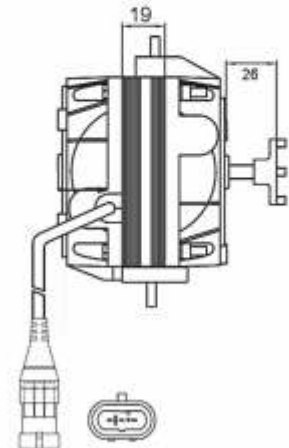
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS / PLUG IN CONNECTOR

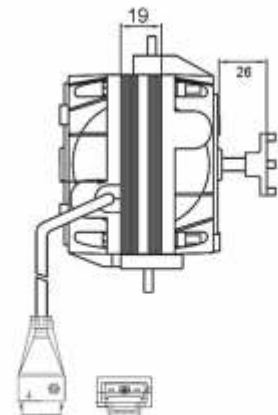
SHAFT DETAIL: FAN HUB



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM16S-1-PL8	16W	ACW	T.E.	4 studs	3 T.H.	2 studs	20.5	1500 & plug	£ 39.57



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
PS16BM-PL2	16W	ACW	T.E.	4 studs	3 T.H.	2 studs	26	500 & plug	£ 39.57



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
PS16BM-PL6	16W	ACW	T.E.	4 studs	3 T.H.	2 studs	26	300 & plug	£ 39.57

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 24V, 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

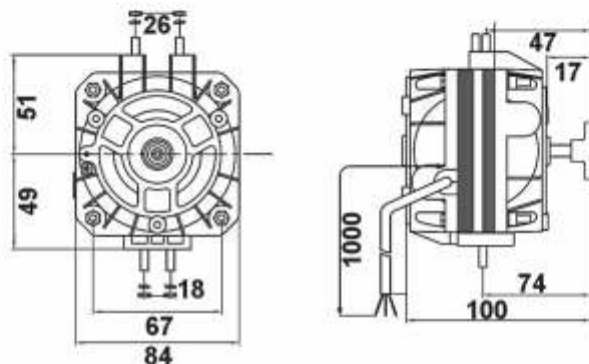
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

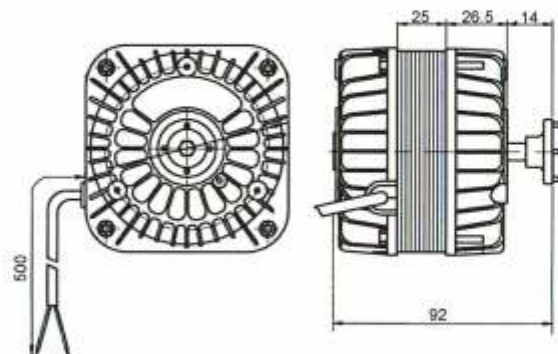
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS

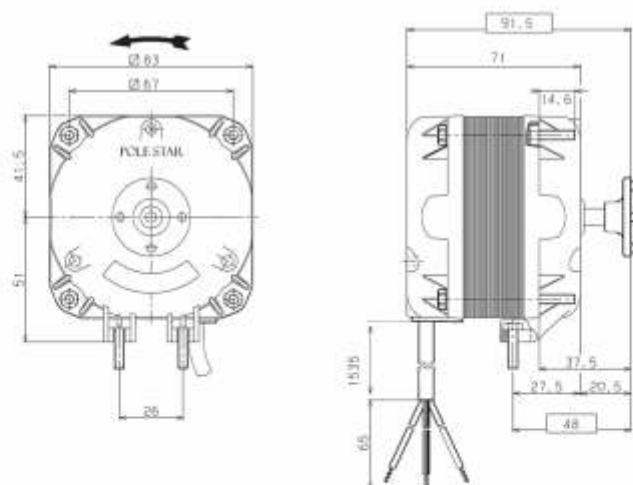
SHAFT DETAIL: FAN HUB



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
PS16BM-2	16W	ACW	T.E.	4 studs	3 T.H.	4 studs	17	1000	£ 19.57



Part Number	Motor Power	Voltage Supply	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM16-24V	16W	24V	ACW	T.E.	4 studs	3 T.H.	-	16	500	£ 32.09



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM16S-1	16W	ACW	T.E.	4 studs	3 T.H.	2 studs	20.5	1500	£ 19.57

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

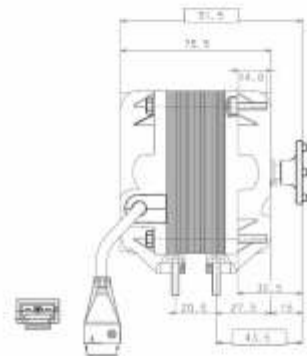
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

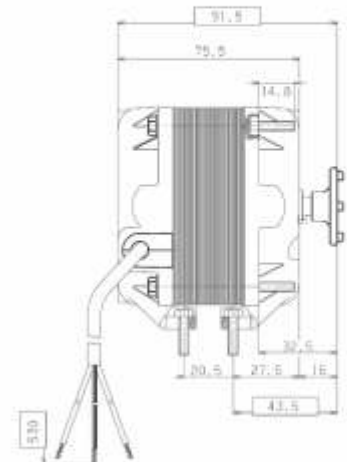
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS / PLUG IN CONNECTOR

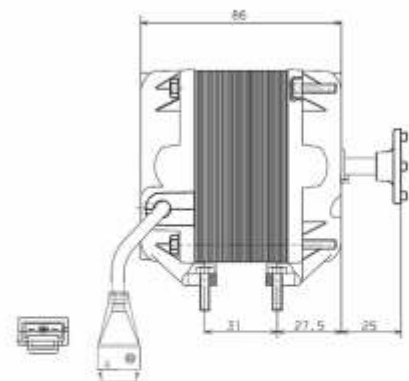
SHAFT DETAIL: FAN HUB



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM18S-1-PL6	18W	ACW	T.E.	4 studs	-	4 studs	16	500 & plug	£ 40.00



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Price £
84FM18S-1	18W	ACW	T.E.	4 Studs	-	4 Studs	16	£ 32.09



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Price £
84FM25S-7-PL6	25W	ACW	T.E.	4 Studs	3 T.H.	4 Studs	25	£ 35.49

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

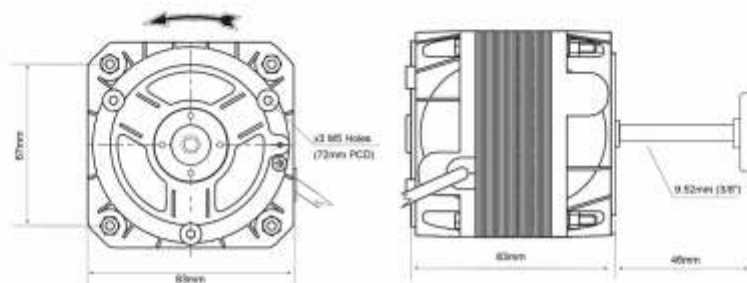
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

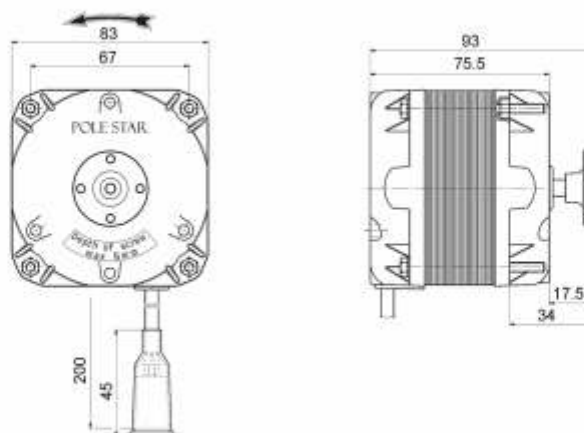
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS/PLUG IN CONNECTOR

SHAFT DETAIL: FAN HUB



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FS20-1	20W	ACW	T.E.	3 T.H.	-	-	46	500mm	£ 41.34

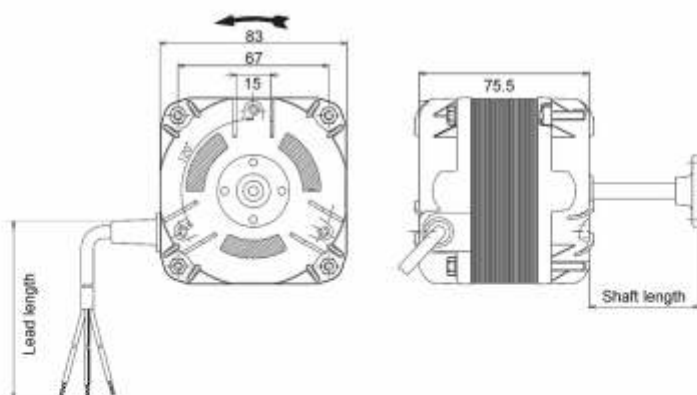


Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM25S-2	25W	ACW	T.E.	4 Studs	3 T.H.	-	17.5	200 & plug	£ 32.09



84FM25S-5

84FM25S-6



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM25S-6	25W	ACW	Vent	4 Studs	3 T.H.	-	32	190	£ 40.03
84FM25S-5	25W	ACW	Vent	4 Studs & 3 T.H.	3 T.H.	-	45	3030	£ 32.09

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS

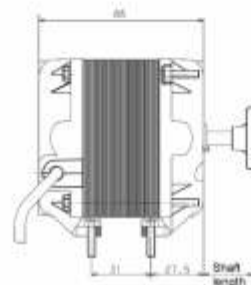
SHAFT DETAILS: FAN HUB/PLAIN SHAFT



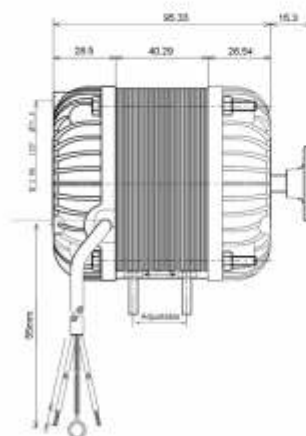
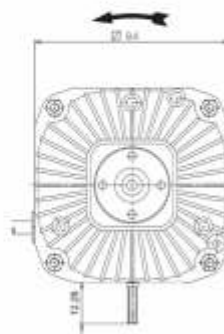
84FM25S-3



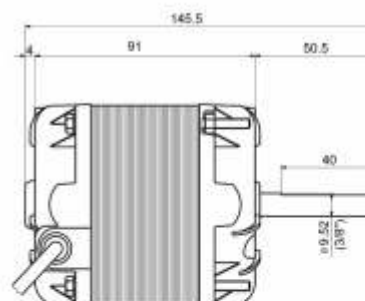
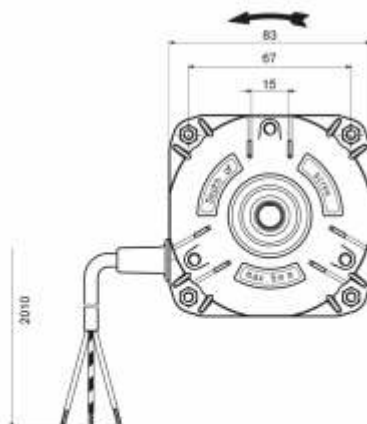
84FM25S-7



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FM25S-7	25W	ACW	T.E.	4 Studs	3 T.H.	4 Studs	25	1520	£ 32.09
84FM25S-3	25W	ACW	T.E.	4 Studs	-	4 Studs	15.5	1200	£ 32.09



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Side Stud	Shaft Length	Lead Length (mm)	Price £
84FS25-3	25W	ACW	T.E.	4 Studs	3 T.H.	2 in-line	17	500	£ 40.87



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Shaft Diameter	Shaft Length	Lead Length (mm)	Price £
84FM25S-8	25W	ACW	Vent.	4 Studs & 3 T.H.	3 T.H.	3/8"	51	2010	£ 32.09

FAN MOTORS

84 RANGE OEM REPLACEMENTS

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

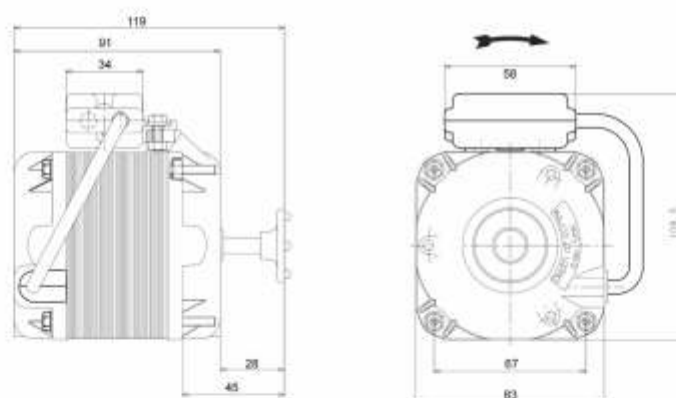
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

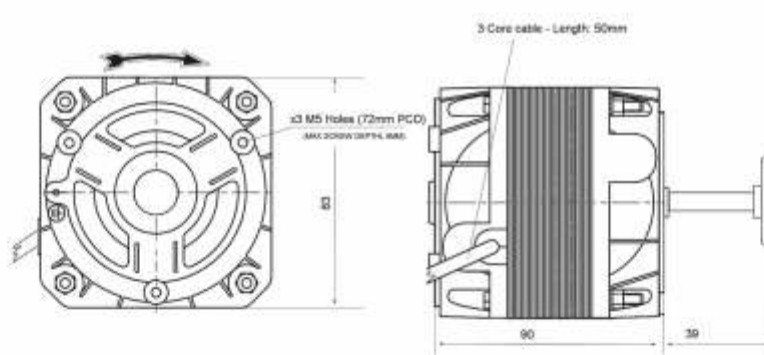
TEMPERATURE: -30°C TO +60°C

CONNECTIONS: FLYING LEADS/TERMINAL BOX

SHAFT DETAILS: FAN HUB/PLAIN SHAFT



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Shaft Length	Lead Length (mm)	Price £
84FM34-1	34W	ACW	T.E.	4 Studs	-	28	Terminal Box	£ 32.09



Part Number	Motor Power	Rotation S.E.	Body Type	Mount S.E.	Mount O.S.E.	Shaft Length	Lead Length (mm)	Price £
84FS34-1	34W	ACW	T.E.	4 Studs	3 T.H.	39	500	£ 45.94

FAN MOTORS

REFRIGERATION SPECIAL

TYPE: SHADED POLE

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

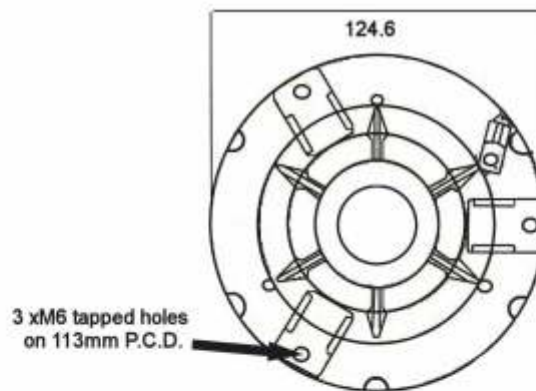
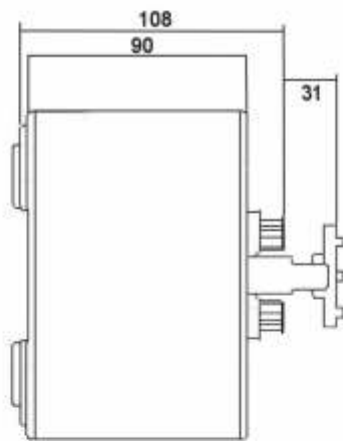
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: LUBRICATED FOR LIFE SELF ALIGNING SLEEVE BEARING

TEMPERATURE: -40°C TO +60°C

CONNECTIONS: FLYING LEADS

SHAFT DETAILS: FAN HUB



Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Body Length	Shaft Details	Shaft Length	Mounting Method	Lead Length	Price £
120FM34S-1	34W	1350	ACW	Vent	90	4 Pin Fan Hub	31	3 T.H. OSE	2800	£ 83.05





Our Electronically Commutated Fan Motors (ECM) are up to 68% efficient compared to only 18% efficiency from a standard shaded pole fan motor.

ECM motors are used in a large number of applications and are being used more and more in large supermarket re-fits and new installations. An average sized supermarket (300-400 fan motors) can see a payback period of just over 1 year. CO2 emissions are also massively reduced.

An average store with 400 shaded pole fan motors would use around 13,200 Watts/hour; with our energy efficient motors that is reduced to **3,600 Watts/hour** – That is a saving of **9,600 Watts** every hour! CO2 emissions also drop from just under 8,000gr to just over 2,000gr – over 70% less!

With the cost of energy ever rising and the need for all of us to help reduce CO2 emissions, Pole Star Products energy efficient fan motors are a must for any forward thinking business.

Our ECM motors have many other benefits over standard shaded pole motors - call us for further information on how our motors can help your business.

FAN MOTORS

ECM REFRIGERATION MOTORS

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B & H

PROTECTION: EX. PROOF OPTIONAL

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS/PLUG

SHAFT DETAIL: FAN HUB

MOUNTING: 4 CORNER BOLT FIXING, RING/GRID UNITS

EFFICIENCY: 65% ELECTRICAL EFFICIENCY

NOTES: RETROFITTABLE WITH SHADED POLE UNITS



ECMF7-1

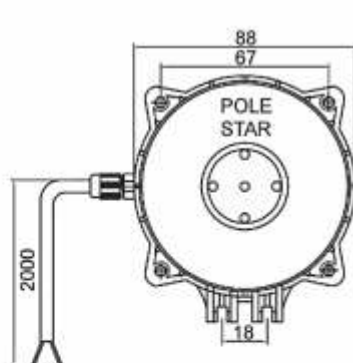


ECMF7-2

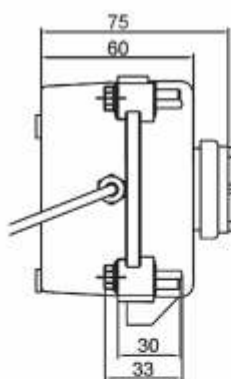
Part Number	Voltage Supply	Motor Power	Rotation S.E.	Body Length	Shaft Length	Hub Type	Side Studs	Mount OSE	Lead Length (mm)	Used on Blades	IP Rating	Ex. Rated?	Price £
ECFM7-1	220/230V	7W	ACW	60	15	4 pin	2 Possible	7 T.H.	2000	154-200	54	Yes	£ 31.42
ECFM7-2	220/230V	7W	ACW	70	9	4 pin	2	-	2000	154-200	65	No	£ 31.42

Reversible rotation

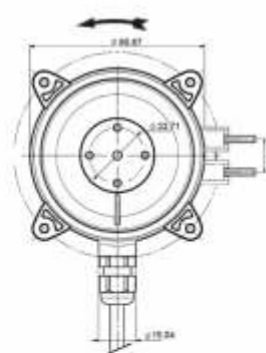
Part Number	Voltage Supply	Motor Power	Rotation S.E.	Body Length	Shaft Length	Hub Type	Side Studs	Mount OSE	Lead Length (mm)	IP Rating	Used on Blades	Ex. Rated?	Price £
ECFR-7	220/230V	7W	Rev	70	9	4 pin	2	-	500mm	65	154 - 200	No	£ 33.90



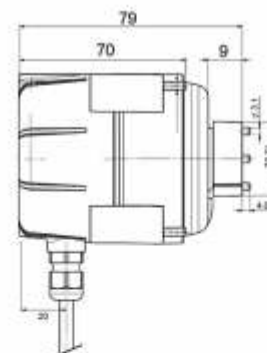
ECMF7-1



ECMF7-2



ECFR-7



FAN MOTORS

ECM REFRIGERATION MOTORS

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

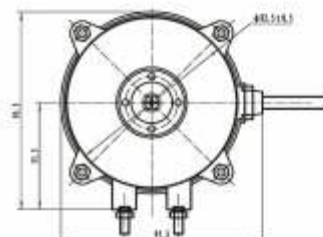
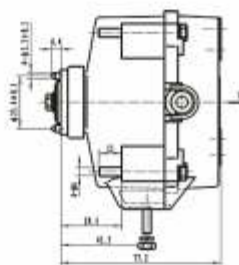
TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS

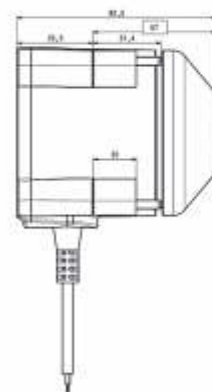
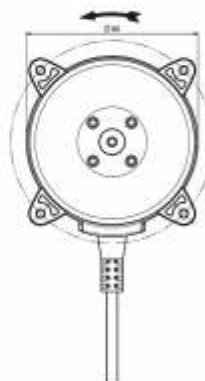
SHAFT DETAIL: FAN HUB

EFFICIENCY: 65% ELECTRICAL EFFICIENCY

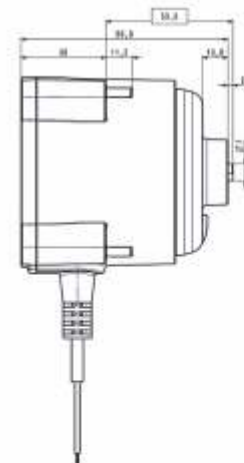
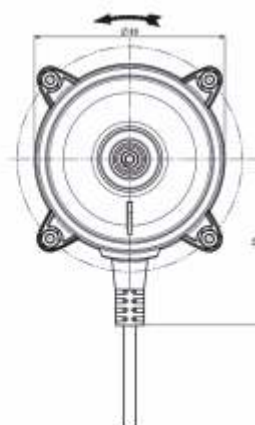
NOTES: *RETROFITTABLE WITH SHADED POLE UNITS



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Hub Type	Mount OSE	IP Rating	Lead Length (mm)	Replacement for	Price £
ECFM10-REVERSE	220/230V	10W	Timed Rev	14	4 pin	7 T.H.	54	2500	Wellington fan	£ 43.99



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Hub Type	Mount OSE	IP Rating	Lead Length (mm)	Used on Blades	Price £
ECFM12-1	220/230V	12-15W	ACW	25	4 pin	-	65	1000	154 - 230	£ 50.47



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Hub Type	Mount OSE	IP Rating	Lead Length (mm)	Used on Blades	Price £
ECFM12-2	220/230V	12-15W	ACW	13	Pentagon	-	65	1000	154 - 230	£ 50.47

FAN MOTORS

ECM REFRIGERATION MOTORS

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B & H

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

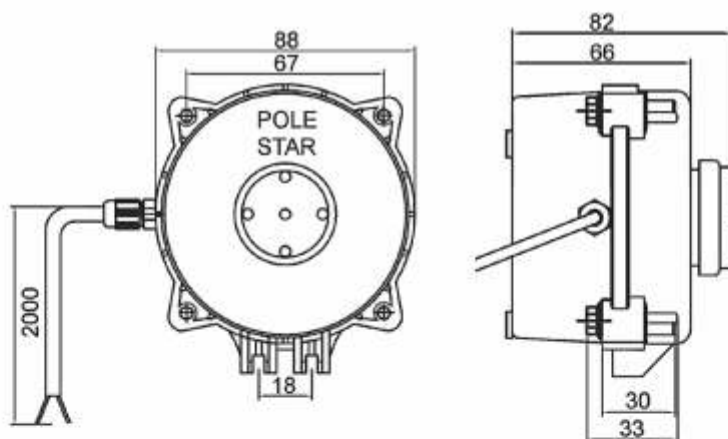
TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS

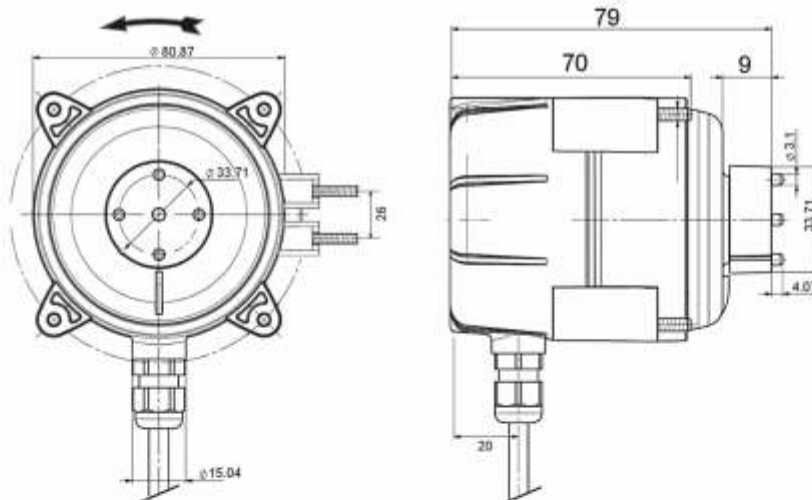
SHAFT DETAIL: FAN HUB

EFFICIENCY: 65% ELECTRICAL EFFICIENCY

NOTES: RETROFITTABLE WITH SHADED POLE UNITS



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Mounting S.E.	Mounting O.S.E.	Side Studs	IP Rating	Lead Length (mm)	Used on Blades	Ex. Rated?	Price £
ECFM14-1	220/230V	12-15W	ACW	15	4 studs	7 T.H.	2 Possible	54	2000	154 - 230	Yes	£ 35.83
ECFM14-67	220/230V	12-15W	ACW	15	4 studs	7 T.H.	2 Possible	67	2000	154 - 230	Yes	£ 35.83 NEW



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Mounting S.E.	Mounting O.S.E.	Side Studs	IP Rating	Lead Length (mm)	Used on Blades	Ex. Rated?	Price £
ECFR-14	220/230V	12-15W	Rev	9	4 studs	-	2	65	500	154 - 230	No	£ 37.80

FAN MOTORS

ECM REFRIGERATION MOTORS

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

PROTECTION: EX. PROOF OPTIONAL

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS / PLUG IN CONNECTOR

SHAFT DETAIL: FAN HUB

EFFICIENCY: 65% ELECTRICAL EFFICIENCY

NOTES: RETROFITTABLE WITH SHADED POLE UNITS



Part Number	Voltage Supply	Rotation S.E.	Shaft Length	Mounting S.E.	Side Studs	IP Rating	Lead Length (mm)	Blades Diameter	Ex. Rated?	Price £
PSEC-172	220/230V	ACW	15	4 Studs	2 Possible	54	2000	172	Yes	£ 29.47
PSEC-200	220/230V	ACW	15	4 Studs	2 Possible	54	2000	200	Yes	£ 29.47
PSECSQ-200	220/230V	ACW	12	4 Studs	4 studs	54	500	200	No	£ 35.84 NEW
PSEC-230	220/230V	ACW	15	4 Studs	2 Possible	54	2000	230	Yes	£ 29.47
PSECSQ-230	220/230V	ACW	12	4 Studs	4 studs	54	500	230	No	£ 35.84 NEW
PSEC-254	220/230V	ACW	15	4 Studs	2 Possible	54	2000	254	Yes	£ 29.47
PSECSQ-254	220/230V	ACW	12	4 Studs	4 studs	54	500	254	No	£ 35.84 NEW
PSEC-300	220/230V	ACW	15	4 Studs	2 Possible	54	2000	300	Yes	£ 29.47

The above models are a fixed speed EC fan motor, they can only be used on the suggested blades

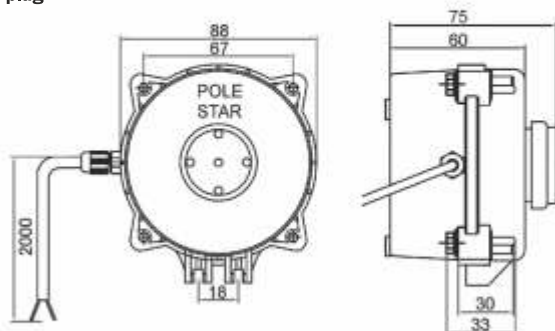


ORIGINAL REPLACEMENT
W1G200



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Mounting S.E.	Side Studs	IP Rating	Lead Length (mm)	Used on Blades	Ex. Rated?	Price £
ECFM14-PL1	220/230V	7-14W	ACW	15	4 Studs	2 Possible	54	500	154 - 230	Yes	£ 52.48
PSEC-200-28-PL1	220/230V	-	ACW	15	4 Studs	2 Possible	54	2000	200-28	Yes	£ 39.99 NEW

Fits popular German manufacturers plug



FAN MOTORS

ECM REFRIGERATION MOTORS

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

PROTECTION: EX. PROOF OPTIONAL

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

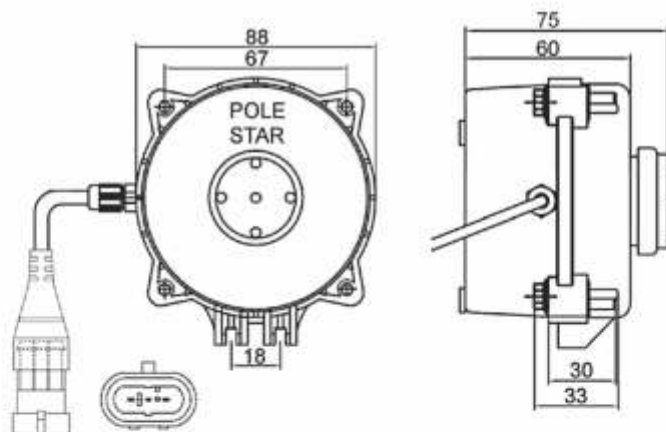
TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS / PLUG IN CONNECTOR

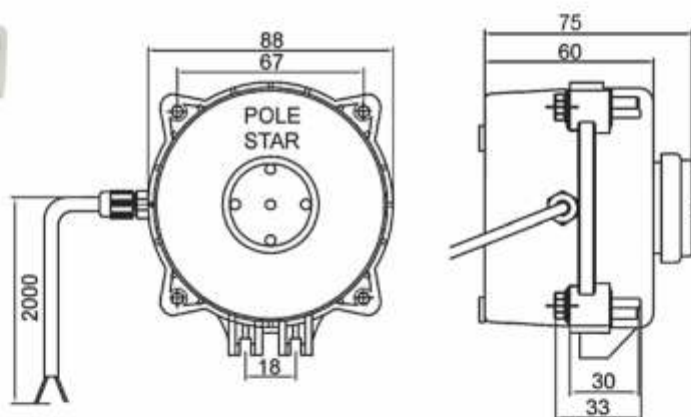
SHAFT DETAIL: FAN HUB

EFFICIENCY: 65% ELECTRICAL EFFICIENCY

NOTES: RETROFITTABLE WITH SHADED POLE UNITS



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Mounting S.E.	Side Studs	IP Rating	Lead Length (mm)	Used on Blades	Ex. Rated?	Price £
ECFM14-PL2	220/230V	7-14W	ACW	15	4 Studs	2 Possible	54	500	154-230	Yes	£ 52.48



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Mounting S.E.	Side Studs	IP Rating	Lead Length (mm)	Used on Blades	Ex. Rated?	Price £
ECFM14-PL3	220/230V	7-14W	ACW	15	4 Studs	2 Possible	54	500	154-230	Yes	£ 52.48

Fits popular German manufacturers plug

FAN MOTORS

ECM REFRIGERATION MOTORS

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

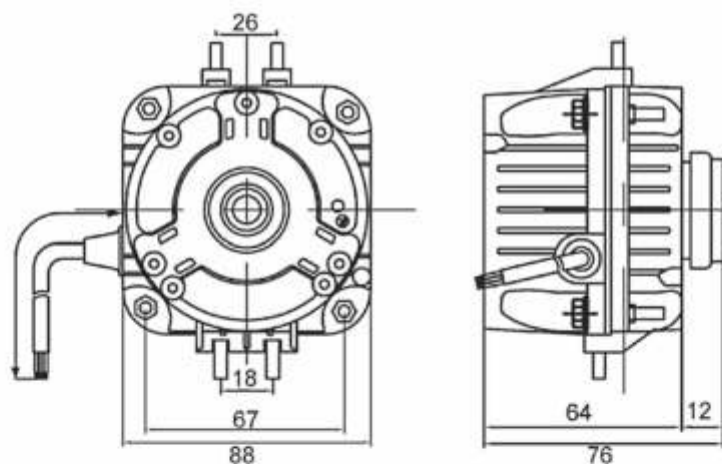
TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS / PLUG IN CONNECTOR

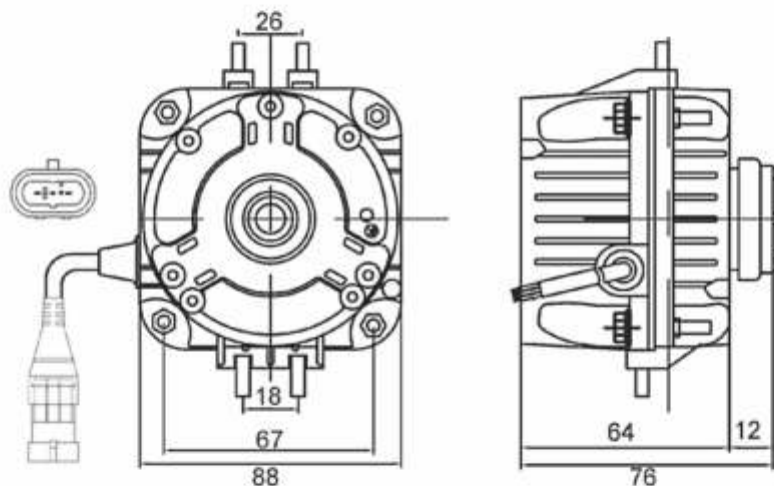
SHAFT DETAIL: FAN HUB

EFFICIENCY: 65% ELECTRICAL EFFICIENCY

NOTES: RETROFITTABLE WITH SHADED POLE UNITS



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Mounting S.E.	Side Studs	IP Rating	Lead Length (mm)	Blade Diameter	Pitch	Price £
PSECSQ-200-28	220/230V	7-14W	ACW	12	4 studs	2 studs	54	500	200	28	£ 35.83
PSECSQ-230-28	220/230V	7-14W	ACW	12	4 studs	2 studs	54	500	230	28	£ 35.83



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Shaft Length	Mounting S.E.	Side Studs	IP Rating	Lead Length (mm)	Blade Diameter	Pitch	Price £
PSECSQ-200-28-PL2	220/230V	7-14W	ACW	12	4 studs	2 studs	54	500 & plug	200	28	£ 52.48
PSECSQ-230-28-PL2	220/230V	7-14W	ACW	12	4 studs	2 studs	54	500 & plug	230	28	£ 52.48

FAN MOTORS

ECM REFRIGERATION MOTORS

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

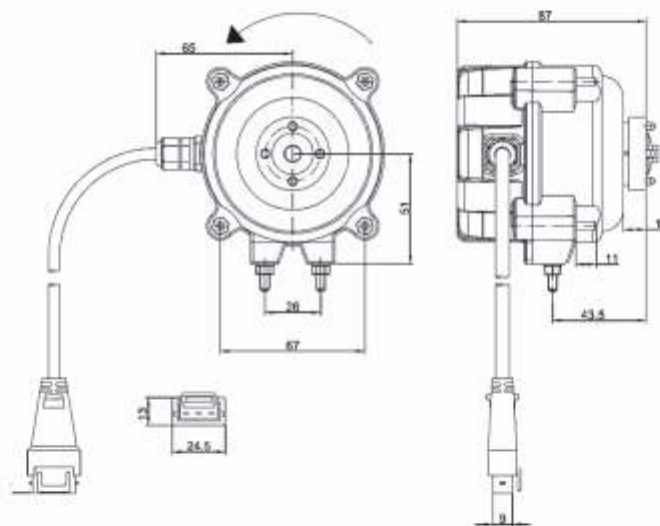
TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS / PLUG IN CONNECTOR

SHAFT DETAIL: FAN HUB

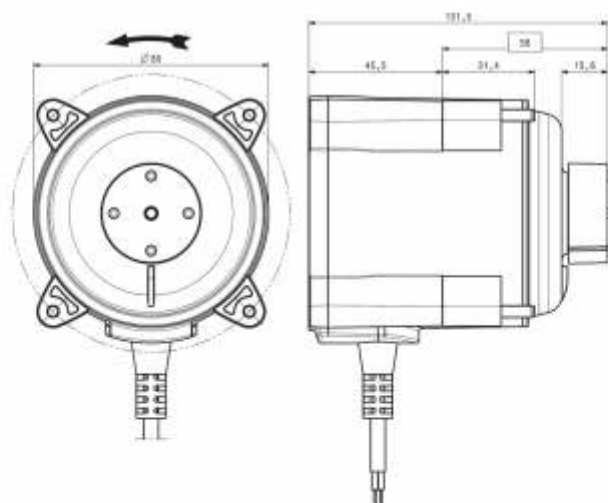
EFFICIENCY: 65% ELECTRICAL EFFICIENCY

NOTES: RETROFITTABLE WITH SHADED POLE UNITS



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Mounting S.E.	Side Studs	Shaft Length	IP Rating	Lead Length (mm)	Used on Blades	Ex. Approved?	Price £
ECFM14-PL6	220/230V	12-14W	ACW	4 studs	2 studs (26mm)	10	65	300	154-254	Yes	£ 52.48

Part Number	Voltage Supply	Motor Power	Rotation S.E.	Mounting S.E.	Side Studs	Shaft Length	IP Rating	Lead Length (mm)	Used on Blades	Ex. Approved?	Price £
ECFM18-1	220/230V	18.5W	ACW	4 studs	2 studs (26mm)	12	54	1000	154-254	Yes	£ 42.35



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Mounting S.E.	Side Studs	Shaft Length	IP Rating	Lead Length (mm)	Used on Blades	Ex. Approved?	Price £
ECFM20-1	220/230V	20-24W	ACW	4 studs	-	15.6	54	1000	230-300	No	£ 71.11

FAN MOTORS

ECM REFRIGERATION MOTORS

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

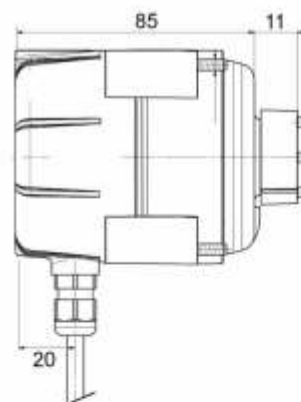
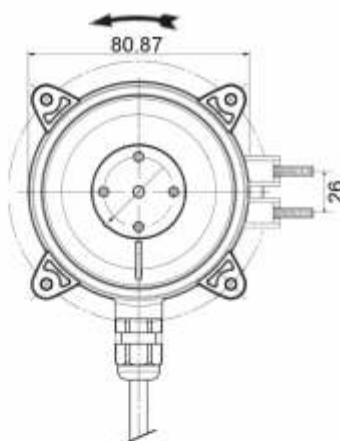
TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS

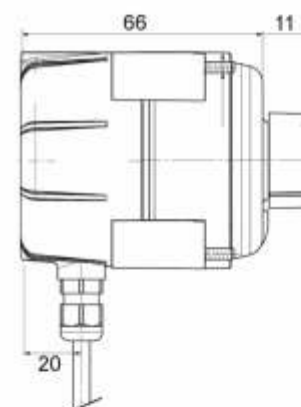
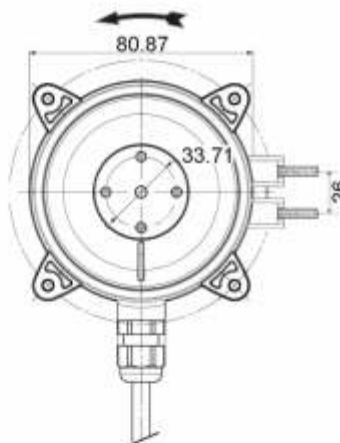
SHAFT DETAIL: FAN HUB

EFFICIENCY: 65% ELECTRICAL EFFICIENCY

NOTES: RETROFITTABLE WITH SHADED POLE UNITS



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Mounting S.E.	Side Studs	Shaft Length	IP Rating	Lead Length (mm)	Used on Blades	Ex. Approved?	Price £
ECFR-20	220/230V	20-24W	Rev	4 studs	2 studs (26mm)	11	65	500	230-300	No	£ 44.35



Part Number	Voltage Supply	Motor Power	Rotation S.E.	Mounting S.E.	Side Studs	Shaft Length	IP Rating	Lead Length (mm)	Used on Blades	Ex. Approved?	Price £
ECFM24-1	220/230V	24W	ACW	4 studs	2 studs (26mm)	11	65	1000	230-300	No	£ 42.35

ECM REFRIGERATION MOTORS

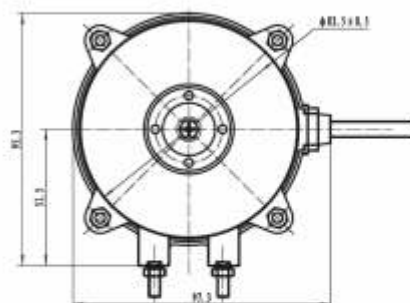
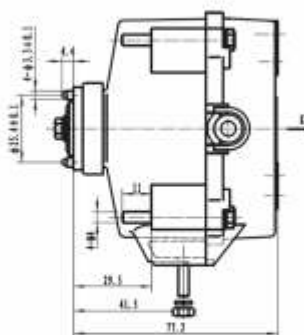
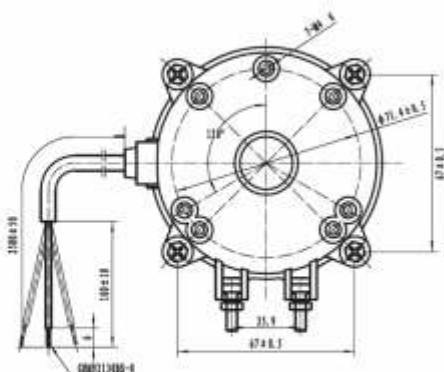
RATING: CONTINUOUSLY RATED AIR OVER MOTOR

NOTES: RETROFITTABLE WITH SHADED POLE UNITS

Part Number	Voltage Supply	Motor Power	Rotation S.E.	Motor RPM	Body Length	Mounting S.E.	Mounting N.D.E.	Side Studs	Shaft Length	IP Rating	Lead Length (mm)	Price £
ECTM25-1	220/230V	25W	ACW	2300	63	4 studs	7 T.H.	2 studs (26mm)	14	54	2500	£ 42.99

Part Number	Voltage Supply	Motor Power	Rotation S.E.	Motor RPM	Body Length	Mounting S.E.	Mounting N.D.E.	Side Studs	Shaft Length	IP Rating	Lead Length (mm)	Price £
ECFM7-900/1300-2V	220/230V	7W	ACW	900/1300	63	4 studs	7 T.H.	2 studs (26mm)	14	54	2500	£ 42.99 NEW
ECFM8-200-28/2V	220/230V	8W	ACW	900/1300	63	4 studs	7 T.H.	2 studs (26mm)	14	54	300	£ 42.99 NEW
ECFM8/2V	220/230V	8W	ACW	900/1300	75	4 studs	7 T.H.	2 studs (26mm)	9	65	500	£ 42.99 NEW
ECFM10/1000/1500-2V	220/230V	10W	ACW	1000/1500	63	4 studs	7 T.H.	2 studs (26mm)	14	54	2500	£ 42.99 NEW
ECTM20/2V#	220/230V	22W	ACW	2100/1500	85	4 studs	7 T.H.	2 studs (26mm)	9	65	450	£ 44.35 NEW

NOTES # whilst stocks last





We have a range of XRM and 90 Range motors which have a specialised application; they are used in warm air curtain units such as over door heaters.

They are single phase units which drive narrow long cross flow wheels, generally 80mm, 100mm or 120mm blade diameter and range in length anywhere from 200mm up to over 1000mm.

The standard models are a PSC (Permanent split capacitor) style motor offering around 40-50% power efficiency, at a cost effective price. Whilst we do also now stock an EC (Electronically commutated) model too, which is over 65% efficient.

The two designs we have differ with our XRM models being of an external rotor motor design where the motor body turns along with the motor shaft. The other design is our 90 range which is a more traditional fixed position motor body where all moving parts are internal to the casing.

FAN MOTORS

WARM AIR CURTAIN

TYPE: PSC MOTOR

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED & THREE SPEED

INSULATION: CLASS B, IP42

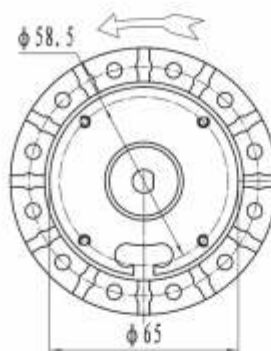
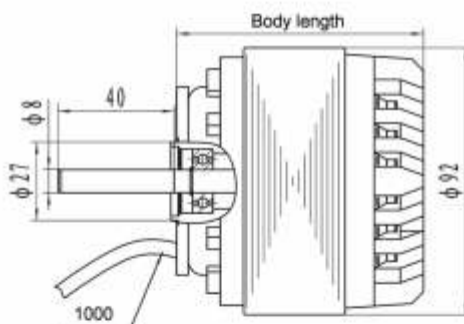
ENCLOSURE: TOTALLY ENCLOSED & VENTILATED

RATING: MECHANICAL DUTY

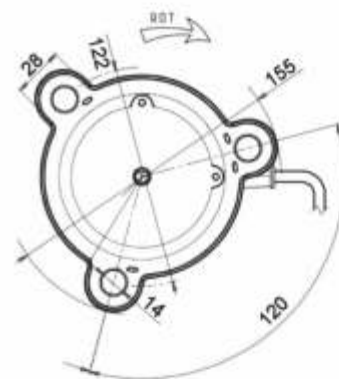
BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -30°C TO +60°C

CONNECTIONS: FLYING LEADS



Part Number	Motor Power	No. of Speeds	Rotation S.E.	Body Type	Body Length	Shaft Diameter	Price £
XRM1-FS30-1	30W	1	Rev	Vent.	73	8mm	£ 76.55
XRM1-FS50-1	50W	1	Rev	Vent.	84	8mm	£ 80.38



Part Number	Motor Power	No. of Speeds	Rotation S.E.	Body Type	Body Length	Shaft Diameter mm	Price £
90FM30D-1	30W	3	CW	T.E.	80	8mm	£ 101.30

FAN MOTORS

WARM AIR CURTAIN - EC

TYPE: ENERGY SAVING (ELECTRONICALLY COMMUTATED MOTORS)

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: THREE SPEED

INSULATION: CLASS B, IP42

ENCLOSURE: TOTALLY ENCLOSED

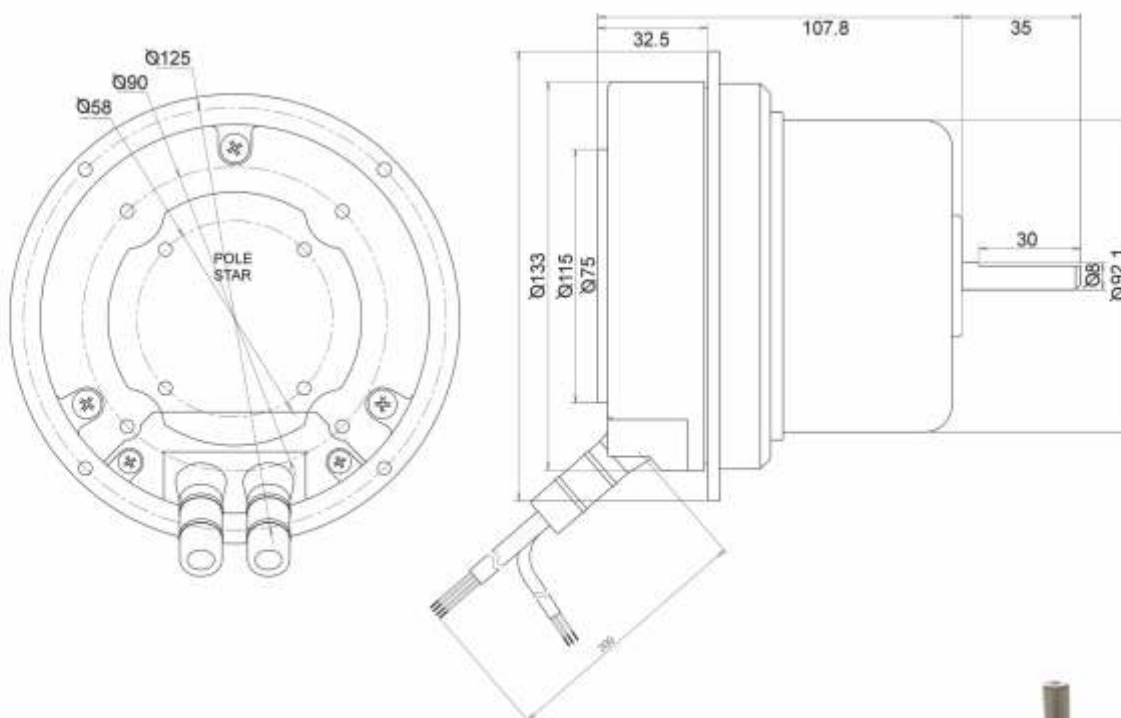
BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -20°C TO +55°C

CONNECTIONS: FLYING LEADS

EFFICIENCY: 65% ELECTRICAL EFFICIENCY

NOTES: COMPLETE WITH SIMPLE CONTROLLER



Part Number	Motor Power	No. of Speeds	Rotation S.E.	Body Type	Price £
XRM1-FS100-EC	100W	3	ACW	T.E.	£ 114.58

FAN MOTORS

OIL & GAS BURNER MOTORS



Our range of oil and gas burner motors are PSC (Permanent split capacitor) motors, they replace the majority of commonly found O.E.M. motors in oil and gas fired burner applications.

They range from 50watt output power up to 3Kw although typically we only keep stocks of up to 250watts.

All burner motors are high speed 2pole (2800RPM) units and fit via a variety of flange and spigot configurations (such as NEMA1 or NEMA2).

Generally the flanges are interchangeable with the different models so several combinations of motor power/shaft details and flange mounting can be achieved.

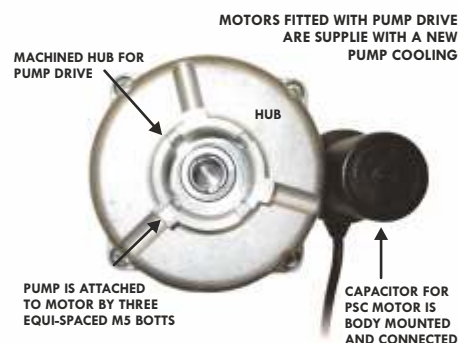
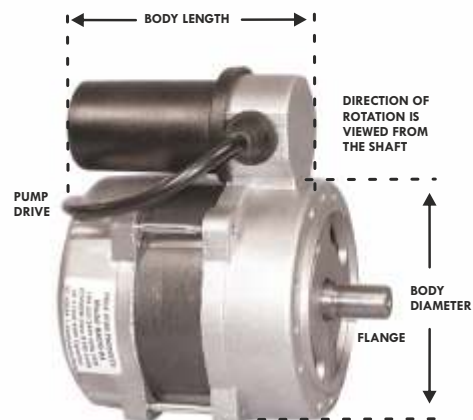
The majority of stocked units are single phase although three phase units are available but may have a small lead time attached; units also can be available with pump hubs (32mm or 54mm inner hub size).

FAN MOTORS

OIL & GAS BURNER MOTORS

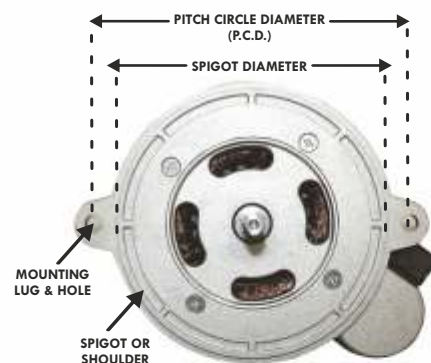
Motors

Application Make	Application Model	Our Part Number
Ecoflam	Minor (Short)	BM70-03
Ecoflam	MAX1	BM75-04
Electro-oil	Interoil B9	BM70-03
Electro-oil	Interol 99/109/12	BM90-09
Electro-oil	Interoil/Gas 2011/20	BM90-13
Electro-oil	Sterling 35/40/50	BM90-16
Monoflame	Minor 1&4	BM70-04
Nu-way	C1/ZLO	BM90-09
Nu-way	ZL2D/D16	BM250-04
Nu-way	C2	BM150-03
Riello	Mectron	BM90-10
Riello	RDB	BM150-02
Riello	RDB	BM90-01
Selectos	D42/T40/D11	BM90-09
Selectos	D13	BM130-01
Benetone	B11/B20	BM90-13
TC Williams	WMG1 & WMG1C	BM90-09
Nu-way	D42	BM90-09
Nu-way	Boxer A, B, C	BM90-09



Wheels

Application Make	Application Model	Our Part Number
Bentone	B9	SVC97.32S
Bentone	B11	SVC108.42D
Ecoflam/Monoflame	Minor 1	SVC97.42D-1
Bentone	BF1	SVC120.52D-1
Ecoflam/Monoflame	Minor 4	SVC120.60D
Sterling Nu-Way	ST35	SVC97.42D
Sterling Nu-Way	ST40	SVC108.42D
Sterling Nu-Way	ST50	SVC120.42D
Ecoflam/Monoflame	MAX Range	SVC120.42D-1
Riello Mectron	RDB	SVC108.42D-1
Riello Mectron	RDB	SVC120.52D
Riello Mectron	RDB	SVC140.62D
Riello	RDB	SVC120.42D-1



DISCLAIMER

All references to manufacturer's names, models or part numbers and any depiction by photographs are solely for guidance, reference and identification. No connection, endorsement or approval by any manufacturer is given or implied. The customer is solely responsible for ensuring correct motor suitability in intended application. Errors and omissions excepted.

FAN MOTORS

OIL & GAS BURNER MOTORS

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 2 POLE (2800RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B, IP44

RATING: MECHANICAL DUTY

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: MAX AMBIENT +40°C

CONNECTIONS: FLYING LEADS/PLUG IN CONNECTOR

NOTES: PUMP HUB (32MM)

NOTES: OTHER SIZES AVAILABLE ON 2-3 DAY DELIVERY.



BM150-02



BM75-04



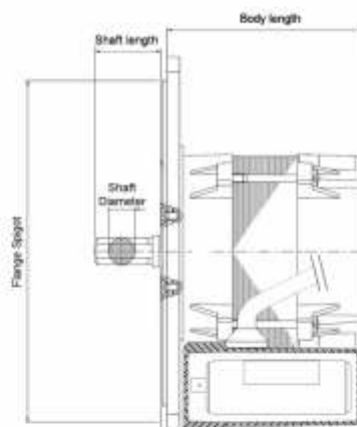
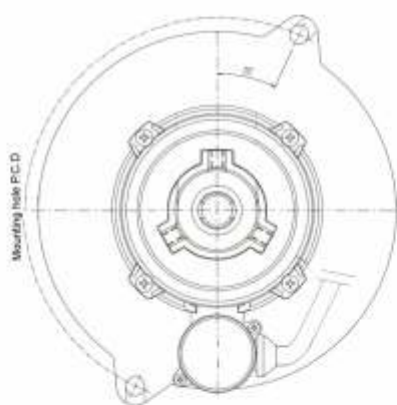
BM90-01



BM70-04 & 05



BM90-10



Part Number	Motor Power	Shaft Diameter	Shaft Length	Rotation S.E.	Body Length	Flange Spigot	Mounting Holes P.C.D.	Pump Hub Size	General Availability	Price £
BM70-05	70W	12.7mm	20	CW	93	70	80	32mm	Ex-stock	£ 64.10
BM75-04	75W	12.7mm	18	CW	93	70	80	32mm	Ex-stock	£ 73.49
BM90-01	90W	12.7mm	20	CW	102	93	108	32mm	Ex-stock	£ 117.74
BM90-10	90W	12.7mm	20	Rev	102	93	108	32mm	Ex-stock	£ 75.55
BM150-02	150W	12.7mm	20	CW	119	93	108	32mm	Ex-stock	£ 170.29

FAN MOTORS

OIL & GAS BURNER MOTORS

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 2 POLE (2800RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B, IP44

RATING: MECHANICAL DUTY

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: MAX AMBIENT +40°C

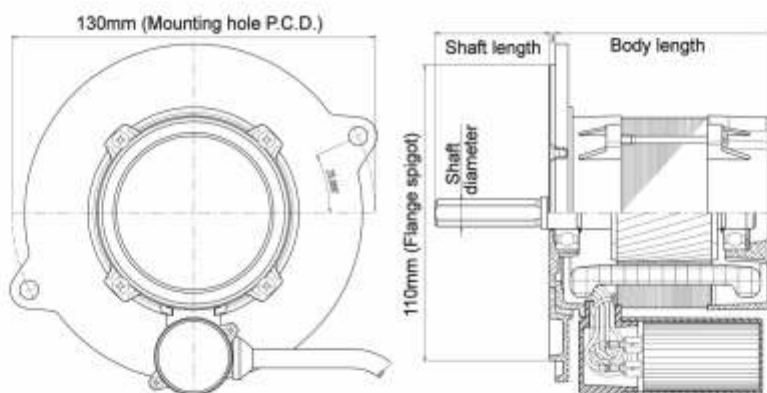
CONNECTIONS: FLYING LEADS/PLUG IN CONNECTOR

NOTES: PUMP HUB (32MM)

NOTES: OTHER SIZES AVAILABLE ON 2-3 DAY DELIVERY



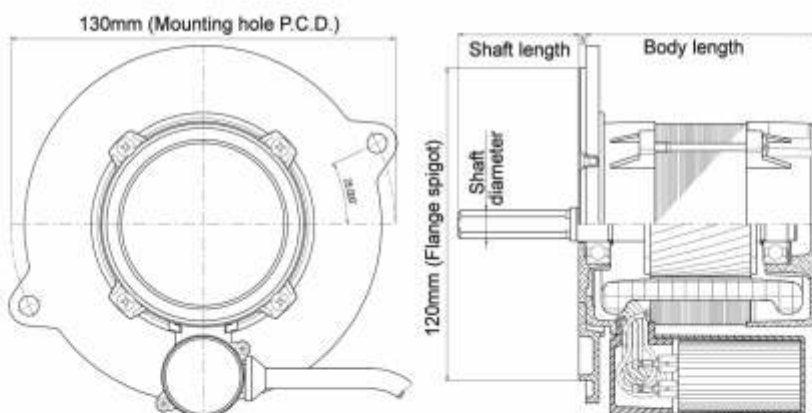
BM90-13



Part Number	Motor Power	Shaft Diameter	Shaft Length	Rotation S.E.	Body Length	Pump Hub Size	General Availability	Price £
BM50-01	50W	8mm	18	ACW	88	32mm	2-3 days	£ call
BM70-02	70W	8mm	20	ACW	80	32mm	Ex-stock	£ 55.00
BM75-03	75W	8mm	46	Rev	100	-	Ex-stock	£ 59.97
35TD75-1	75W	8mm	50	CW	120	-	Ex-stock	£ 58.26
BM90-09	90W	8mm	46	CW	86	-	Ex-stock	£ 55.00
BM90-12	90W	8mm	26	CW	100	-	Ex-stock	£ 70.52
BM90-13	90W	8mm	26	ACW	107	32mm	Ex-stock	£ 72.50
BM150-03	150W	8mm	42	CW	120	-	Ex-stock	£ 82.98



BM90-16



Part Number	Motor Power	Shaft Diameter	Shaft Length	Rotation S.E.	Body Length	Pump Hub Size	General Availability	Price £
BM90-16	90W	8mm	28	CW	105	-	Ex-stock	£ 59.20
BM100-01	100W	8mm	-	Rev	-	-	2-3 days	£ call

FAN MOTORS

OIL & GAS BURNER MOTORS

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 2 POLE (2800RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B, IP44

RATING: MECHANICAL DUTY

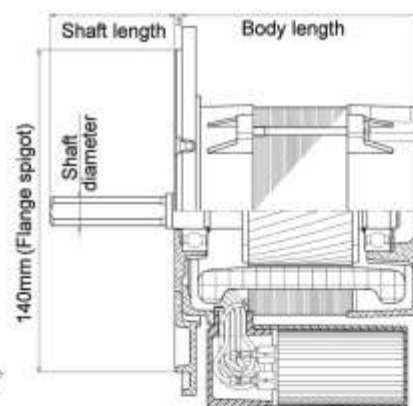
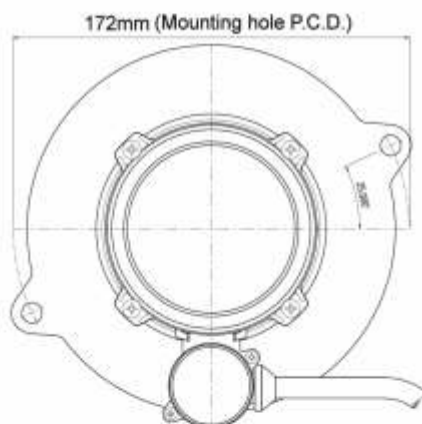
BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: MAX AMBIENT +40°C

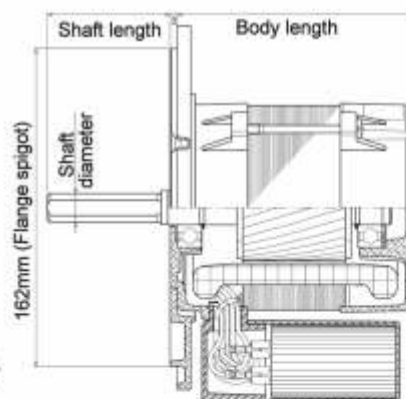
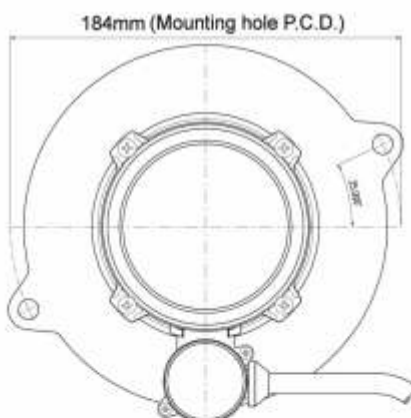
CONNECTIONS: FLYING LEADS/PLUG IN CONNECTOR

NOTES: PUMP HUB (32MM)

NOTES: OTHER SIZES AVAILABLE ON 2-3 DAY DELIVERY



Part Number	Motor Power	Shaft Diameter	Shaft Length	Rotation S.E.	Body Length	Pump Hub Size	General Availability	Price £
BM50-03	50W	12.7mm	32	Rev	82.5	-	2-3 days	£ call
BM75-01	75W	12.7mm	54	Rev	94	-	2-3 days	£ call
BM130-01	130W	12.7mm	26	Rev	110	-	Ex-stock	£ 61.20
BM150-01	150W	12.7mm	54	Rev	104	-	2-3 days	£ call
BM200-02	200W	12.7mm	38	Rev	110	32mm	Ex-stock	£ 175.19



Part Number	Motor Power	Shaft Diameter	Shaft Length	Rotation S.E.	Body Length	General Availability	Price £
BM75-02	75W	12.7mm	54	Rev	89	2-3 days	£ call
BM100-02	100W	12.7mm	54	Rev	94	2-3 days	£ call
BM250-04	250W	12.7mm	52	Rev	130	Ex-stock	£ 62.00

FAN MOTORS

OIL & GAS BURNER MOTORS

TYPE: PSC MOTORS

SUPPLY: THREE PHASE 380-440V, 50/60Hz

POLES: 2 POLE (2800RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B, Ip44

RATING: MECHANICAL DUTY

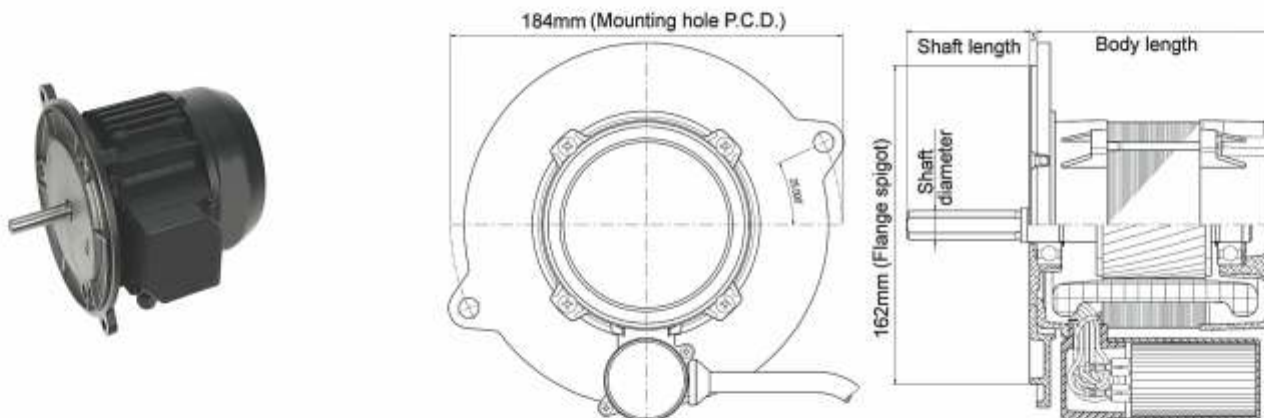
BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: MAX AMBIENT +40°C

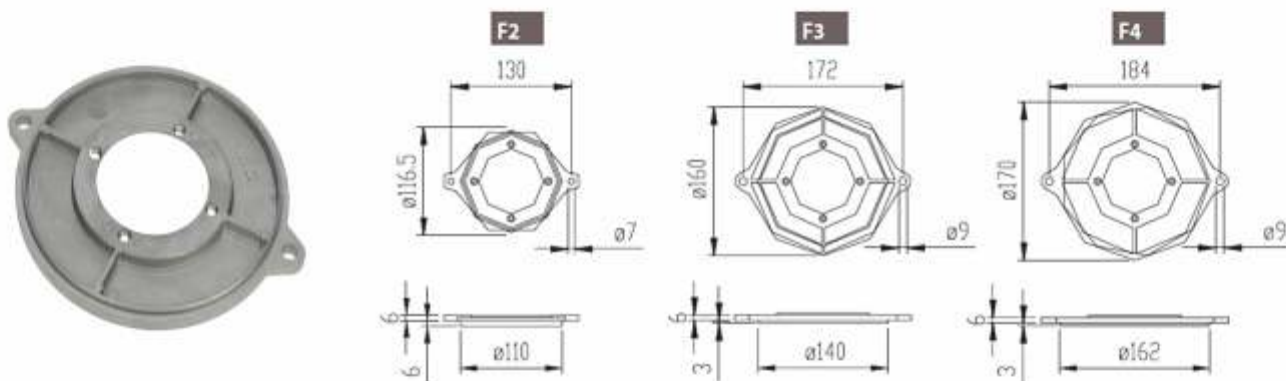
CONNECTIONS: FLYING LEADS/PLUG IN CONNECTOR

NOTES: PUMP HUB (32MM, 54MM)

NOTES: OTHER SIZES AVAILABLE ON 2-3 DAY DELIVERY

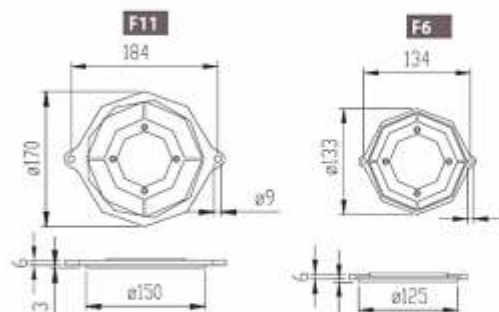


Part Number	Motor Power	Shaft Diameter	Shaft Length	Rotation S.E.	Body Length	Pump Hub Size	General Availability	Price £
BM250-01-3P	250W	12.7mm	54	Rev	141	-	2-3 days	TBC
BM550-01-3P	550W	12.7mm	52	Rev	141	-	2-3 days	TBC
BM750-01-3P	750W	12.7mm	52	Rev	141	-	2-3 days	TBC



Flanges

Part Number	Description	Mounting P.C.D.	Shoulder Diameter	Price £
BMF2	F2	130mm	110	TBC
BMF3	F3 - Nema 1	172mm	140	£ 14.01
BMF4	F4 - Nema 2	184mm	162	£ 14.01
BMF6	F6	134mm	125	TBC
BMF11	F11	180mm	150	TBC



Flanges are currently available on a 3-4 day delivery

FAN MOTORS

RADIAL & LUG MOUNTED MOTORS



Our radial mounting and lug mounting motors (also known as blower motors) are PSC (permanent split capacitor) motors. They are available in a variety of designs and body diameters come in 105mm, 120mm, 145mm and 190mm. They can be ventilated, totally enclosed or extruded shell body to suit a multitude of applications and conditions.

The motors are available in single and three phase supply, in four (1 250RPM) and six (850RPM) poles ranging in power from 6W up to 2000W. Some units are single speed whilst others have three speed settings.

FAN MOTORS

END SHIELD MOUNT - 105 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50HZ

POLES: 4 POLE (1250RPM) & 6 POLE (850RPM)

SPEEDS: SINGLE SPEED

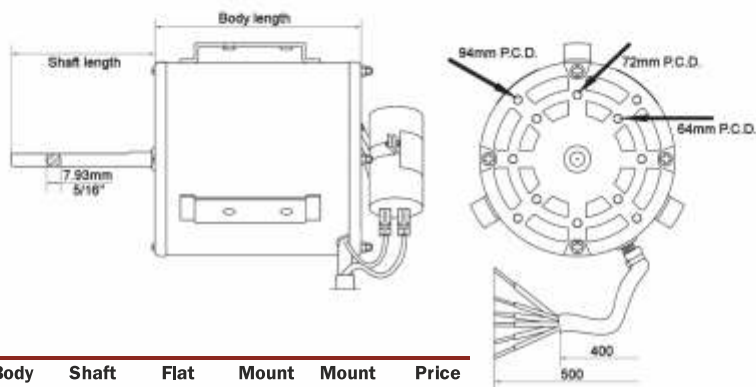
INSULATION: CLASS B

ENCLOSURE: VENTILATED OR TOTALLY ENCLOSED

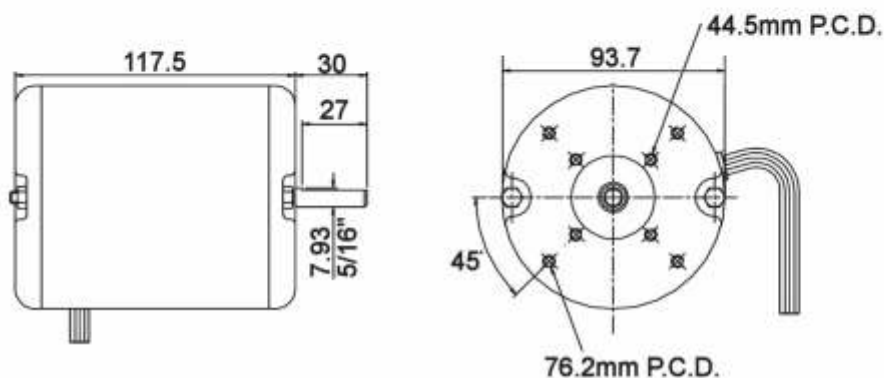
RATING: MECHANICAL DUTY

BEARINGS: SEALED FOR LIFE BALL BEARING

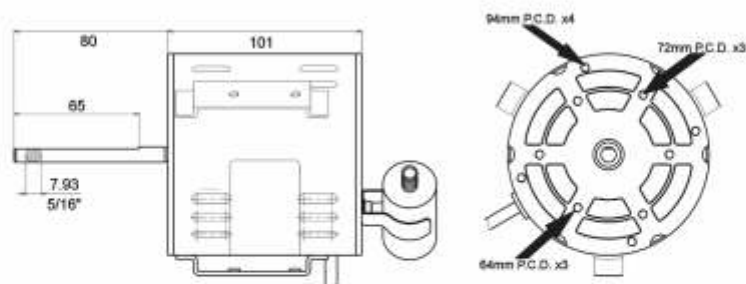
CONNECTIONS: FLYING LEADS



Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Body Length	Shaft Length	Flat Length	Mount SE	Mount OSE	Price £
105FM25R	25W	1250	Rev	Vent	101	65	30	12 TH	-	£ 55.00
105FM35R	35W	1250	Rev	Vent	101	80	65	12 TH	-	£ 59.05
105FM50R	50W	1250	Rev	Vent	101	80	65	12 TH	-	£ 59.98
105SM50R	50W	950	Rev	Vent	115	80	65	12 TH	-	£ 64.80
105FM75R	75W	1250	Rev	Vent	101	80	65	12 TH	-	£ 67.96
105FM100R	100W	1250	Rev	Vent	101	80	65	12 TH	-	£ 72.66



Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Body Length	Shaft Length	Flat Length	Mount SE	Mount OSE	Lead Length	Price £
105SM6D-1	6W	950	CW	T.E.	118	30	27	8 TH	8 TH	420	£ 80.38



Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Body Length	Shaft Length	Flat Length	Mount SE	Mount OSE	Lead Length	Price £
105SM8R	8W	950	Rev	Vent	101	80	65	10 TH	-	500	£ 44.26
105SM12R	12W	950	Rev	Vent	115	80	65	10 TH	-	500	£ 44.59

FAN MOTORS

END SHIELD MOUNT - 120 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50HZ

POLES: 4 POLE (1250RPM) & 6 POLE (850RPM)

SPEEDS: SINGLE SPEED

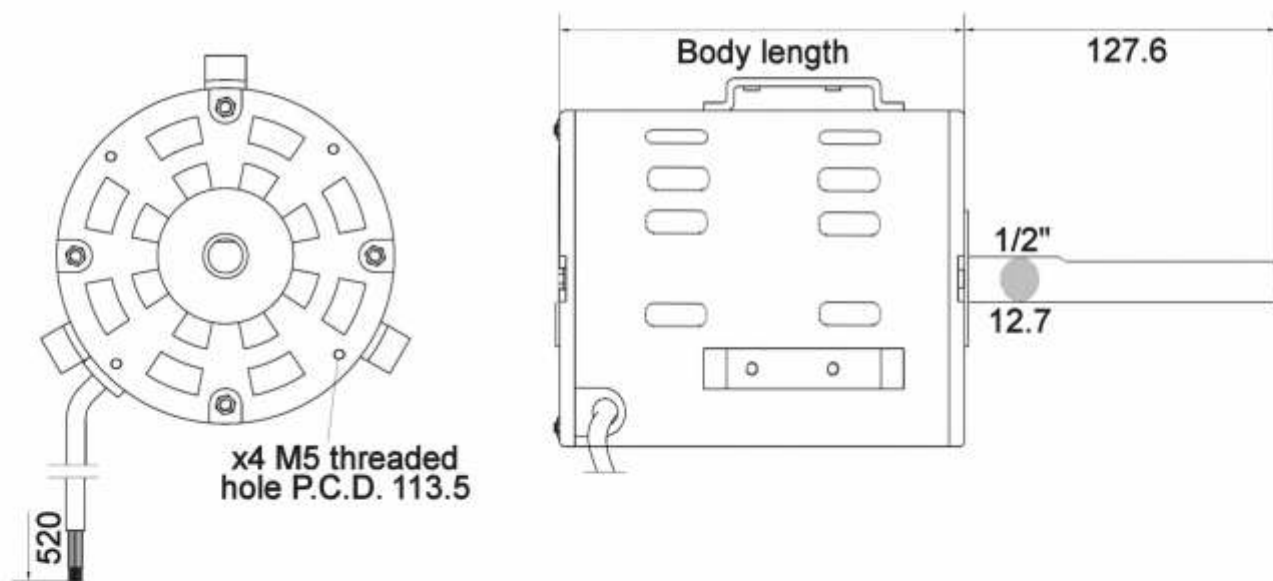
INSULATION: CLASS B

ENCLOSURE: VENTILATED

RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS



Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Body Length	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Mounting Method	Lead Length	Price £
120SM250R	250W	950	Rev	Vent	136	12.7	1/2"	127	4 TH OSE & SE	475	£ 110.39
120FM550R	550W	1350	Rev	Vent	160	12.7	1/2"	127	4 TH OSE & SE	475	£ 113.33

FAN MOTORS

LUG MOUNT - 105 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED

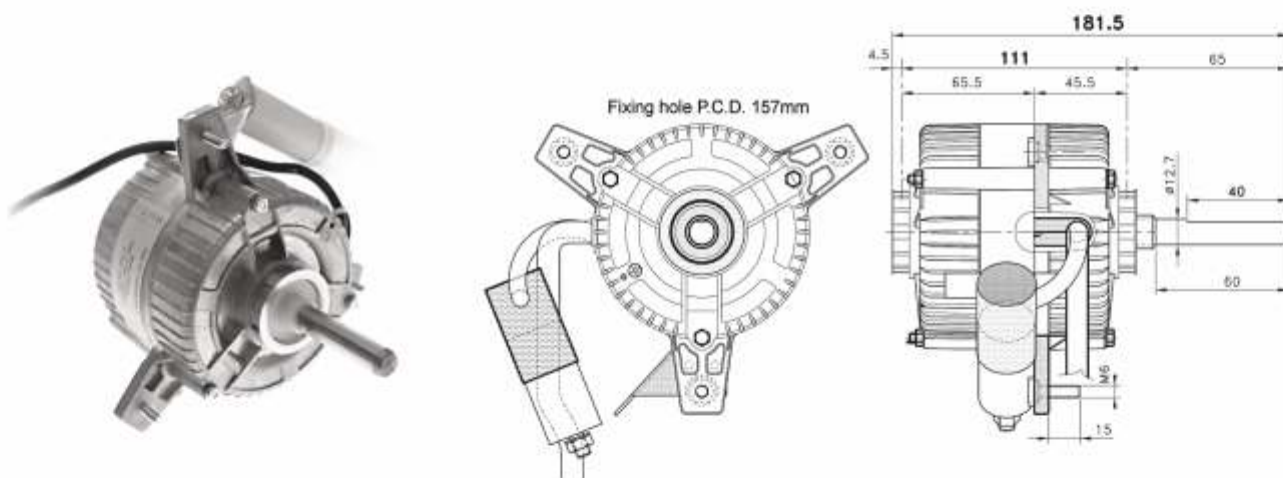
INSULATION: CLASS B

ENCLOSURE: TOTALLY ENCLOSED

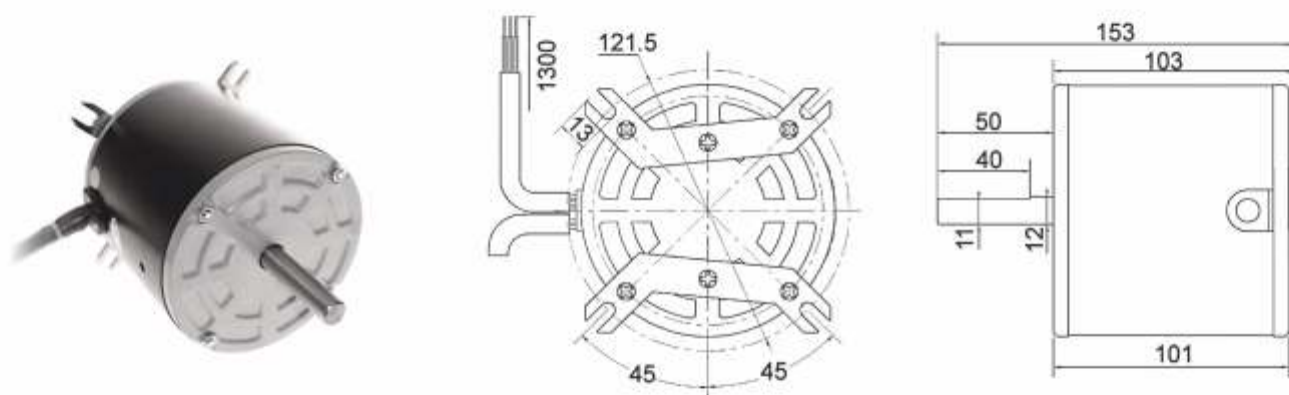
RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS



Part Number	Motor Power	Rotation S.E.	Shaft Diameter mm	Shaft Diameter inches	Lug P.C.D.	Lead Length	Price £
105FM70R-1	70W	Rev	12.7	1/2"	157	1500	£ 78.18



Part Number	Motor Power	Rotation S.E.	Shaft Diameter mm	Shaft Diameter inches	Lug P.C.D.	Lead Length	Price £
105FS70-1	70W	ACW	12	-	128	1300	£ 60.04

FAN MOTORS

RADIAL MOUNT - BRACKETS

3 & 4 BRACKETS



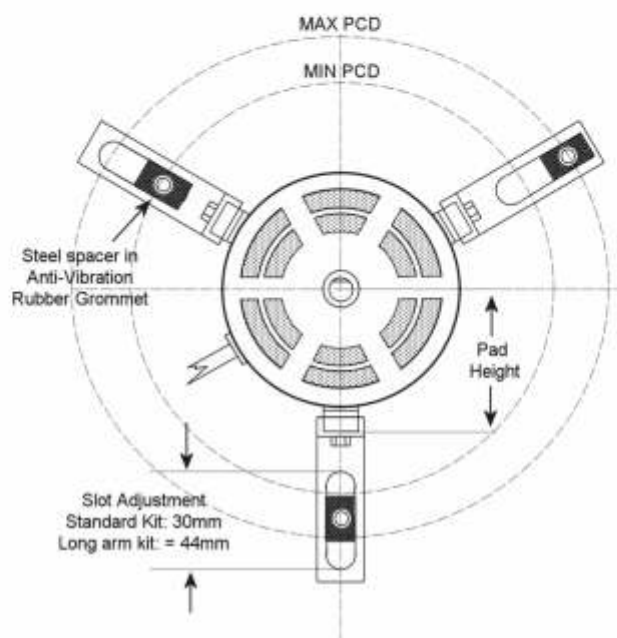
BMKS



BMK-HD4



BMKL



105 range motors suit:

Part Number	Description	Body Diameter	Pad Height	Minimum P.C.D.	Maximum P.C.D.	Mounting Kit Price
BMKS	Standard Kit	105	58	176	236	£ 15.29
BMKL	Long Arm Kit	105	58	232	320	£ 19.12
BMKS	Standard Kit	105	64	188	248	£ 15.29
BMKL	Long Arm Kit	105	64	244	332	£ 19.12

Washers, nuts & bolts supplied

120 range ventilated motors suit:

Part Number	Description	Body Diameter	Pad Height	Minimum P.C.D.	Maximum P.C.D.	Mounting Kit Price
BMKS	Standard Kit	120	73	206	266	£ 15.29
BMKL	Long Arm Kit	120	73	262	360	£ 19.12

Washers, nuts & bolts supplied

120 range extruded shell motors suit:

Part Number	Description	Body Diameter	Pad Height	Minimum P.C.D.	Maximum P.C.D.	Mounting Kit Price
BMK-HD3	Heavy duty (3 arms)	145	-	250	350	£ 21.81
BMK-HD4	heavy duty (4 arms)	145	-	250	350	£ 29.06

Washers, nuts & bolts not supplied

145 range extruded shell motors suit:

Part Number	Description	Body Diameter	Pad Height	Minimum P.C.D.	Maximum P.C.D.	Mounting Kit Price
BMK-HD4	heavy duty (4 arms)	192	-	300	400	£ 29.06

Washers, nuts & bolts not supplied

FAN MOTORS

RADIAL MOUNT - 105 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE & THREE SPEED

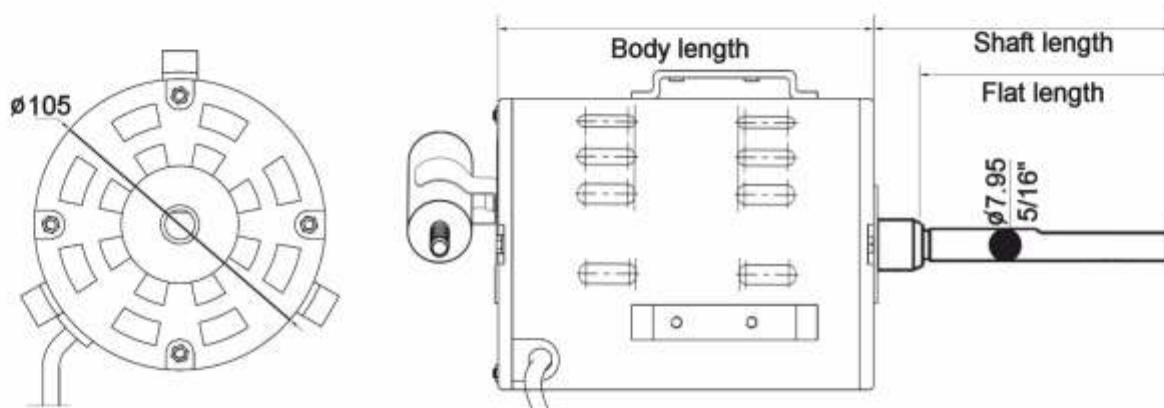
INSULATION: CLASS B

ENCLOSURE: VENTILATED

RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS



Part Number	Motor Power	Number of Speeds	Rotation S.E.	Body Length	Shaft Length	Flat Length	Pad Position	Pad Height	Lead Length	Price £
105FM25R	25W	1	Rev	101	65	30	35	64	500	£ 55.00
105FM35R	35W	1	Rev	101	80	65	35	64	500	£ 59.04
105FM50R	50W	1	Rev	101	80	65	35	64	500	£ 59.98
105FM50R-2	50W	1	Rev	101	80	65	35	64	500	£ 59.98 NEW
105FM75R	75W	1	Rev	101	80	65	35	64	500	£ 67.96
105FM100R	100W	1	Rev	101	80	65	35	64	500	£ 72.65
105FM150R	150W	1	Rev	115	75	55	45	58	600	£ 80.36
105FM150R-2	150W	1	Rev	115	75	55	45	58	600	£ 80.36 NEW
105FM150D/3V	150W	3	CW	120	75	55	45	58	600	£ 92.39
105FM150D/3V-1	150W	3	CW	120	75	55	45	58	600	£ 92.39 NEW

FAN MOTORS

RADIAL MOUNT - 105 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50HZ

POLES: 6 POLE (850RPM)

SPEEDS: SINGLE SPEED

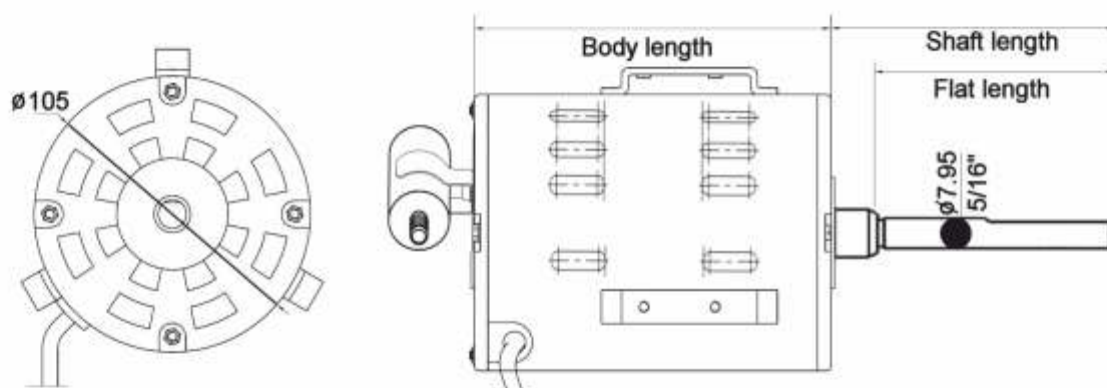
INSULATION: CLASS B

ENCLOSURE: VENTILATED

RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS



Part Number	Motor Power	Rotation S.E.	Body Type	Body Length	Shaft Length	Pad Position	Pad Height	Lead Length	Price £
105SM8R	8W	Rev	Vent	101	80	35	64	500	£ 44.26
105SM12R	12W	Rev	Vent	115	80	45	64	500	£ 44.59
105SM16R	16W	Rev	Vent	115	80	45	64	500	£ 44.76
105SM20R	20W	Rev	Vent	115	80	45	64	500	£ 45.21
105SM25R	25W	Rev	Vent	115	80	45	64	500	£ 46.40
105SM35R	35W	Rev	Vent	115	80	45	64	500	£ 47.57
105SM50R	50W	Rev	Vent	115	80	45	64	500	£ 64.81
105SM75R	75W	Rev	Vent	115	80	45	58	520	£ 83.53
105SM90R	90W	Rev	TE	115	80	45	58	580	£ 84.24

FAN MOTORS

RADIAL MOUNT - 120 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 230V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE SPEED AND THREE SPEED

INSULATION: CLASS B

ENCLOSURE: VENTILATED AND EXTRUDED SHELL

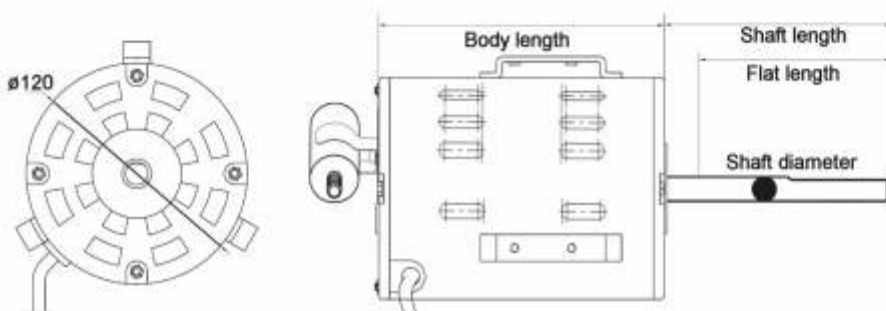
RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS



VENTILATED

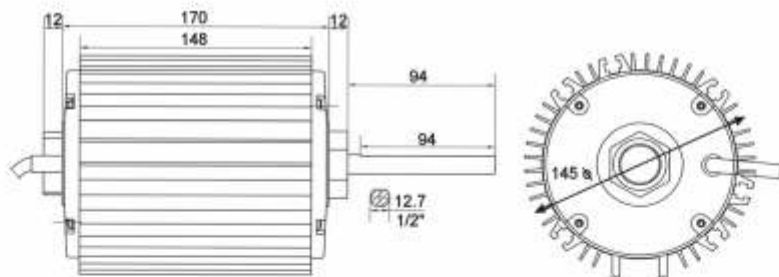


Part Number	Motor Power	Number of Speeds	Rotation S.E.	Body Type	Body Length	Shaft Diameter		Shaft Length	Flat Length	Pad Position	Lead Length	Price £
120FM150R *	150W	1	Rev.	Vent	136	12.7	1/2"	127	110	50	475	£ 99.53
120FM150R-1	150W	1	Rev.	Vent	136	12.7	1/2"	127	110	50	475	£ 99.53
120FM200R *	200W	1	Rev.	Vent	136	12.7	1/2"	127	110	50	475	£ 104.00
120FM200R-1	200W	1	Rev.	Vent	136	12.7	1/2"	127	110	50	500	£ 104.00
120FM200D	200W	1	CW	Vent	120	12.7	1/2"	65	50	45	690	£ 104.09
120FM200D-2	200W	1	CW	Vent	120	12.7	1/2"	65	50	45	690	£ 104.09
120FM200D-1	200W	1	CW	Vent	120	9.53	3/8"	65	50	45	690	£ 104.14
120FM370R *	370W	1	Rev.	Vent	136	12.7	1/2"	127	110	50	530	£ 110.53
120FM370R-1	370W	1	Rev.	Vent	136	12.7	1/2"	127	110	50	530	£ 110.53
120FM370D/3V	370W	3	CW	Vent	160	12.7	1/2"	127	110	50	530	£ 123.27
120FM550R *	550W	1	Rev.	Vent	136	12.7	1/2"	127	110	50	475	£ 113.34
120FM550R-1	550W	1	Rev.	Vent	136	12.7	1/2"	127	110	50	500	£ 113.34
120FM550D/3V	550W	3	CW	Vent	160	12.7	1/2"	127	110	55	520	£ 126.08

* whilst stocks last



EXTRUDED SHELL



Part Number	Motor Power	Number of Speeds	Rotation S.E.	Body Type	Body Length	Shaft Diameter		Shaft Length	Flat Length	Lead Length	Price £
120FM370D/3V-E	370W	3	CW	Ext. Shell	170	12.7	1/2"	127	80	400	£ 138.14
120FM550D/3V-E	550W	3	CW	Ext. Shell	170	12.7	1/2"	93	93	400	£ 140.97

FAN MOTORS

RADIAL MOUNT - 120 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE & THREE PHASE 220-240V, 380-420V, 50HZ

POLES: 6 POLE (850RPM)

SPEEDS: SINGLE SPEED

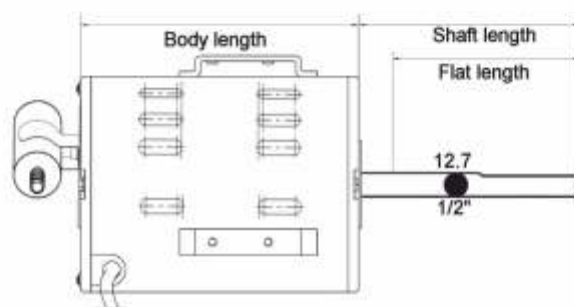
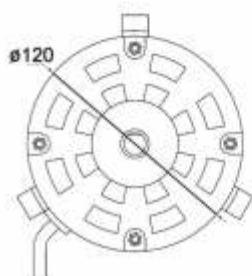
INSULATION: CLASS B

ENCLOSURE: VENTILATED AND EXTRUDED SHELL

RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

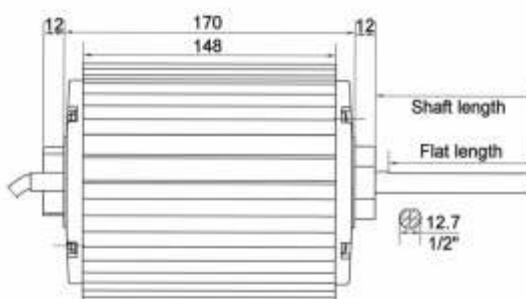
CONNECTIONS: FLYING LEADS



VENTILATED

Part Number	Motor Power	Phase Supply	Number of Speeds	Rotation S.E.	Body Type	Body Length	Shaft Diameter mm	Shaft inches	Shaft Length	Flat Length	Pad Position	Lead Length	Price £
120SM50D/3V	50W	1	3	CW	TE	100	12.7	1/2"	127	-	Belly band	1100	£ 126.67 NEW
120SM125R*	125W	1	1	Rev.	Vent	120	12.7	1/2"	127	110	45	475	£ 81.77
120SM125R-1	125W	1	1	Rev.	Vent	120	12.7	1/2"	127	110	45	475	£ 81.77 NEW
120SM200R*	200W	1	1	Rev.	Vent	120	12.7	1/2"	127	110	45	475	£ 106.59
120SM200R-1*	200W	1	1	Rev.	Vent	120	12.7	1/2"	127	110	45	475	£ 95.53
120SM200R-2	200W	1	1	Rev.	Vent	120	12.7	1/2"	127	110	45	475	£ 106.59 NEW
120SM250R	250W	1	1	Rev.	Vent	136	12.7	1/2"	127	110	50	475	£ 110.40
120SM250D/3V	250W	1	3	CW	Vent	160	12.7	1/2"	127	110	50	475	£ 123.17
120SM335R	335W	1	1	Rev.	Vent	136	12.7	1/2"	127	110	50	475	£ 118.58

Items marked * have limited stocks



EXTRUDED SHELL

Part Number	Motor Power	Phase Supply	Number of Speeds	Rotation S.E.	Body Type	Body Length	Shaft Diameter mm	Shaft inches	Shaft Length	Flat Length	Lead Length	Price £
120SM185D/3V-E	185W	1	3	CW	Ext. Shell	170	12.7	1/2"	127	80	400	£ 121.45
120SM245D/3V-E	245W	1	3	CW	Ext. Shell	170	12.7	1/2"	127	80	400	£ 125.28
120SM750R-3P	750W	3	1	Rev	Ext. Shell	210	15.87	5/8"	127	80	1750	£ 189.97

Either 3 or 4 heavy duty arms can be used

FAN MOTORS

RADIAL MOUNT - 145 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE & THREE PHASE 220-240V, 380-420V, 50HZ

POLES: 6 POLE (850RPM)

SPEEDS: SINGLE SPEED & THREE SPEED

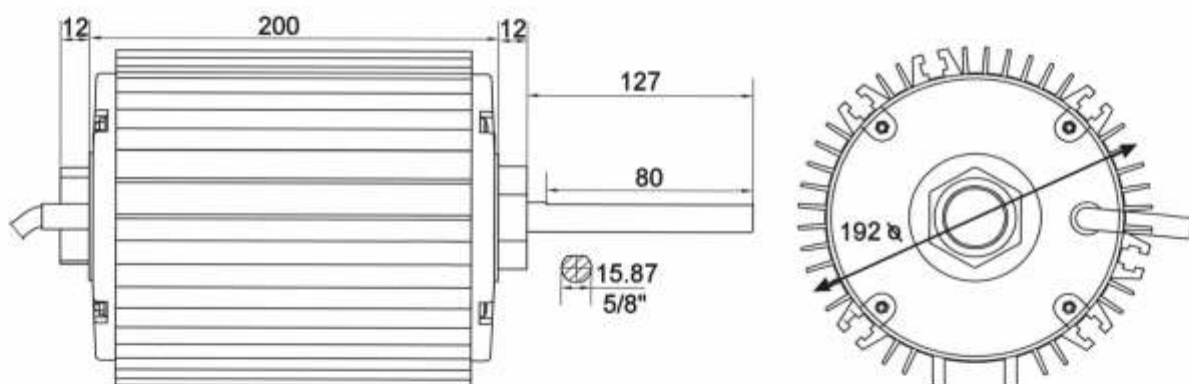
INSULATION: CLASS B

ENCLOSURE: EXTRUDED SHELL

RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS



ALL OTHER MODELS

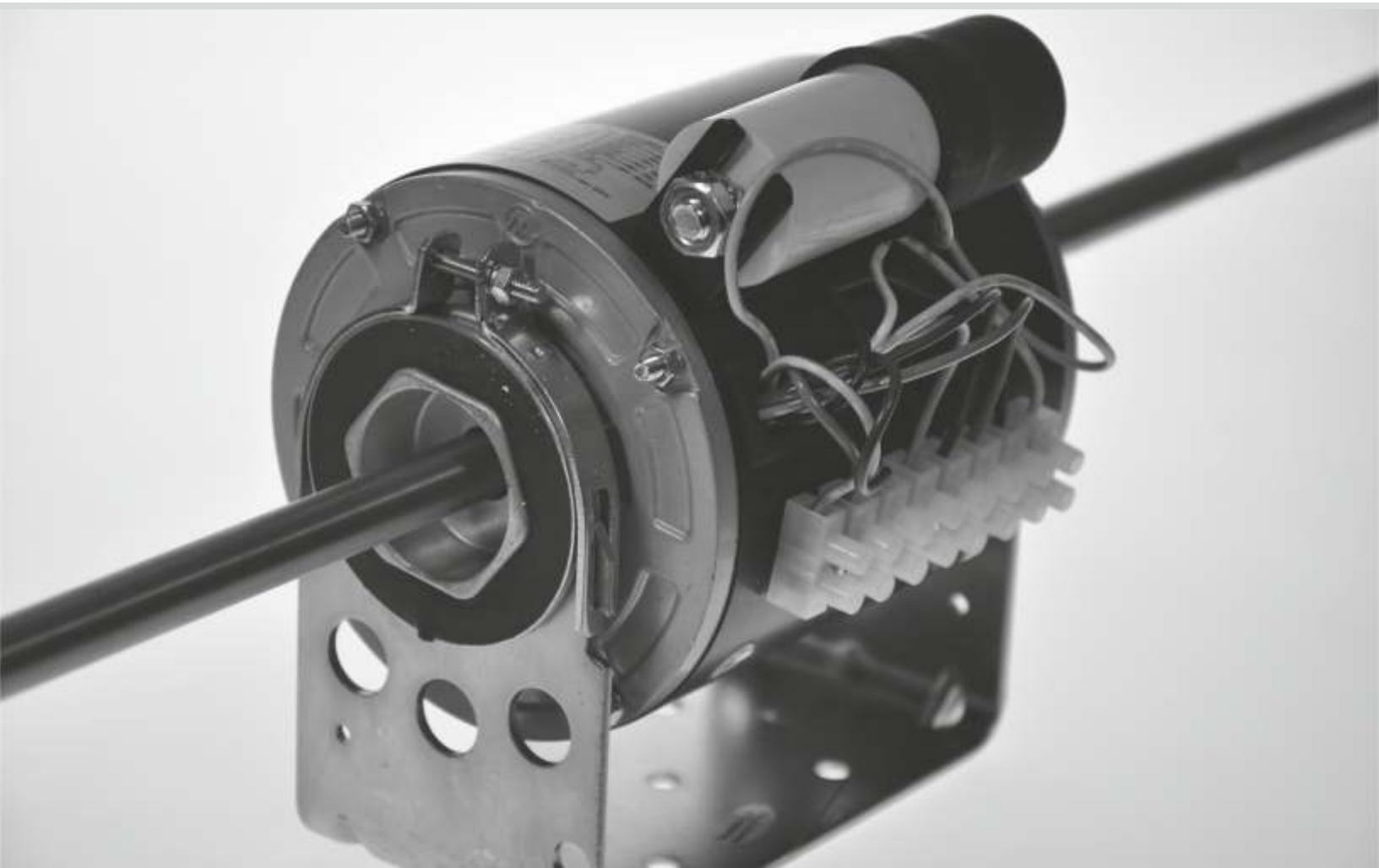


145SM560D/1V-E

Part Number	Motor Power	Phase Supply	Number of Speeds	Rotation S.E.	Body Length	Shaft Length	Body Type	Lead Length	Price £
145SM550D/3V-E	550W	1	3	CW	200	127	Ext. Shell	400	£ 140.98
145SM560D/1V-E	560W	1	1	CW	192	90	Ext. Shell	400	£ 200.26
145SM630D/3V-E	630W	1	3	CW	200	127	Ext. Shell	400	£ 164.94
145SM735D/3V-E	735W	1	3	CW	200	127	Ext. Shell	400	£ 189.86
145SM750R/3P	750W	3	1	Rev	200	127	Ext. Shell	1750	£ 189.86 NEW
145SM1100R-3P	1100W	3	1	Rev	182	127	Ext. Shell	1750	£ 305.72

Above motors must use BMK HD4

*145SM560D/1V-E comes with a pre-fitted mounting kit (3 arms on 360mm PCD)



Our highly popular resilient mount motors (also known as fan coil motors) are PSC (permanent split capacitor) motors and EC (Electronically commutated). They have a variety of applications including air curtain, fan decks, refrigeration, air conditioning and many more.

The motors come in three body diameters which scale along with motor output power (105mm, 120mm and 145mm). They are available in single and three phase supply and both four pole (1250RPM) and six pole (850RPM).

These fan coil and refrigeration motors fit via a resilient base which is bolted/welded to a tray and the motors then fit to this base via two resilient rings either side of the motor body and fastened into place by two resilient clips (sometimes called horseshow clips).

The motor power varies from 15watts up to 550watts, in both single speed and multi-speed versions. The size of our range enables us to cross match most fan coil units that are currently in operation within the UK.

105 range of permanent split capacitor (PSC) motors are manufactured in 2, 4 and 6 pole versions with a power output ranging from 8W up to 150W. They are found primarily in air movement and HVAC applications, the motors themselves can be either ventilated or totally enclosed depending upon the application.

With the new ERP regulations we also are able to offer a wide range of EC (Electronically commutated) energy saving motors which can be fitted to both new and also retro-fitted to existing units.

FAN MOTORS

RADIAL / RESILIENT MOUNT & FOOT MOUNT

TYPE: PSC MOTORS

SUPPLY: SINGLE & THREE PHASE 220-240V, 380-420V, 50HZ

POLES: 6 POLE (850RPM)

SPEEDS: SINGLE SPEED

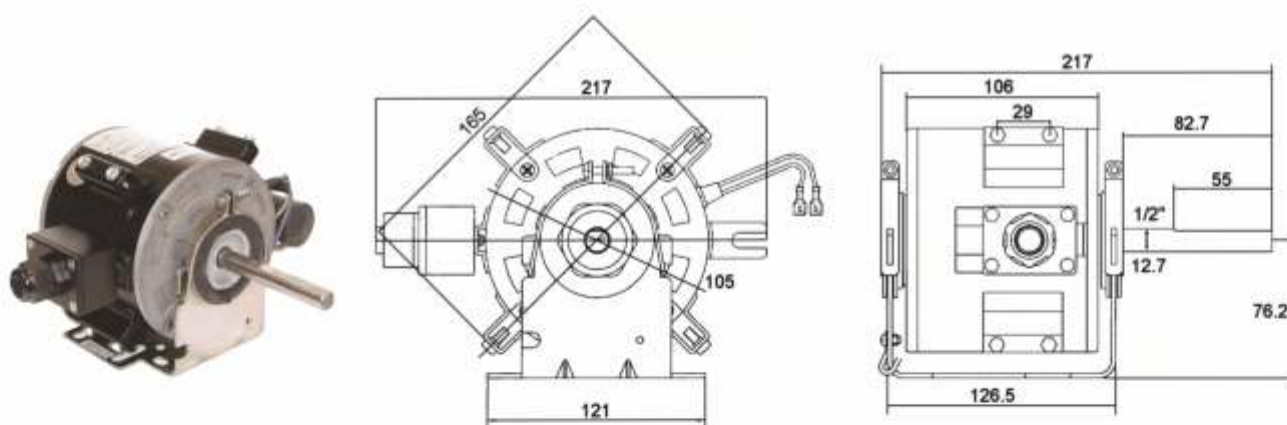
INSULATION: CLASS B

ENCLOSURE: TOTALLY ENCLOSED

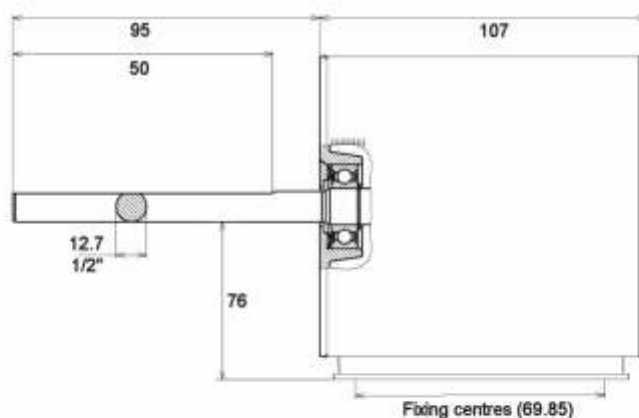
RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: JUNCTION BOX OR LEADS



Part Number	Phase Supply	Motor Power	Rotation S.E.	Pad Mounting	Lead Length	Price £
48FS90-2	1	90W	ACW	4 Pad	Box (M12 Conduit)	£ 76.56
48FS90-5	1	90W	ACW	4 Pad	Box (M20 Conduit)	£ 76.56
48FM90-3PH	3	90W	Rev	4 Pad	160	£ 76.56



Part Number	Phase Supply	Motor Power	Rotation S.E.	Mounting Method	Lead Length	Price £
120FS90	1	90W	ACW	Foot Mount	300	£ 92.22

FAN MOTORS

RADIAL / RESILIENT MOUNT - 120 & 48 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE & THREE PHASE 220-240V, 380-420V, 50HZ

POLES: 4 POLE (1250RPM) & 6 POLE (850RPM)

SPEEDS: SINGLE & MULTI SPEED

INSULATION: CLASS B

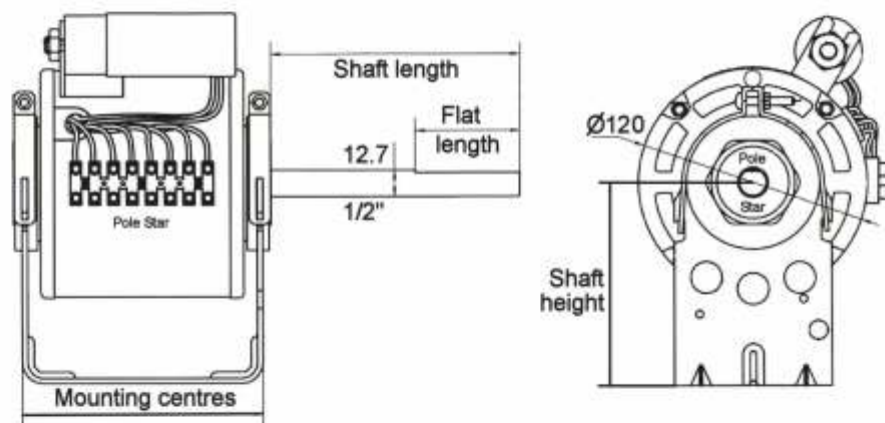
ENCLOSURE: TOTALLY ENCLOSED & VENTILATED

RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS

SHAFTS: SINGLE SHAFT



Single phase

Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
120FM50S-1	50W	1250	ACW	Vent	40	40	76	132	1300	£ 102.12
48FS90-3	90W	1250	ACW	T.E.	95	51	76.2	124	350	£ 76.56
48FS90-4#	90W	1250	ACW	T.E.	75	50	67	NBS	(M12 Conduit)	£ 84.65 NEW
120FB100/6V-M*	100W	1250	ACW	T.E.	215	76	76	123	1100	£ 115.85
48FS120-1	120W	1250	ACW	T.E.	75	50	67	161	780	£ 76.56
120FM150D	150W	1250	CW	T.E.	64	-	NBS	133	1100	£ 112.84
48FS180-1	180W	1250	Rev	T.E.	64	53	67	161	900	£ 123.81
48SM180S-1	180W	850	Rev	T.E.	77.5	54	NBS	181	600	£ 118.69
48SM180S-2	180W	850	ACW	T.E.	77.5	54	NBS	181	600	£ 118.69 NEW

* Six speed motor

Is body clamp mounting

NBS - No Base Supplied

Three phase

Part Number	Motor Power	Motor RPM	Rotation S.E.	Body Type	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
48FS120-3	120W	1250	Rev	T.E.	64	50	67	161	915	£ 76.56
48FS120-6	120W	1250	Rev	T.E.	64	50	67	161	915	£ 76.56 NEW
48FS180-3	180W	1250	Rev	T.E.	64	53	67	161	900	£ 123.81
48SM250R-3P	250W	850	Rev	T.E.	77	50	NBS	190	600	£ 164.65

FAN MOTORS

RESILIENT MOUNT - 105 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 115V, 220/240V, 50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE & MULTI SPEED

INSULATION: CLASS B

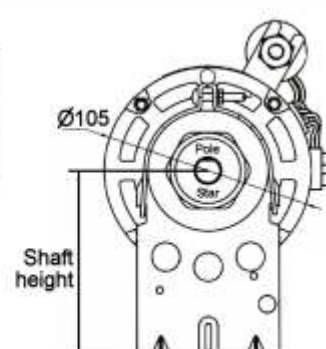
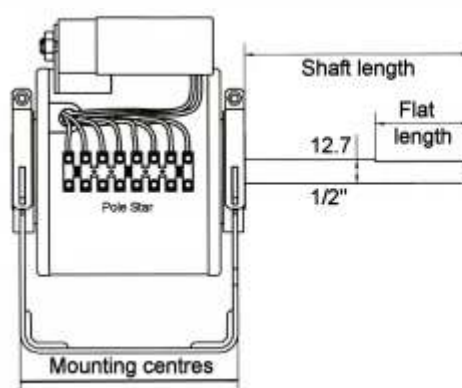
ENCLOSURE: TOTALLY ENCLOSED

RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS & TERMINAL STRIP

SHAFTS: SINGLE SHAFT



Part Number	Motor Power	Voltage Supply	No. of Speeds	Rotation S.E.	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
105FM13S/3V	13W	230V	3	ACW	162	142	95	123	T-Block	£ 79.35
105FM13S/3V-2	13W	230V	3	ACW	200	200	76	111	1100	£ 79.35 NEW
105FM15D/6V-1*	15W	115V	6	CW	147	95	NBS	123	900mm	£ 82.77
105FD20/6V	20W	230V	6	CW	188	80	89	123	T-Block	£ 88.75
105FD20/6V-1*	20W	230V	6	CW	188	80	89	123	T-Block	£ 83.50
105FD35/6V-3	35W	230V	6	CW	150	150	89	111	T-Block	£ 90.48
105FM35S-3VM*	35W	230V	3	ACW	200	180	95	123	T-Block	£ 91.21 NEW
105FS35/6V-2	35W	230V	6	ACW	200	200	76	111	T-Block	£ 91.21
105FS35/6V-3	35W	230V	6	ACW	140	100	89	111	T-Block	£ 90.52
105FM40D/7V*	40W	230V	7	CW	235	80	NBS	123	T-Block	£ 86.04
105FM45DM*	45W	230V	1	CW	200	200	95	111	1100	£ 93.33 NEW
105FM45SM*	45W	230V	1	ACW	200	200	95	111	1100	£ 93.33 NEW
105FM55S/6V	55W	230V	6	ACW	210	200	95	123	1100	£ 94.98
105FM60S-1	60W	230V	1	ACW	60	60	76	123	650	£ 91.46

Items marked * are of limited stocks

NBS - No Base Supplied

FAN MOTORS

RESILIENT MOUNT - 84 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 220/240V,
50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: MULTI SPEED

INSULATION: CLASS F

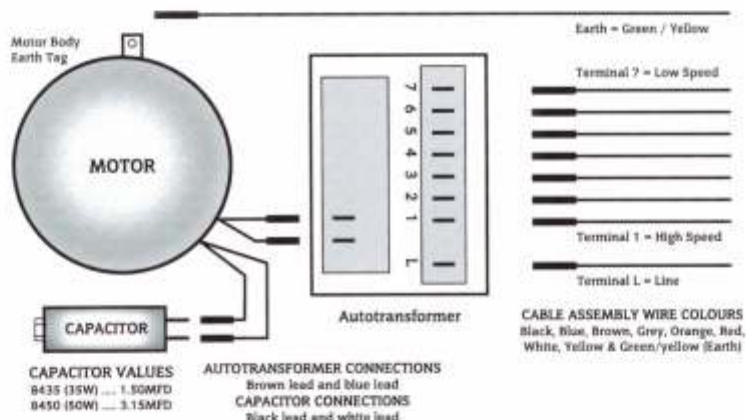
ENCLOSURE: TOTALLY ENCLOSED

RATING: CONTINUOUS DUTY AIR OVER MOTOR

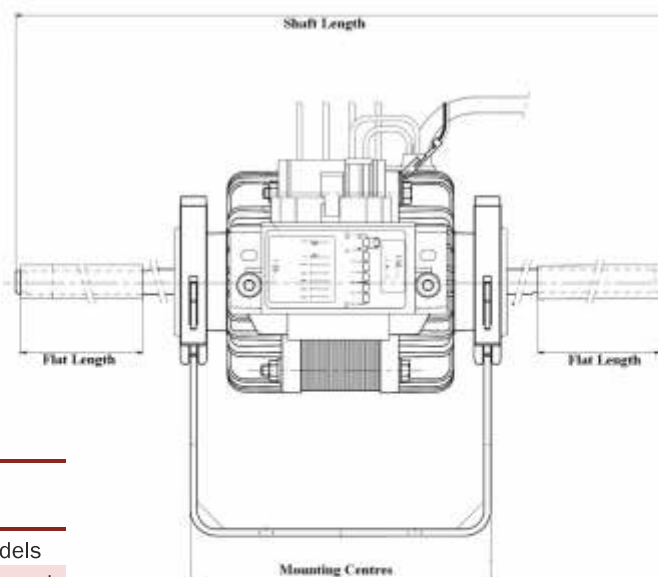
BEARINGS: SEALED FOR LIFE BALL BEARING

CONNECTIONS: FLYING LEADS & AUTO-TRANSFORMER

SHAFTS: DOUBLE SHAFT



Part Number	Motor Power	No. of Speeds	Body Type	Shaft diameter mm	Shaft diameter inches	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
8435.B1	35W	7	T.E.	12.7	1/2"	550	90	89	97	Transformer	£ 89.71
8435.B2	35W	7	T.E.	9.52	3/8"	550	90	89	97	Transformer	£ 89.71
84FB35/6V	35W	6	T.E.	12.7	1/2"	510	100	96	111	1200	£ 88.80
84FB35/6V-1	35W	6	T.E.	9.52	3/8"	510	100	96	111	1200	£ 88.80
8450.B1	50W	7	T.E.	12.7	1/2"	550	90	89	111	Transformer	£ 93.20
8450.B2	50W	7	T.E.	9.52	3/8"	550	90	89	111	Transformer	£ 93.20
8450.B3	50W	7	T.E.	12.7	1/2"	550	90	89	123	Transformer	£ 93.20
8450.B4	50W	7	T.E.	9.52	3/8"	550	90	89	123	Transformer	£ 93.20
84FB50/6V-2	50W	6	T.E.	12.7	1/2"	580	100	96	118	Transformer	£ 93.20
84FB50/6V-3	50W	6	T.E.	9.52	3/8"	580	100	96	118	Transformer	£ 93.20



Cable Assembly

Pat Number	Cable Length (mm)	Price £	Fits
K31CA	1000	£ 12.76	8435 & 8450 models
K31CA-2	1000	£ 12.76	84FB models - 4 speed

FAN MOTORS

RESILIENT MOUNT - 105 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 220/240V,
50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE & MULTI SPEED

INSULATION: CLASS B

ENCLOSURE: TOTALLY ENCLOSED

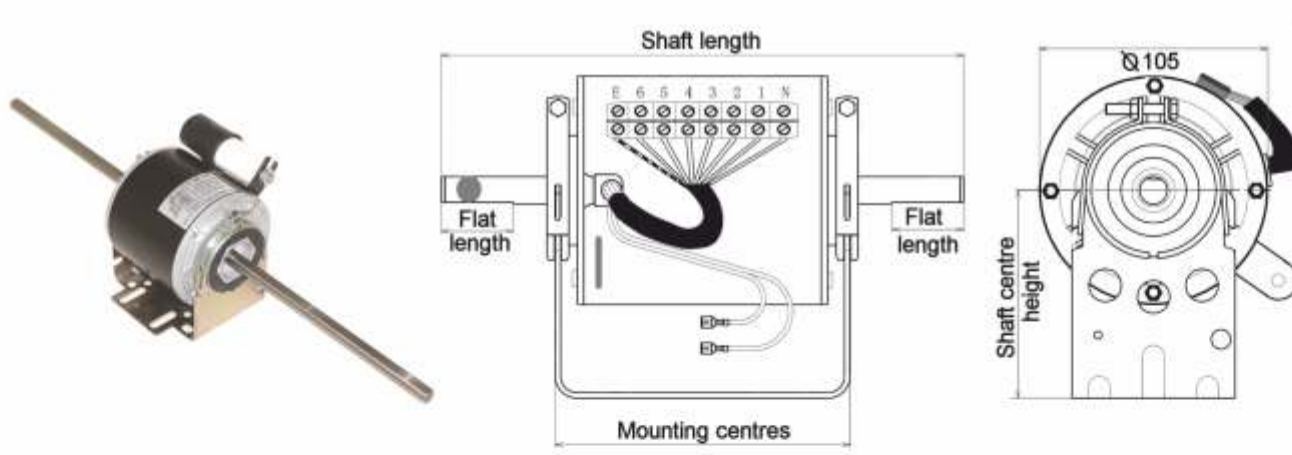
RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -30°C TO +40°C

CONNECTIONS: FLYING LEADS & TERMINAL STRIP

SHAFTS: DOUBLE SHAFT



Part Number	Motor Power	No. of Speeds	Shaft Diameter mm	inches	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
105FB24/4V	24W	4	12.7	1/2"	520	180	89	123	T-Block	£ 89.69
105FB24/4V-1	24W	4	12.7	1/2"	520	180	76	111	1100	£ 89.69
105FB30/6V-1*	30W	6	12.7	1/2"	490	80	NBS	111	T-Block	£ 79.87
105FB35/6V	35W	6	12.7	1/2"	530	180	95	123	T-Block	£ 86.87
105FB35/6V-3*	35W	6	12.7	1/2"	430	100	89	111	T-Block	£ 88.49
105FB35/6V-5	35W	6	12.7	1/2"	530	180	95	123	T-Block	£ 86.87 NEW
105FB35/6V-7	35W	6	12.7	1/2"	530	200	76	111	1100	£ 86.87 NEW
105FB35/6V-8	35W	6	12.7	1/2"	430	100	89	111	T-Block	£ 88.49 NEW
105FB40	40W	1	12.7	1/2"	580	200	NBS	123	1100	£ 86.07
105FB40/3VM*	40W	3	12.7	1/2"	530	180	76	123	1400	£ 94.98 NEW
105FB40/5VM*	40W	5	12.7	1/2"	530	200	95	111	T-Block	£ 93.94 NEW
105FB55/6V-1	55W	6	9.52	3/8"	530	200	95	111	1100	£ 90.46
105FB55/6V-2	55W	6	12.7	1/2"	580	200	NBS	118	1100	£ 90.46
105FB55/6V-4	55W	6	12.7	1/2"	530	180	NBS	123	1400	£ 90.46
105FB55/6V-5	55W	6	12.7	1/2"	530	200	95	111	1100	£ 89.05 NEW
105FB55/6V-8	55W	6	12.7	1/2"	530	200	76	111	1100	£ 89.17
105FB55/6V-T	55W	6	12.7	1/2"	530	200	95	111	T-Block	£ 90.46
105FB75/6V	75W	6	12.7	1/2"	580	100	NBS	133	1200	£ 91.90
105FB75/6V-1	75W	6	11.1	7/16"	580	160	NBS	133	1200	£ 93.30
105FB75/6V-3	75W	6	12.7	1/2"	600	100	89	133	T-Block	£ 93.64
105FB75/6V-4	75W	6	12.7	1/2"	580	200	NBS	123	1100	£ 93.73
105FB75-1	75W	1	11.1	7/16"	605	160	76	123	650	£ 86.20
105FB75-2	75W	1	12.7	1/2"	605	160	76	123	650	£ 86.67
105FB90	90W	1	12.7	1/2"	565	160	NBS	123	1100	£ 96.71
105FB100/3V-1	100W	3	12.7	1/2"	550	180	76	123	600	£ 99.82

Items marked * are whilst stocks last

NBS - No Base Supplied

FAN MOTORS

RESILIENT MOUNT - 120 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 220/240V,
50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: SINGLE & MULTI SPEED

INSULATION: CLASS B

ENCLOSURE: TOTALLY ENCLOSED & VENTILATED

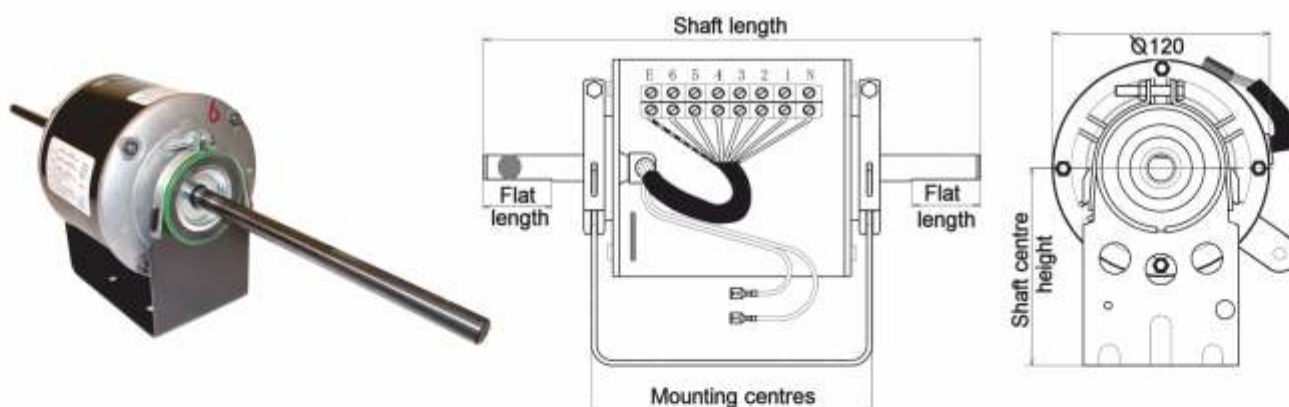
RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -30°C TO +40°C

CONNECTIONS: FLYING LEADS & TERMINAL STRIP

SHAFTS: DOUBLE SHAFT



Part Number	Motor Power	No. of Speeds	Body Type	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
48FB37-1	37W	1	T.E.	11.1	7/16"	380	100	NBS	143	615	£ 81.69
48FB37-2	37W	1	T.E.	12.7	1/2"	380	100	NBS	143	615	£ 81.69
48FB50-1	50W	1	T.E.	11.1	7/16"	380	100	NBS	143	600	£ 84.82
48FB50-2	50W	1	T.E.	12.7	1/2"	380	100	NBS	143	615	£ 84.82
48FB50L	50W	1	T.E.	12.7	1/2"	580	100	NBS	143	615	£ 87.01
48FB60/3V	60W	3	T.E.	12.7	1/2"	515	80	95	123	470	£ 96.15
48FB75-1	75W	1	T.E.	11.1	7/16"	530	150	76	123	610	£ 91.95
48FB75-2	75W	1	T.E.	12.7	1/2"	530	180	76	123	600	£ 91.95
120FB80/3V	80W	3	T.E.	12.7	1/2"	630	80	76	123	T-Block	£ 114.73
120FB100	100W	1	T.E.	12.7	1/2"	395	120	76	123	1000	£ 109.10
120FB100/6V	100W	6	T.E.	12.7	1/2"	565	80	95	123	1100	£ 120.32
120FB100/6V-M	100W	6	T.E.	12.7	1/2"	565	80	76	123	510	£ 115.85
120FB100/6V-2	100W	6	T.E.	12.7	1/2"	630	80	NBS	123	T-Block	£ 122.02
120FB100/6VT	100W	6	T.E.	12.7	1/2"	565	80	NBS	123	T-Block	£ 121.05
120FB125/3V	125W	3	Vent	12.7	1/2"	565	80	NBS	132	1100	£ 121.33
120FB135/6V	135W	6	T.E.	12.7	1/2"	580	200	95	123	1000	£ 121.74
120FB150	150W	1	T.E.	12.7	1/2"	605	225	76	133	1000	£ 112.84
120FB180/3V	180W	3	Vent	12.7	1/2"	610	80	NBS	153	1250	£ 123.95
120FB180/6V	180W	6	Vent	12.7	1/2"	565	80	NBS	132	1000	£ 124.25
120FB180/6V-T	180W	6	Vent	12.7	1/2"	565	80	NBS	132	T-Block	£ 124.25
120FB210/3V	210W	3	Vent	12.7	1/2"	565	80	NBS	132	1000	£ 125.64
120FB250-4V	250W	4	Vent	12.7	1/2"	610	80	NBS	153	1250	£ 138.42
120FB310/5V-110V#	310W	5	Vent	12.7	1/2"	550	55	NBS	123	T-Block	£ 135.55
120FB370/5V	370W	5	Vent	12.7	1/2"	610	80	89	153	1250	£ 138.42

Items marked * have limited stocks

Items marked # are 110V

NBS - No Base Supplied

FAN MOTORS

RESILIENT MOUNT - 120 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 220/240V,
50/60HZ

POLES: 6 POLE (850RPM)

SPEEDS: MULTI SPEED

INSULATION: CLASS B

ENCLOSURE: TOTALLY ENCLOSED

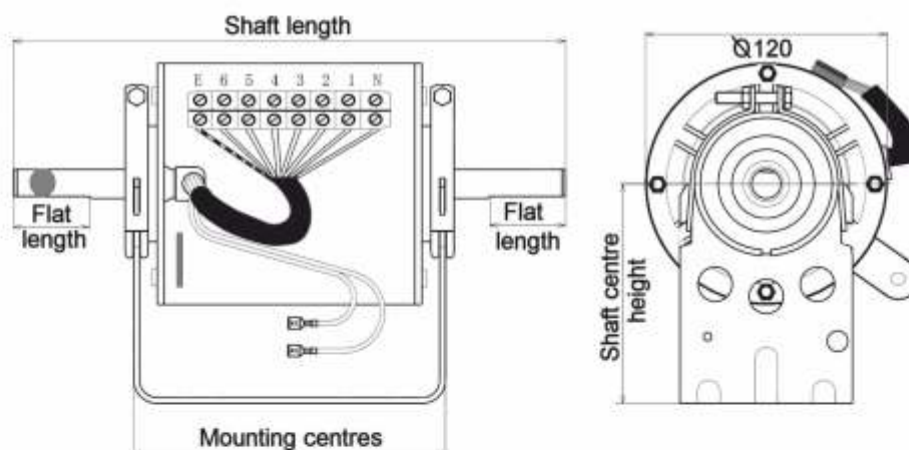
RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -30°C TO +40°C

CONNECTIONS: FLYING LEADS

SHAFTS: DOUBLE SHAFT



Part Number	Motor Power	No. of Speeds	Body Type	Shaft mm	Diameter inches	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
120SB50/3V	50W	3	T.E.	12.7	1/2"	580	200	76	111	1100	£ 111.68
120SB85/2V	85W	2	T.E.	12.7	1/2"	580	200	89	123	1100	£ 119.22
120SB100/3V	100W	3	T.E.	12.7	1/2"	580	200	NBS	123	1100	£ 120.71

NBS - No Base Supplied

FAN MOTORS

RESILIENT MOUNT - 145 RANGE

TYPE: PSC MOTORS

SUPPLY: SINGLE PHASE 220/240V,
50/60HZ

POLES: 4 POLE (1250RPM)

SPEEDS: MULTI SPEED

INSULATION: CLASS B

ENCLOSURE: VENTILATED

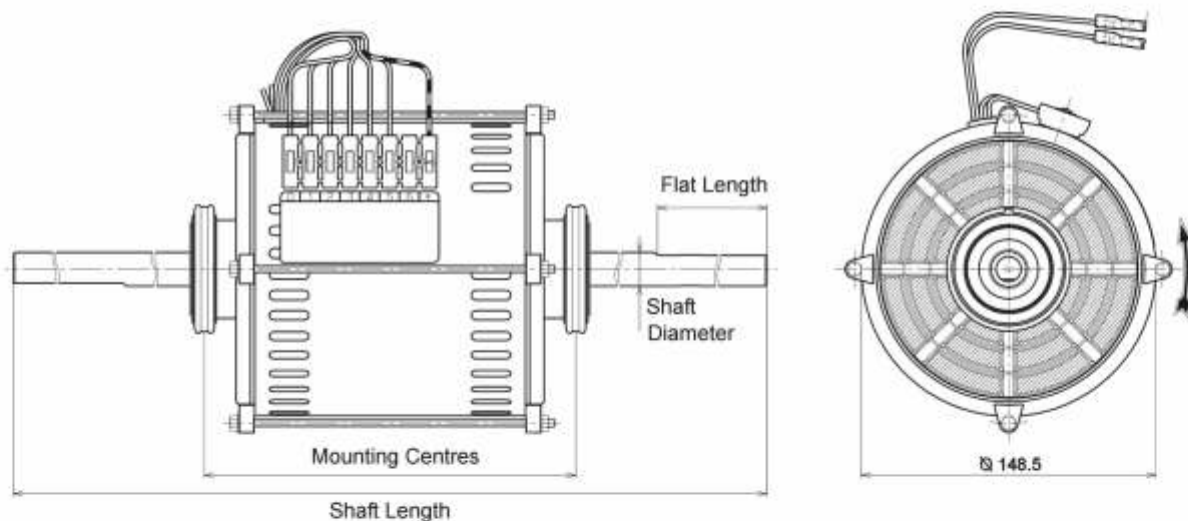
RATING: CONTINUOUS DUTY AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -30°C TO +40°C

CONNECTIONS: FLYING LEADS

SHAFTS: DOUBLE SHAFT



Part Number	Motor Power	Number of Speeds	Body Type	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Flat Length	Shaft Height	Mounting Centres	Lead Length	Price £
145FB370/2V*	370W	2	Vent	12.7	1/2"	700	80	NBS	TBC	1150	TBC
145FB420/3V	420W	3	Vent	12.7	1/2"	530	50	NBS	165.5	1200	£ 157.68
145FB550/3V	550W	3	Vent	15	-	700	100	95	183	1150	£ 178.67
145FB550/3V-1*	550W	3	Vent	12.7	1/2"	700	80	NBS	183	1150	TBC
145FB550/3V-2	550W	3	Vent	12.7	1/2"	700	80	NBS	183	1150	£ 178.67 NEW
145FB600/3V	600W	3	Vent	12.7	1/2"	560	100	NBS	197.5	1200	£ 181.04
145FB750/3V*	750W	3	Vent	12.7	1/2"	700	80	NBS	TBC	1150	TBC
145FB1250/5V*	1250W	5	Vent	17	-	660	110	NBS	187	1150	TBC

Items marked * have manufacture lead time

NBS - No Base Supplied



Brushless DC electric motor (BLDC motors) also known as Electronically Commutated Motors (ECM or EC motors) are synchronous motors that are powered by a DC electric source via an integrated AC power adaptor. Additional sensors and electronics control the speed of the motor.

BLDC VS. BRUSHED MOTOR

Brushed DC motors develop a maximum torque when stationary, decreasing as velocity increases. Some limitations of brushed motors can be overcome by BLDC motors; they include higher efficiency and a lower susceptibility of the commutator assembly to mechanical wear. These benefits come at the cost of potentially less rugged, more complex, and more expensive control electronics.

An electronic controller replaces the brush assembly of the brushed DC motor, which continually switches the phase to the windings to keep the motor turning. The controller performs similar timed power distribution by using a solid-state circuit rather than the brush/commutator system.

Brushless motors offer several advantages over brushed DC motors, including more torque per watt (increased efficiency), increased reliability, reduced noise, longer lifetime (no brush and commutator erosion), elimination of ionizing sparks from the commutator, and overall reduction of electromagnetic interference (EMI). With no windings on the rotor, they are not subjected to centrifugal forces, and because the windings are supported by the housing, they can be cooled by conduction, requiring no airflow inside the motor for cooling. This in turn means that the motor's internals can be entirely enclosed and protected from dirt or other foreign matter.

Brushless motors are more efficient at converting electricity into mechanical power than brushed motors. This improvement is largely due to the brushless motor's velocity being determined by the frequency at which the electricity is switched, not the voltage. Additional gains are due to the absence of brushes, alleviating loss due to friction.

Environments and requirements in which manufacturers use brushless-type DC motors include: maintenance-free operation, high speeds, and operation where sparking is hazardous (i.e. explosive environments) or could affect electronically sensitive equipment.

FAN MOTORS

RESILIENT MOUNT EC

TYPE: EC MOTORS (BRUSHLESS DC)

SUPPLY: SINGLE PHASE 220/240V,
50/60HZ

POLES: VARIABLE POLES

SPEEDS: VARIABLE SPEED

INSULATION: CLASS B, IP44

ENCLOSURE: TOTALLY ENCLOSED

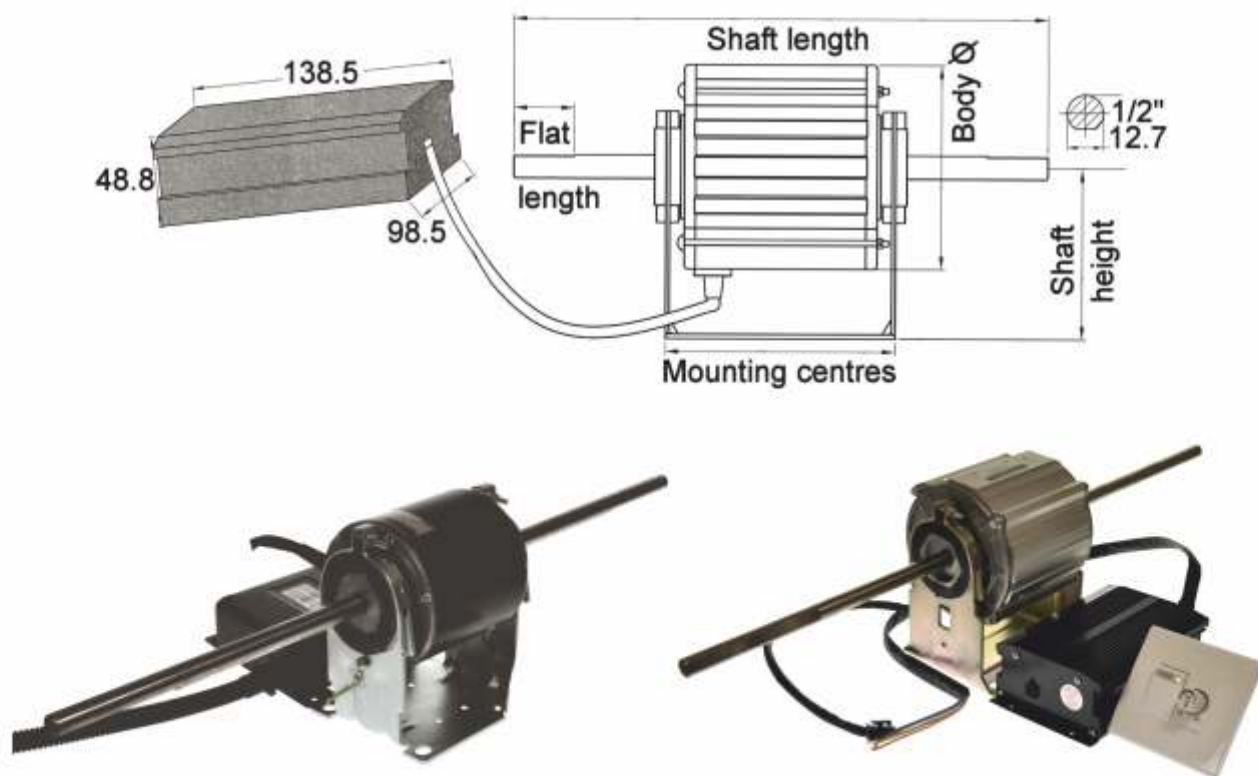
RATING: MECHANICAL DUTY

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -10°C TO +40°C

CONNECTIONS: FLYING LEADS

SHAFTS: DOUBLE SHAFT



Part Number	Motor Power	Body Type	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
BLDC120-3SP	120W	T.E.	12.7	1/2"	562	120	105	123	700	£ 162.90
BLDC150-3SP	150W	T.E.	12.7	1/2"	562	120	105	123	700	£ 180.25
BLDC180-3SP	180W	T.E.	12.7	1/2"	562	120	105	123	700	£ 197.61

Come complete with 3 position speed controller

Part Number	Motor Power	Body Type	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
BLDC-60-1	60W	T.E.	12.7	1/2"	510	120	104	118	1500	£ 113.07
BLDC-120-1	120W	T.E.	12.7	1/2"	510	120	104	118	1500	£ 142.32

Comes without speed controller

Part Number	Motor Power	Body Type	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Flat Length	Shaft Height	Mount Centres	Lead Length	Price £
92BLDC-65	65W	T.E.	12.7	1/2"	520	70	100	103	700	£ 104.70

Needs a 0-10V DC Supply

Part Number	Description	Price £
PSRC-EC	Rotary controller	£ 8.38
THERMOSTAT-VSP-4PIPE	Digital thermostatic controller	£ 46.20



Our 60 range motors (commonly known as B56 frame motors) are produced in 2 pole, 4 pole, 6 pole and 8 pole (from 2800 down to 720RPM). They can be made to run on single, three or split phase supplies with a power output from 90 up to 990 watts.

The three phase versions produce a good starting torque whilst the 3 phase rotating field allows for the motors shaft rotation to be easily reversed resulting in great flexibility for applications.

In contrast though the single phase supply motors generally are not reversible and a set rotation is generated within the motor.

Split phase supply motors are relatively inexpensive to make and produce a lower starting torque so their application is generally found in domestic applications. Also due to the start winding being redundant, during running, the efficiency of this unit is lower than the single and three phase versions.

The units are also further differentiated by being either capacitor start induction run, capacitor start capacitor run or permanent split capacitor (PSC). The difference between these methods are that a capacitor start induction run motor are similar to split phase motor efficiencies but they can be manufactured to larger output levels. The capacitor start capacitor run motors contain two capacitors, the first is a large value electrolytic capacitor and the second a smaller value Motor Run capacitor. This version benefits from having a high starting torque due to the start capacitor and the motor is also suitable for high level power outputs due to the lower starting currents. The motor efficiency is also increased but so is the cost due to two capacitors. Finally PSC motors are the most simple and robust method which have lower starting torques but are generally cheaper to produce.

FAN MOTORS

60 RANGE (B56 FRAME)

TYPE: PSC, SPLIT PHASE MOTORS

SUPPLY: SINGLE & THREE PHASE 115V, 220/240V, 380/420V, 50/60HZ

POLES: 4 POLE (1250RPM), 6 POLE (900RPM), 8 POLE (720RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

ENCLOSURE: TOTALLY ENCLOSED OR DRIP PROOF

RATING: MECHANICAL DUTY

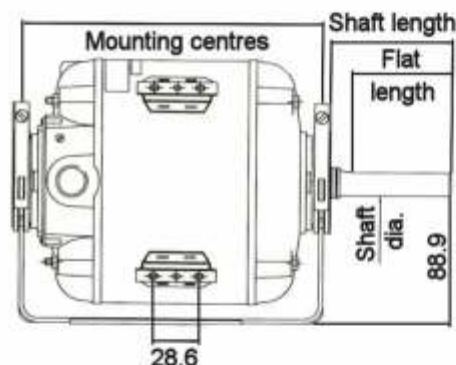
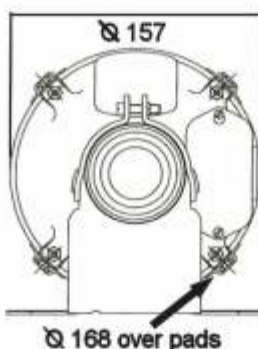
BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -40°C TO +60°C

CONNECTIONS: CABLE ENTRY

SHAFTS: SINGLE

ROTATION: REVERSIBLE



4 Pole (1425RPM)

Part Number	Phase Supply	Motor Power	Body Type	Motor Type	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Flat Length	Mount Centres	Additional Information	Price £
60FM125R-1	1	125W	D.P.	S.P.	12.7	1/2"	95	80	176	Drip proof	£ 130.82
60FM185R-2	1	185W	D.P.	S.P.	12.7	1/2"	95	80	176	Drip proof	£ 142.15
60FM185R-3	1	185W	Vent	S.P.	12.7	1/2"	95	80	176	Vented	£ 142.15 NEW
60FM250-3PH	3	250W	T.E.	-	15.87	5/8"	70	63	176	4 Radial Pads	£ 153.48
60FM250-3PH-1*	3	250W	D.P.	-	15.87	5/8"	95	76 keyway	176	Drip proof	TBC
60FM250R-4	1	250W	T.E.	S.P.	15.87	5/8"	76	63	189	4 Radial Pads	£ 153.48
60FM250R-2*	1	250W	D.P.	S.P.	12.7	1/2"	94	80	176	Drip proof	£ 153.48
60FM250R-DV*	1	250W	T.E.	S.P.	12.7	1/2"	94	80	176	Dual Voltage	TBC
60FM370R-4	1	370W	D.P.	C.S.I.R.	15.87	5/8"	47	40 keyway	232	Reversible	£ 220.04 NEW
60FM370-3PH-2*	3	370W	D.P.	-	15.87	5/8"	96.5	76 keyway	189	Drip proof	TBC
60FM550-3PH-1*	3	550W	D.P.	-	15.87	5/8"	96.5	76 keyway	214	Drip proof	TBC
60FM550R-1*	1	550W	T.E.	S.P.	15.87	5/8"	51	43	227	4 Radial Pads	TBC
60FM550R-2*	1	550W	D.P.	C.S.I.R.	15.87	5/8"	94	80	226	Drip proof	£ 220.30
60FM550R-4	1	550W	D.P.	C.S.I.R.	15.87	5/8"	47	40 keyway	241	Reversible	£ 235.50 NEW
60FM550R-3PH	3	550W	T.E.	-	15.87	5/8"	51	32	214	4 Radial Pads	£ 220.30
60FM750-3PH-1*	3	750W	D.P.	-	15.87	5/8"	95	76 keyway	223	Drip proof	£ 261.07

Notes 60FM250R-DV is 240/115V

6 Pole (900RPM)

Part Number	Phase Supply	Motor Power	Body Type	Motor Type	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Flat Length	Mount Centres	Additional Information	Price £
60SM250R-1*	1	250W	D.P.	S.P.	15.87	5/8"	101.5	87.5	214.3	Drip Proof	TBC
60SM250R-2	1	250W	D.P.	S.P.	15.87	5/8"	50	Keyway	214.3	Drip Proof	£ 153.48
60SM120-3PH*	3	120W	T.E.	-	15.87	5/8"	100	63.5	176	Airstream Rated	TBC
60SM250-3PH*	3	250W	T.E.	-	15.87	5/8"	100	63.5	189	Airstream Rated	TBC
60SM550-3PH*	3	550W	T.E.	-	15.87	5/8"	94	80	214	Low temp rating	TBC

8 Pole (720RPM)

Part Number	Phase Supply	Motor Power	Body Type	Motor Type	Shaft Diameter mm	Shaft Diameter inches	Shaft Length	Flat Length	Mount Centres	Additional Information	Price £
60EM90R*	1	90W	T.E.	P.S.C.	15.87	5/8"	100	63.5	176	Airstream Rated	TBC
60EM120-3PH*	3	120W	T.E.	-	15.87	5/8"	100	63.5	176	Airstream Rated	TBC

Note items marked* may not be available from stock

Abbreviations:

S.P. = Split Phase T.E. = Totally Enclosed C.S.I.R. = Capacitor Start Induction Run C.S.C.R. = Capacitor Start Capacitor Run D.P. = Drip Proof

FAN MOTORS

60 RANGE (B56 FRAME)

TYPE: PSC, SPLIT PHASE MOTORS

SUPPLY: SINGLE & THREE PHASE 115V, 220/240V, 380/420V, 50/60HZ

POLES: 4 POLE (1250RPM), 2 POLE (1425RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS B

ENCLOSURE: TOTALLY ENCLOSED OR DRIP PROOF

RATING: MECHANICAL DUTY

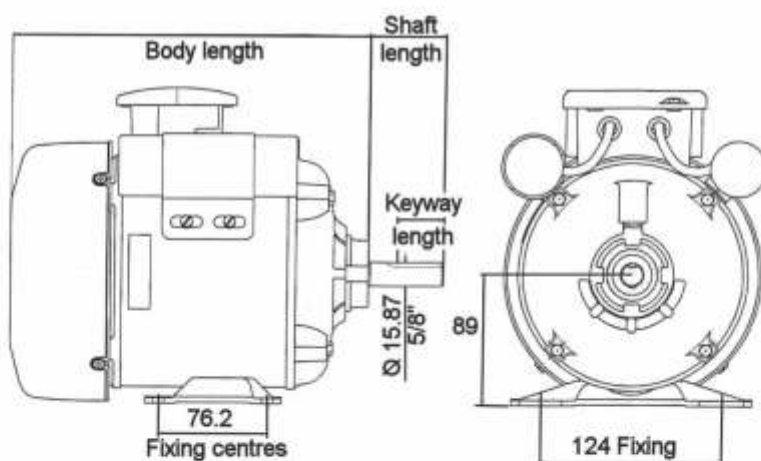
BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -40°C TO +60°C

CONNECTIONS: CABLE ENTRY OR TERMINAL BOX

SHAFTS: SINGLE

ROTATION: REVERSIBLE



2 Pole (2800RPM)

Part Number	Phase Supply	Motor Power	Body Type	Motor Type	Body Length	Shaft Length	Flat Length	Lead Length	Additional Information	Price £
60TM370R-1*	1	370W	T.E.	S.P.	222	103	89	Term. Box	Fan cooled	TBC
60TM370-3PH*	3	370W	T.E.	-	222	103	89	Term. Box	Fan cooled	TBC
60TM750-3PH*	3	750W	T.E.	-	260	103	89	Term. Box	Fan cooled	TBC
60TM750R-1*	1	750W	T.E.	C.S.I.R.	260	103	89	Term. Box	Fan cooled	TBC

4 Pole (1425RPM)

Part Number	Phase Supply	Motor Power	Body Type	Motor Type	Body Length	Shaft Length	Flat Length	Lead Length	Additional Information	Price £
60FM180R-1*	1	180W	D.P.	S.P.	188	52.4	38 keyway	Cable entry	Drip proof	TBC
60FM180R-2*	1	180W	T.E.	S.P.	210	103	89	Term. Box	Fan cooled	TBC
60FM250R-3*	1	250W	D.P.	S.P.	187	52.4	38 keyway	Cable entry	Drip proof	TBC
60FM370-3PH-1*	3	370W	T.E.	-	222	103	89	Term. Box	Fan cooled	TBC
60FM370R	1	370W	T.E.	-	257	48	30.5 keyway	Term. Box	Fan cooled	£ 307.88
60FM370R-2	1	370W	D.P.	S.P.	200.8	52.4	38 keyway	Cable entry	Drip proof	£ 182.08
60FM370R-3*	1	370W	T.E.	S.P.	235	103	89	Term. Box	Fan cooled	TBC
60FM750-3PH*	3	750W	T.E.	-	260	103	89	Term. Box	Fan cooled	TBC
60FM750-3PH-1	3	750W	T.E.	-	175	60	38 keyway	250mm	Totally enclosed	£ 261.07
60FM750R-2*	1	750W	D.P.	C.S.C.R.	225	103	89	Cable entry	Drip proof	TBC
60FM750R-3	1	750W	T.E.	C.S.C.R.	248	52.4	32 keyway	Term. Box	Fan cooled	£ 235.55

Notes - 60FM370R is 115V

Notes items marked * may not be available from stock

60 RANGE (B56 FRAME)

TYPE: PSC, SPLIT PHASE MOTORS

SUPPLY: SINGLE PHASE 220/240V, 50HZ

POLES: 6 POLES (920RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS F. IP22

ENCLOSURE: VENTILATED

RATING: MECHANICAL DUTY

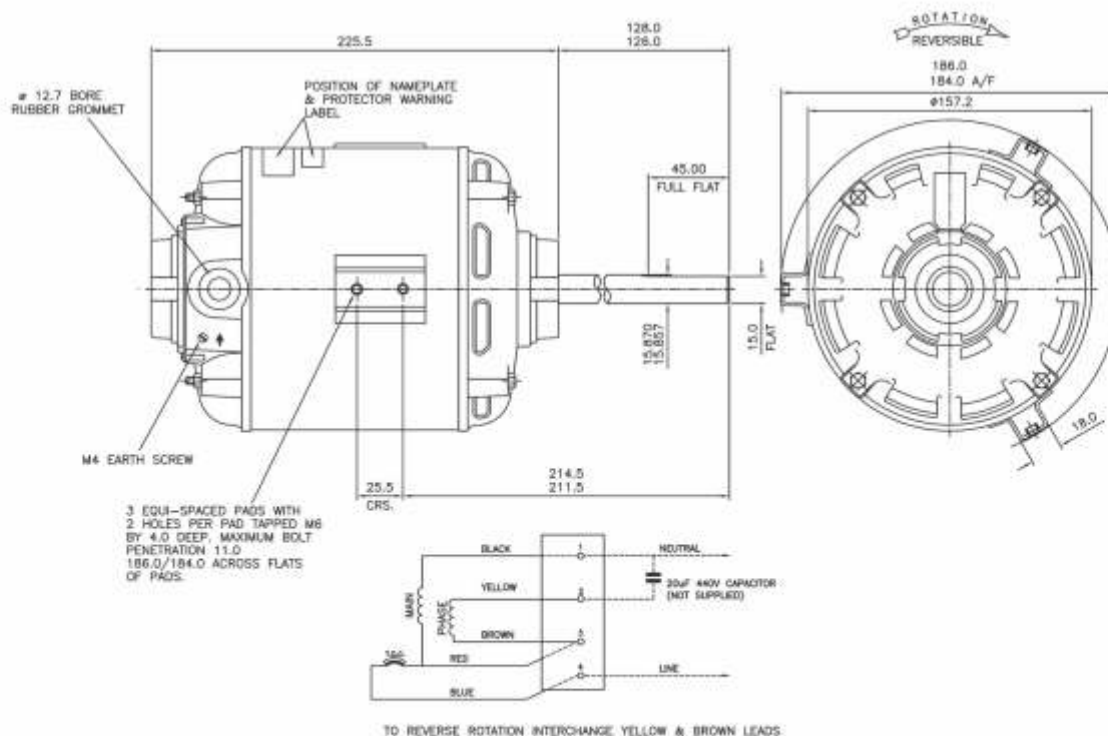
BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -40°C TO +60°C

CONNECTIONS: CABLE ENTRY

SHAFTS: SINGLE

ROTATION: REVERSIBLE



Part Number	Phase Supply	Motor Power	Body Type	Motor Type	Body Length	Shaft Length	Flat Length	Lead Length	Radial Mount	Price £
60SM990R	1	990W	Ventilated	Cap. Start	225.5	128	45	Cable entry	3 pads 186 PCD	£ 196.09

FAN MOTORS

INDUSTRIAL ELECTRIC MOTORS (METRIC FRAME)

Our industrial electric motors commonly called metric frame motors come in a vast array of frame sizes from 71 frame upwards to 200 frame. These are a newly stocked item of ours and we plan to add to the current stocked range throughout the year. Currently we stock 71 to 112 frame whilst other frame sizes are normally available on a 3-5 day delivery.

The motors come in both single and three phase supply, fixing either by foot or flange mount and range from 0.06KW up to 630KW. Below you can see the key dimensions needed for both B3 and B5 mounting arrangements.

THESE LARGER MOTORS HAVE A WIDE RANGE OF APPLICATIONS, SUCH AS:

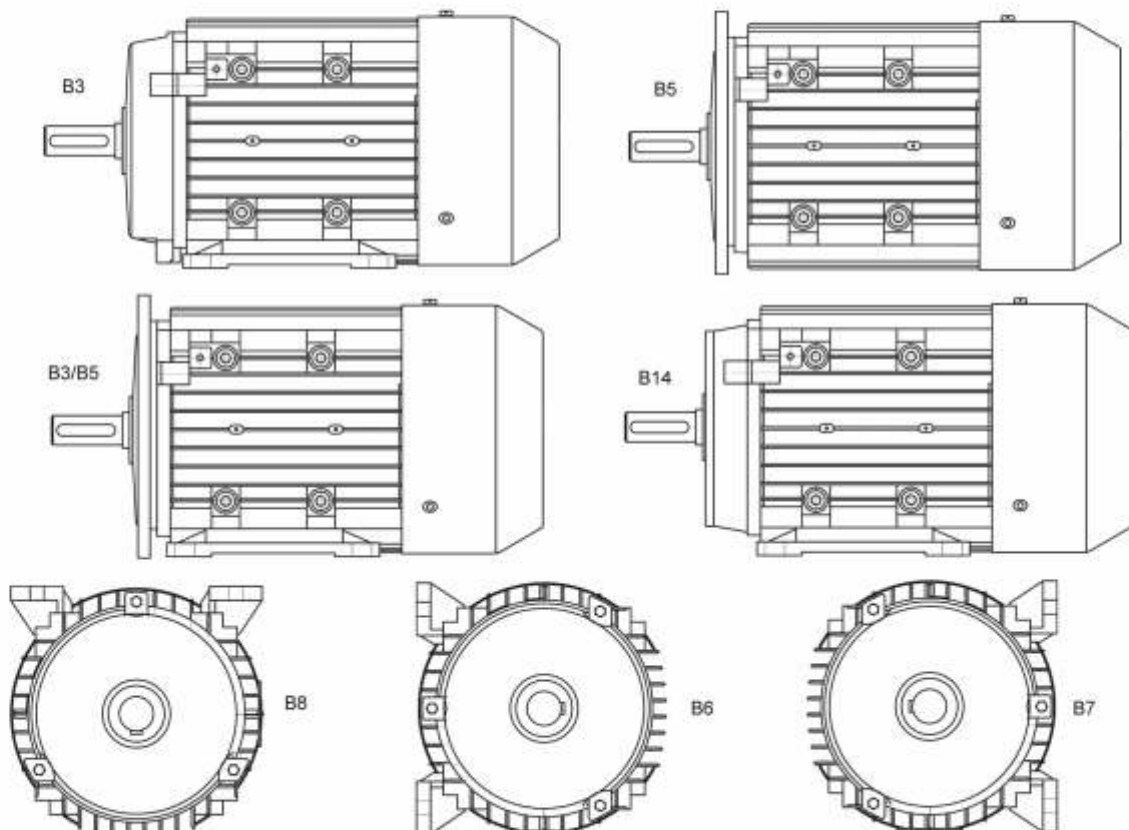
- Hazardous Area – ATEX certified
- Force Vent Motors
- Fume Extraction Motors
- Cap. start / Cap. run
- Drip Proof Motors
- High Voltage Motors
- Permanent Cap' Motors



SHOULD YOU HAVE A REQUIREMENT FOR ANY OF THESE LARGER FRAME SIZE MOTORS THEN PLEASE EMAIL OR CALL WITH THE FOLLOWING INFORMATION IN ORDER FOR US TO CROSS MATCH:

- Full nameplate details
- Mounting configurations and dimensions
- Shaft dimensions

BELOW ARE SOME EXAMPLES OF SOME OF THE DIFFERENT MOUNTING AND POSITIONAL ARRANGEMENTS.



FAN MOTORS

INDUSTRIAL ELECTRIC - 63 FRAME

TYPE: PSC MOTORS

SUPPLY: SINGLE & THREE PHASE
220/240V, 380V, 50/60HZ

POLES: 4 POLE (1400RPM)

SPEEDS: SINGLE SPEED

INSULATION: CLASS F. IP54

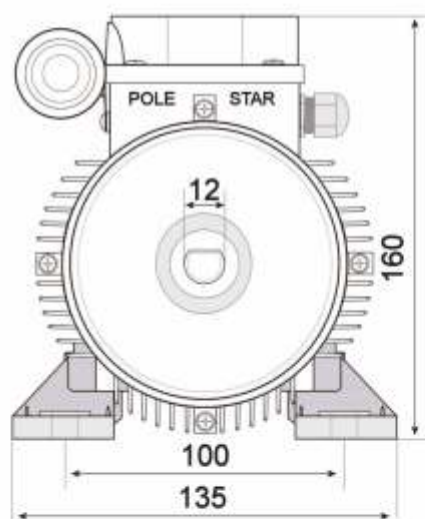
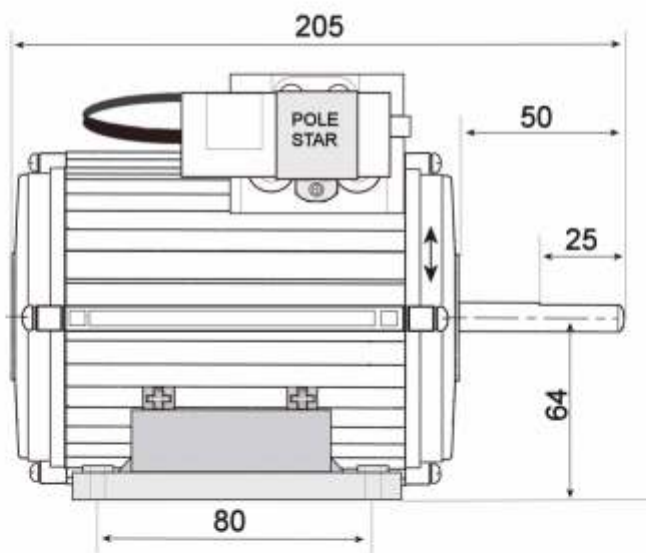
ENCLOSURE: TOTALLY ENCLOSED

RATING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

TEMPERATURE RATING: -10°C TO +60°C

APPLICATIONS: POPULAR REFRIGERATION COOLER



Part Number	Phase Supply	Motor Power	Rotation S.E.	Temperature Range	Price £
63FS200-2	1	200W	Rev	-30 °C to + 40 °C	£ 98.15
63FS200-3	3	200W	Rev	0 °C to + 60 °C	£ 98.15
63FS200-4	3	200W	Rev	-30 °C to + 40 °C	£ 98.15

FAN MOTORS

INDUSTRIAL ELECTRIC - 63 FRAME

TYPE: SQUIRREL CASE INDUCTION MOTORS

SUPPLY: SINGLE PHASE 220/240V, THREE PHASE

POLES: 2 POLE (3000RPM) 4 POLE (1500RPM) & 6 POLE (900RPM)

EFFICIENCY: IE1/2

INSULATION: CLASS F WITH CLASS B TEMPERATURE RAISE

ENCLOSURE: TOTALLY ENCLOSED FAN COOLED, IP55

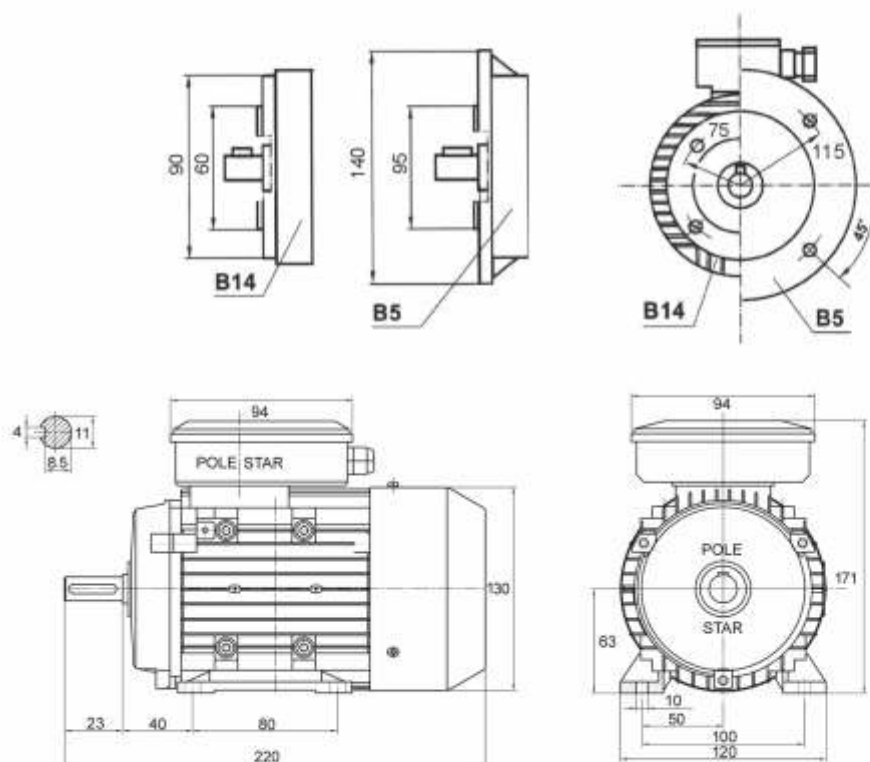
CASING: CONTINUOUSLY RATED AIR OVER MOTOR

BEARINGS: SEALED FOR LIFE BALL BEARING

FIXING: B3 FOOT AS STANDARD, MULTI-MOUNT DESIGN WITH REMOVABLE FEET



REWINDERS
RECEIVE
35%
DISCOUNT



THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			Lead Time
			B3	B5/B14	B35/B34	
63-SM0090T-B?	0.09kW	1000	£ 65.90	£ 68.92	£ 69.93	2-3 day
63-FM0120T-B?	0.12kW	1500	£ 60.93	£ 63.65	£ 64.56	2-3 day
63-SM0120T-B?	0.12kW	1000	£ 68.33	£ 71.50	£ 72.55	2-3 day
63-TM0180T-B?	0.18kW	3000	£ 60.42	£ 63.11	£ 64.01	2-3 day
63-FM0180T-B?	0.18kW	1500	£ 63.47	£ 66.35	£ 67.31	2-3 day
63-TM0250T-B?	0.25kW	3000	£ 63.35	£ 66.23	£ 67.18	2-3 day
63-FM0250T-B?	0.25kW	1500	£ 68.36	£ 71.53	£ 72.58	2-3 day
63-TM0370T-B?	0.37kW	3000	£ 74.08	£ 77.59	£ 78.76	2-3 day

SINGLE PHASE - CAP START/CAP RUN

Part Number	Motor Power	Motor RPM	Price/Mount			Lead Time
			B3	B5/B14	B35/B34	
63-TM0180S-B?	0.18kW	3000	£ 94.81	n/a	£ 100.36	2-3 day
63-FM0180S-B?	0.18kW	1500	£ 98.53	n/a	£ 104.34	2-3 day
63-TM0250S-B?	0.25kW	3000	£ 47.79	n/a	£ 113.02	next day

SINGLE PHASE - PERM CAP

Part Number	Motor Power	Motor RPM	Price/Mount			Lead Time
			B3	B5/B14	B35/B34	
63P-FM0120S-B?	0.12kW	1500	£ 95.41	n/a	£ 101.00	2-3 day
63P-SM0120S-B?	0.12kW	1000	£ 102.74	n/a	£ 108.85	2-3 day
63P-TM0180S-B?	0.18kW	3000	£ 94.42	n/a	£ 99.94	2-3 day
63P-FM0180S-B?	0.18kW	1500	£ 98.71	n/a	£ 104.53	2-3 day
63P-TM0250S-B?	0.25kW	3000	£ 96.75	n/a	£ 102.44	2-3 day

FAN MOTORS

INDUSTRIAL ELECTRIC - 71 FRAME

TYPE: SQUIRREL CASE INDUCTION MOTORS

SUPPLY: THREE PHASE 220-240V/380-420V, 50HZ

POLES: 2 POLE (3000RPM) 4 POLE (1500RPM) & 6 POLE (900RPM)

EFFICIENCY: IE1/2/3

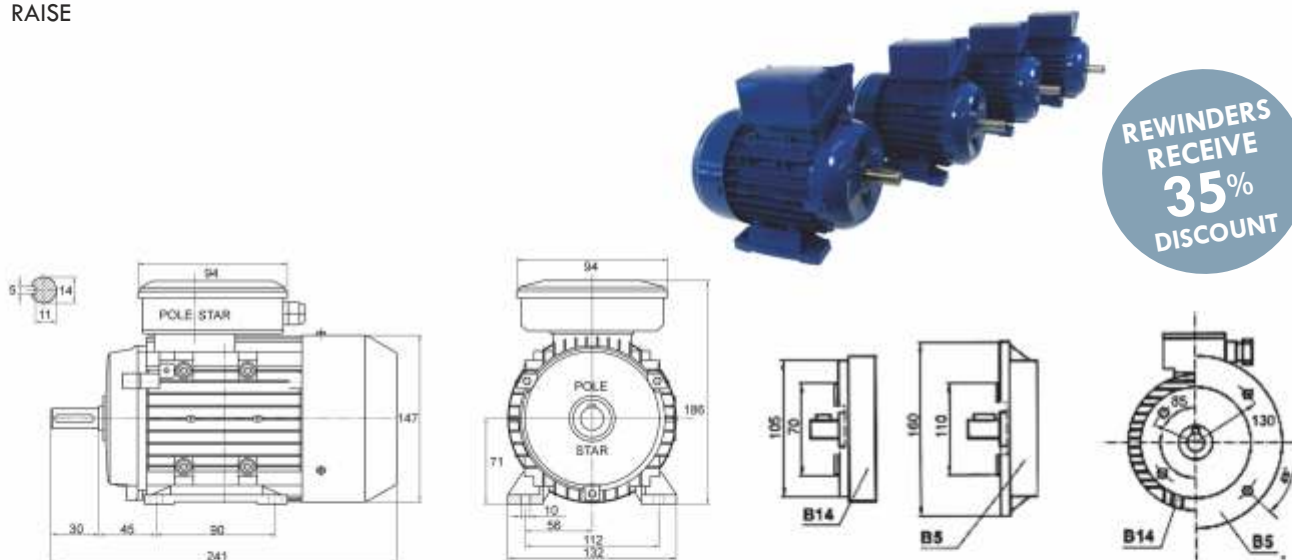
INSULATION: CLASS F WITH CLASS B TEMPERATURE RAISE

ENCLOSURE: TOTALLY ENCLOSED FAN COOLED, IP55

CASING: ALUMINUM CASING

BEARINGS: SEALED FOR LIFE BALL BEARING

FIXING: B3 FOOT AS STANDARD, MULTI-MOUNT DESIGN WITH REMOVABLE FEET



THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
71-SM0180T-B?	0.18kW	1000	£ 70.27	£ 73.56	£ 74.65	2-3 day
71-FM0250T-B?	0.25kW	1500	£ 52.30	£ 62.30	£ 62.30	next day
71-SM0250T-B?	0.25kW	1000	£ 74.34	£ 77.88	£ 79.05	2-3 day
71-TM0370T-B?	0.37kW	3000	£ 50.68	£ 60.58	£ 60.58	next day
71-FM0370T-B?	0.37kW	1500	£ 57.00	£ 67.00	£ 67.00	next day
71-SM0370T-B?	0.37kW	1000	£ 95.16	£ 99.94	£ 101.53	2-3 day
71-TM0550T-B?	0.55kW	3000	£ 78.60	£ 82.38	£ 83.64	2-3 day
71-FM0550T-B?	0.55kW	1500	£ 88.54	£ 92.92	£ 94.38	2-3 day

SINGLE PHASE - CAP START/CAP RUN

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
71-FM0250S-B?	0.25kW	1500	£ 69.12	£ 79.12	£ 79.12	next day
71-TM0370S-B?	0.37kW	3000	£ 67.14	£ 77.14	£ 77.14	next day
71-FM0370S-B?	0.37kW	1500	£ 73.26	£ 83.26	£ 83.26	next day
71-TM0550S-B?	0.55kW	3000	£ 69.12	£ 79.12	£ 79.12	next day

SINGLE PHASE - PERM CAP

Part Number	Motor Power	Motor RPM	Price/Mount		
			B3	B35/B34	
71P-FM0250S-B?	0.25kW	1500	£ 103.11	£ 109.25	2-3 day
71P-SM0250S-B?	0.25kW	1000	£ 122.61	£ 130.11	2-3 day
71P-TM0370S-B?	0.37kW	3000	£ 101.07	£ 107.06	2-3 day
71P-FM0370S-B?	0.37kW	1500	£ 109.78	£ 116.38	2-3 day
71P-TM0550S-B?	0.55kW	3000	£ 107.19	£ 113.16	2-3 day

FAN MOTORS

INDUSTRIAL ELECTRIC - 80 FRAME

TYPE: SQUIRREL CASE INDUCTION MOTORS

SUPPLY: SINGLE & THREE PHASE 220-240V/380-420V, 50HZ

POLES: 2 POLE (3000RPM) 4 POLE (1500RPM) & 6 POLE (900RPM)

EFFICIENCY: IE1/2/3

INSULATION: CLASS F WITH CLASS B TEMPERATURE RAISE

ENCLOSURE: TOTALLY ENCLOSED FAN COOLED, IP55

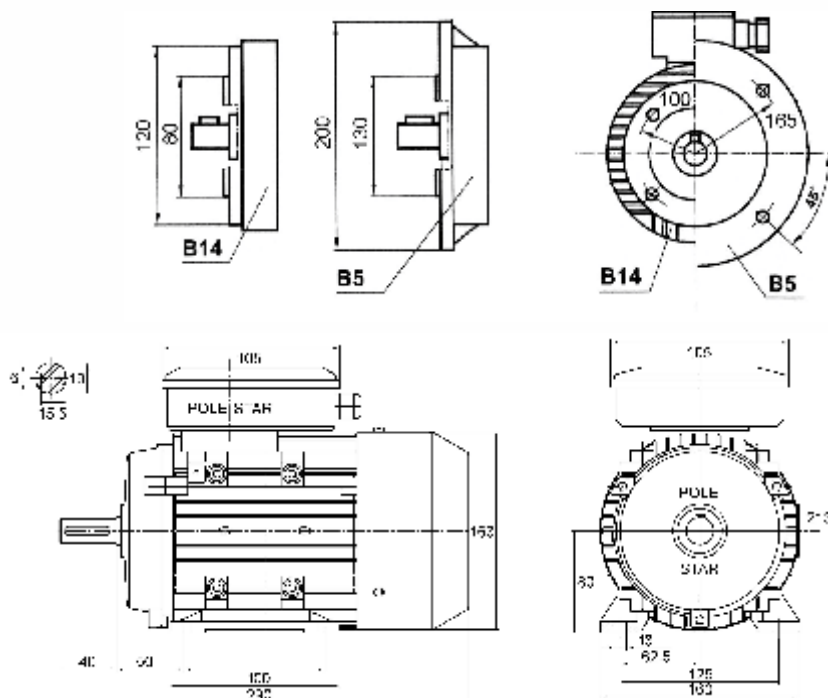
CASING: ALUMINUM CASING

BEARINGS: SEALED FOR LIFE BALL BEARING

FIXING: B3 FOOT AS STANDARD, MULTI-MOUNT DESIGN WITH REMOVABLE FEET



REWINDERS
RECEIVE
35%
DISCOUNT



THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
80-SM0370T-B?	0.37kW	1000	£ 97.43	£ 102.35	£ 103.99	2-3 day
80-FM0550T-B?	0.55kW	1500	£ 68.17	£ 78.17	£ 78.17	next day
80-SM0550T-B?	0.55kW	1000	£ 104.47	£ 109.81	£ 111.59	2-3 day
80K-TM0750T-B?	0.75kW	3000	£ 65.75	£ 75.75	£ 75.75	next day
80G-FM0750T-B?	0.75kW	1500	£ 74.49	£ 84.49	£ 84.49	next day
80G-TM1100T-B?	1.1kW	3000	£ 73.84	£ 83.84	£ 83.84	next day

SINGLE PHASE - CAP START/CAP RUN

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
80-FM0550S-B?	0.55kW	1500	£ 72.87	£ 82.37	£ 82.37	next day
80-TM0750S-B?	0.75kW	3000	£ 147.07	n/a	£ 156.28	2-3 day
80-FM0750S-B?	0.75kW	1500	£ 78.38	£ 88.38	£ 88.38	next day
80-TM1100S-B?	1.1kW	3000	£ 76.43	£ 86.43	£ 86.43	next day

SINGLE PHASE - PERM CAP

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
80P-FM0550S-B?	0.55kW	1500	£ 141.94	n/a	£ 150.79	2-3 day
80P-SM0550S-B?	0.55kW	1000	£ 178.89	n/a	£ 190.33	2-3 day
80P-TM0750S-B?	0.75kW	3000	£ 135.41	n/a	£ 143.80	2-3 day
80P-FM0750S-B?	0.75kW	1500	£ 153.50	n/a	£ 163.16	2-3 day
80P-TM1100S-B?	1.1kW	3000	£ 150.28	n/a	£ 159.72	2-3 day

FAN MOTORS

INDUSTRIAL ELECTRIC - 90 FRAME

TYPE: SQUIRREL CASE INDUCTION MOTORS

SUPPLY: SINGLE & THREE PHASE 220-240V/380-420V, 50HZ

POLES: 2 POLE (3000RPM) 4 POLE (1500RPM) & 6 POLE (900RPM)

EFFICIENCY: IE1/2/3

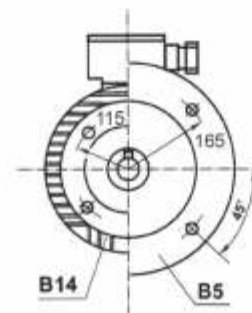
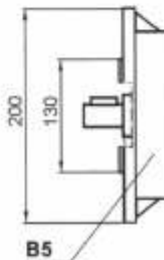
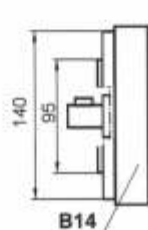
INSULATION: CLASS F WITH CLASS B TEMPERATURE RAISE

ENCLOSURE: TOTALLY ENCLOSED FAN COOLED, IP55

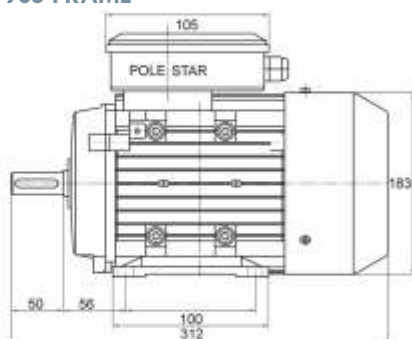
CASING: ALUMINUM CASING

BEARINGS: SEALED FOR LIFE BALL BEARING

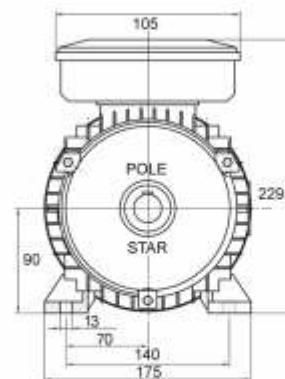
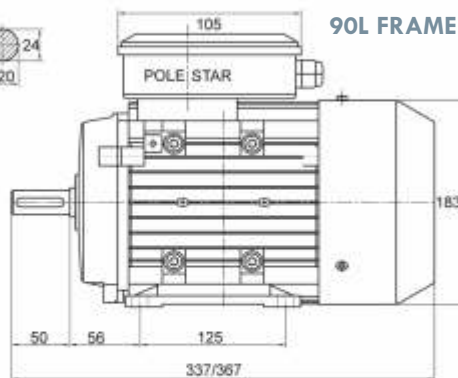
FIXING: B3 FOOT AS STANDARD, MULTI-MOUNT DESIGN WITH REMOVABLE FEET



90S FRAME



90L FRAME



THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount		
			B3	B5/B14	B35/B34
90S-SM0750T-B?	0.75kW	1000	£ 92.63	£ 102.63	£ 102.63
90S-FM1100T-B?	1.1kW	1500	£ 92.95	£ 102.95	£ 102.95
90L-SM1100T-B?	1.1kW	1000	£ 109.47	£ 119.47	£ 119.47
90S-TM1500T-B?	1.5kW	3000	£ 90.52	£ 100.52	£ 100.52
90S-FM1500T-B?	1.5kW	1500	£ 106.23	£ 116.23	£ 116.23
90L-TM2200T-B?	2.2kW	3000	£ 102.83	£ 112.83	£ 112.83

next day
next day
next day
next day
next day
next day

SINGLE PHASE - CAP START/CAP RUN

Part Number	Motor Power	Motor RPM	Price/Mount		
			B3	B5/B14	B35/B34
90S-FM1100S-B?	1.1kW	1500	£ 100.24	£ 110.24	£ 110.24
90S-TM1500S-B?	1.5kW	3000	£ 97.00	£ 107.00	£ 107.00
90L-FM1500S-B?	1.5kW	1500	£ 114.98	£ 124.98	£ 124.98
90L-TM2200S-B?	2.2kW	3000	£ 111.74	£ 121.74	£ 121.74

next day
next day
next day
next day

SINGLE PHASE - PERM CAP

Part Number	Motor Power	Motor RPM	Price/Mount		
			B3	B5/B14	B35/B34
90P-FM1100S-B?	1.1kW	1500	£ 128.70	n/a	£ 157.77
90P-SM1100S-B?	1.1kW	1000	£ 258.12	n/a	£ 275.10
90P-TM1500S-B?	1.5kW	3000	£ 200.17	n/a	£ 213.09
90P-FM1500S-B?	1.5kW	1500	£ 242.11	n/a	£ 257.97
90P-TM2200S-B?	2.2kW	3000	£ 233.04	n/a	£ 248.27

next day
2-3 day
2-3 day
2-3 day
2-3 day

FAN MOTORS

INDUSTRIAL ELECTRIC - 100 FRAME

TYPE: SQUIRREL CASE INDUCTION MOTORS

SUPPLY: SINGLE & THREE PHASE 220-240V/380-420V, 50HZ

POLES: 2 POLE (3000RPM) 4 POLE (1500RPM) & 6 POLE (900RPM)

EFFICIENCY: IE1/2/3

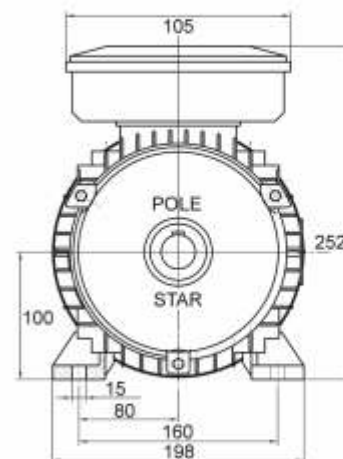
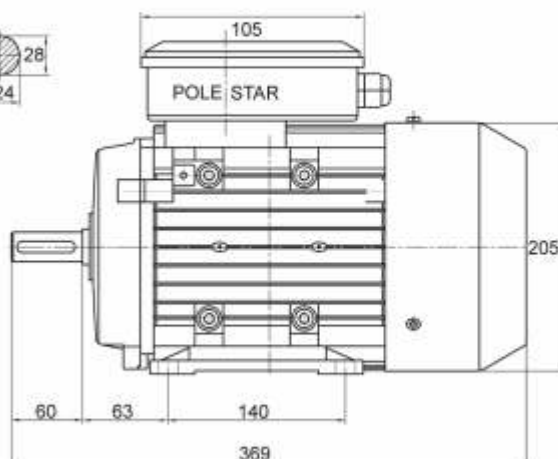
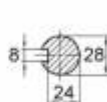
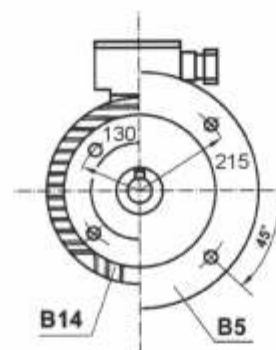
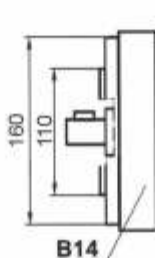
INSULATION: CLASS F WITH CLASS B TEMPERATURE RAISE

ENCLOSURE: TOTALLY ENCLOSED FAN COOLED, IP55

CASING: ALUMINUM CASING

BEARINGS: SEALED FOR LIFE BALL BEARING

FIXING: B3 FOOT AS STANDARD, MULTI-MOUNT DESIGN WITH REMOVABLE FEET



REWINDERS
RECEIVE
35%
DISCOUNT

THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
100L-SM1500T-B?	1.5kW	1000	£ 131.17	£ 141.17	£ 141.17	next day
100L-FM2200T-B?	2.2kW	1500	£ 133.12	£ 143.12	£ 143.12	next day
100L-TM3000T-B?	3kW	3000	£ 134.57	£ 144.57	£ 144.57	next day
100L-FM3000T-B?	3kW	1500	£ 146.72	£ 156.72	£ 156.72	next day

SINGLE PHASE - CAP START/CAP RUN

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
100L-FM2200S-B?	2.2kW	1500	£ 149.64	£ 159.64	£ 159.64	next day
100L-TM3000S-B?	3kW	3000	£ 149.47	£ 159.47	£ 159.47	next day
100L-FM3000S-B?	3kW	1500	£ 168.26	£ 178.26	£ 178.26	next day

SINGLE PHASE - PERM CAP

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
100P-SM1500S-B?	1.5kW	1000	£ 350.86	n/a	£ 374.34	2-3 day
100P-FM2200S-B?	2.2kW	1500	£ 300.34	n/a	£ 320.28	2-3 day
100P-TM3000S-B?	3.3kW	3000	£ 246.05	n/a	£ 262.19	2-3 day

FAN MOTORS

INDUSTRIAL ELECTRIC - 112 & 132 FRAME

TYPE: SQUIRREL CASE INDUCTION MOTORS

SUPPLY: SINGLE & THREE PHASE 220-240V/380-420V, 50HZ

POLES: 2 POLE (3000RPM) 4 POLE (1500RPM) & 6 POLE (900RPM)

EFFICIENCY: IE1/2/3

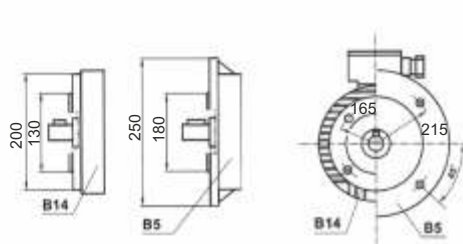
INSULATION: CLASS F WITH CLASS B TEMPERATURE RAISE

ENCLOSURE: TOTALLY ENCLOSED FAN COOLED, IP55

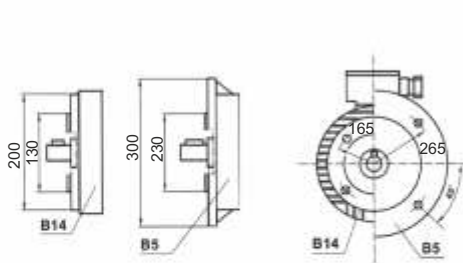
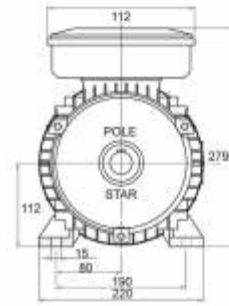
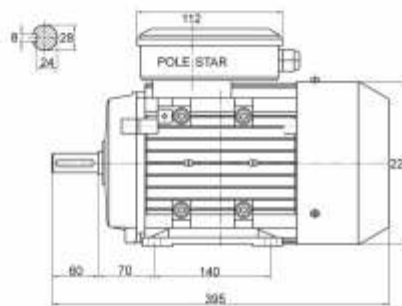
CASING: ALUMINUM CASING

BEARINGS: SEALED FOR LIFE BALL BEARING

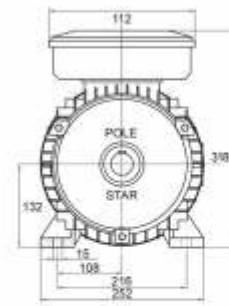
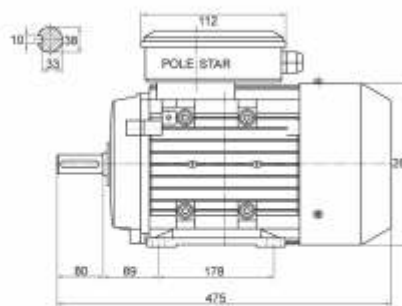
FIXING: B3 FOOT AS STANDARD, MULTI-MOUNT DESIGN WITH REMOVABLE FEET



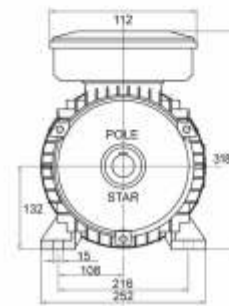
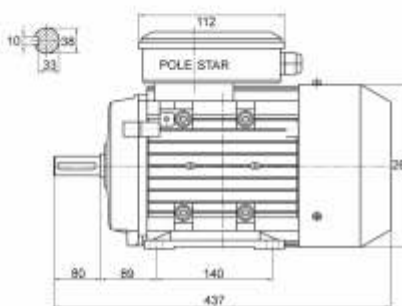
B3 FOOT MOUNT (112M FRAME)



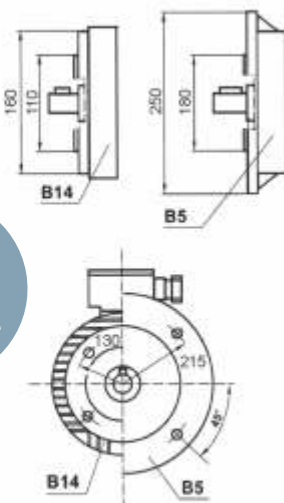
B3 FOOT MOUNT (132M FRAME)



B3 FOOT MOUNT (132S FRAME)



REWINDERS
RECEIVE
35%
DISCOUNT



THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
112-SM2200T-B?	2.2kW	1000	£ 269.30	£ 284.52	£ 289.60	2-3 day
112-TM4000T-B?	4kW	3000	£ 154.06	£ 255.03	£ 169.06	next day
112-FM4000T-B?	4kW	1500	£ 173.61	£ 287.79	£ 188.61	next day

SINGLE PHASE - CAP START/CAP RUN

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
112-TM3700S-B?	3.7kW	3000	£ 524.08	n/a	£ 559.68	2-3 day
112-FM3700S-B?	3.7kW	1500	£ 477.79	n/a	£ 510.15	2-3 day

THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
132-SM3000T-B?	3kW	1000	£ 373.99	£ 395.50	£ 402.67	2-3 day
132-SM4000T-B?	4kW	1000	£ 401.90	£ 425.08	£ 432.81	2-3 day
132-TM5500T-B?	5.5kW	3000	£ 354.97	£ 375.34	£ 382.13	2-3 day
132-FM5500T-B?	5.5kW	1500	£ 369.53	£ 390.77	£ 397.85	2-3 day
132-SM5500T-B?	5.5kW	1000	£ 454.51	£ 480.86	£ 489.64	2-3 day
132-TM7500T-B?	7.5kW	3000	£ 398.51	£ 421.50	£ 429.16	2-3 day

FAN MOTORS

INDUSTRIAL ELECTRIC - 160/180/200 FRAME

TYPE: SQUIRREL CASE INDUCTION MOTORS

SUPPLY: THREE PHASE 380-420V, 50HZ

POLES: 2 POLE (3000RPM) 4 POLE (1500RPM) & 6 POLE (900RPM)

EFFICIENCY: IE1/2/3

INSULATION: CLASS F WITH CLASS B TEMPERATURE RAISE

ENCLOSURE: TOTALLY ENCLOSED FAN COOLED, IP55

CASING: ALUMINUM CASING

BEARINGS: SEALED FOR LIFE BALL BEARING

FIXING: B3 FOOT AS STANDARD, MULTI-MOUNT DESIGN WITH REMOVABLE FEET



THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
160-SM7500T-B?	7.5kW	1000	£ 758.53	£ 803.11	£ 817.97	2-3 day
160-TM11000T-B?	11kW	3000	£ 605.21	£ 640.59	£ 652.38	2-3 day
160-FM11000T-B?	11kW	1500	£ 650.96	£ 689.09	£ 701.80	2-3 day
160-SM11000T-B?	11kW	1000	£ 836.39	£ 885.64	£ 902.06	2-3 day
160-TM15000T-B?	15kW	3000	£ 683.81	£ 723.91	£ 737.28	2-3 day
160-FM15000T-B?	15kW	1500	£ 730.47	£ 773.37	£ 787.67	2-3 day
160-TM18500T-B?	18.5kW	3000	£ 762.48	£ 807.30	£ 822.24	2-3 day

THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
180-SM15000T-B?	15kW	1000	£ 916.50	£ 970.56	£ 988.58	2-3 day
180-FM18500T-B?	18.5kW	1500	£ 842.14	£ 891.74	£ 908.27	2-3 day
180-TM22000T-B?	22kW	3000	£ 890.24	£ 942.72	£ 960.21	2-3 day
180-FM22000T-B?	22kW	1500	£ 977.71	£ 1,035.44	£ 1,054.69	2-3 day

THREE PHASE

Part Number	Motor Power	Motor RPM	Price/Mount			
			B3	B5/B14	B35/B34	
200-SM18500T-B?	18.5kW	1000	£ 1,056.44	£ 1,118.89	£ 1,139.71	2-3 day
200-SM22000T-B?	22kW	1000	£ 1,122.05	£ 1,188.44	£ 1,210.57	2-3 day
200-TM30000T-B?	30kW	3000	£ 1,222.64	£ 1,295.07	£ 1,319.21	2-3 day
200-FM30000T-B?	30kW	1500	£ 1,323.23	£ 1,404.69	£ 1,427.85	2-3 day
200-TM37000T-B?	37kW	3000	£ 1,397.59	£ 1,480.51	£ 1,508.15	2-3 day

Along with our ever expanding range of standard industrial frame motors we are also able to offer a made to order service for some more specific requirements. These include:

ATEX (EXPLOSION PROOF) MOTORS: Applications which require an explosion proof motor for zones 1,2, 21 or 22. Where protection against gases, vapours or dust is required, these motors are available on a short lead time. Frame sizes from 63 up to 355.

CAST IRON BODY: The higher structural strength cast iron provides over aluminium can be a requirement for some customers and certain applications. A range of 1-200HP is available in 140-440 frame sizes.

BRAKE MOTORS: Special environments which call for the use of a brake motor where reliability, safety and quick braking times are paramount (Disconnection 5-80 milli-seconds). These operations are generally saws/cranes/lathes/conveyors etc. The range is 0.25kw up to 15kw and available on a short lead time.

Please email or call our technical office today with your specific requirement.



BRAKE



ATEX



CAST IRON

THREE PHASE - 2 POLE (3000 RPM)

Motor Power (kW)	Brake Torque Nm	Frame Size	B3 Price
0.18	3	63	£ 216.99
0.25	3	63	£ 218.28
0.37	3	71	£ 267.14
0.55	3.5	71	£ 272.17
0.75	6	80	£ 326.31
1.1	9	80	£ 337.27
1.5	11	90	£ 436.33
2.2	14	90	£ 463.38
3	23	100	£ 605.35
4	45	112	£ 774.04
5.5	60	132	£ 1,042.28
7.5	60	132	£ 1,098.65
11	115	160	£ 1,554.40
15	115	160	£ 1,705.65
18.5	130	160	£ 2101.92

THREE PHASE - 4 POLE (1500 RPM)

Motor Power (kW)	Brake Torque Nm	Frame Size	B3 Price
0.18	3	63	£ 218.28
0.25	3.5	71	£ 263.29
0.37	5	71	£ 271.49
0.55	9	80	£ 326.68
0.75	10	80	£ 340.35
1.1	16	90	£ 440.49
1.5	23	90	£ 467.79
2.2	35	100	£ 593.29
3	40	100	£ 633.15
4	60	112	£ 784.13
5.5	70	132	£ 1,062.03
7.5	100	132	£ 1,144.64
11	125	132	£ 1,276.90
11	150	160	£ 1,754.58
15	185	160	£ 2,069.38

THREE PHASE - 6 POLE (1000 RPM)

Motor Power (kW)	Brake Torque Nm	Frame Size	B3 Price
0.25	5	71	£ 272.56
0.55	10	80	£ 342.52
0.75	16	90	£ 440.24
1.1	23	90	£ 469.15
1.5	32	100	£ 626.98
2.2	45	112	£ 807.80
5.5	100	132	£ 1,209.13

