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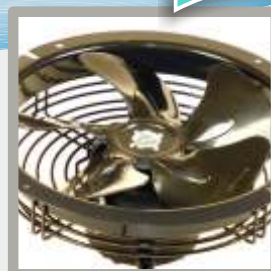
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# REFRIGERATION MOTORS | FANS | BLOWERS

New for 2017

# CATERING EX-STOCK SPARE PARTS



**POLE STAR**  
PRODUCTS LIMITED



**POLE STAR**  
PRODUCTS LIMITED

**offers...**

- ✓ Technical Advice & Assistance
- ✓ Big Cross Reference Database
- ✓ Next Day Delivery Nationwide
- ✓ Spares for Old & Obsolete Units
- ✓ All Parts Fully Guaranteed



## WE CAN HELP IF YOU GIVE US...

- ✓ Make & model of unit **or**
- ✓ Motor or fan part number **or**
- ✓ Description with sizes **or**
- ✓ Photo from your mobile



**01526  
399 711**





# Multi-Fit Motors

Shaded Pole Fan Duty Multi-Fit Motor  
Single Phase Supply 220/240V, 50/60Hz  
4 Pole @ 1300RPM, Single Running Speed  
Class B Insulation, Enclosure Rating IP42  
Ambient Temperature Rating -40°c to +60°c  
Continuously Rated Air over Motor (CRAOM)  
1000mm Double Insulated Three Core Cable  
Full Range of Brackets, Guards, Rings & Blades  
Anti-Clockwise Shaft End Rotation as Standard

## SLEEVE BEARINGS

Fantastic value & quality

OEM refrigeration companies generally fit sleeve bearing motors as standard. They offer acceptable performance and life, and the purchase cost is low.

PSM5W	5W
PSM7W	7W
PSM10W	10W
PSM16W	16W
PSM18W	18W
PSM25W	25W
PSM34W	34W

## FREE NEXT DAY DELIVERY \*

\* Any 10+ multi-fits

Any mix of models

All Multi-Fit motors are individually boxed, fixing nuts, screws and washers included.



SCAN QR CODE TO SHOP ONLINE

## BALL BEARINGS

Longer life & higher duty

Ball bearing motors give longer life and higher duties. They will work at any angle or position, take heavier fan blades, and tolerate higher temperatures

PS05BM-1	5W
PS07BM-1	7W
PS10BM-1	10W
PS16BM-1	16W
PS18BM-1	18W
PS25BM-1	25W
PS34BM-1	34W



3 x M4 equi-spaced tapped holes on 72mm PCD + 4 x M4 x15mm extended corner bolts on 95mm PCD at shaft end for mounting



3 x M4 equi-spaced tapped holes on 72mm PCD at lead end for mounting, plus cast guides or webs to secure spider brackets



2 x M4 x 9mm long mounting studs on 26mm centres. Side brackets 51mm shaft centre height on pedestal bracket



2 x M4 x 11mm long mounting studs on 18mm centres. Side brackets 48mm shaft centre height on pedestal bracket



Ball bearing motors are packed in strong individual boxes with foam pads to avoid damage in transit and for van stock use



Multi-fit motors supplied with all necessary fixings, including mounting nuts, screws, washers etc. to ensure easy installation

www.psp.uk.com

tel: 01526 399 711 | fax: 01526 399 744 | email: sales@psp.uk.com



# Ring & Grid Mounts



## Aluminium Parts

Shaded pole motor with aluminium mounting ring and fan blade. The most common configuration, favoured by OEM refrigeration companies due to low cost and well proven performance.



## Plastic Parts

Black thermoplastic mounting rings with black or white plastic fan blades for freezer or chiller applications. Superior airflow performance, reduced noise levels and damage resistant.



## Square Cut Ring

The square cut aluminium ring allows the fan to be installed in tighter spaces and closer to the panel edges in refrigeration applications; popular in compact supermarket display cases.



## Deep Ring Fans

The four mounting arms are longer to position the motor and fan blade further back from the flange. The fan blade tip is behind the mounting ring. Used with punched outlet grilles.



## Energy Saving Fans

Low energy EC motors in two power outputs drive fan blades from 154mm to 254mm diameter. They use less than one third the energy of shaded pole motors and generate little heat.



## Combined Ring & Guard

This design combines a metal mounting ring with wire guard to shield the fan blade from the motor side. It is used in conjunction with our WPG fan guard for all round protection.



## Wire Grid Mount

Coated wire grid mounts motor to refrigeration unit. This arrangement is popular in commercial catering units. Shallow basket shape places the fan blade correctly in the aperture.



## Pedestal Mount Fans

Pedestal mounting brackets are straight leg or angle leg (V Form). Motor mounts by two studs, 18mm or 26mm centres. A full range of bracket heights to match all blade diameters are available.



### Ring Mount Fans

Blade Size	Motor Power
154mm	5W
172mm	5W
172mm	10W
200mm	5W
200mm	10W
230mm	10W
254mm	10W
254mm	16W
300mm	25W

### Grid Mount Fans

Blade Size	Motor Power
154mm	5W
172mm	5W
172mm	10W
200mm	5W
200mm	10W
230mm	10W
254mm	10W
254mm	16W
300mm	25W

LEAFLET PRICES ARE FOR ACCOUNT  
HOLDERS & TRADE CUSTOMERS

# Skeleton or Open Frame Motors



- 2 Pole (2500RPM)
- Insulation Class F
- Single Speed
- Plain Shaft or Fan Hub
- 24+ models

# Liquid Stirrer Motors



- 2 Pole (2500RPM)
- Insulation Class F
- Single Speed
- Stainless Steel Shaft
- Waterproof Coil

# Pedestal Fans



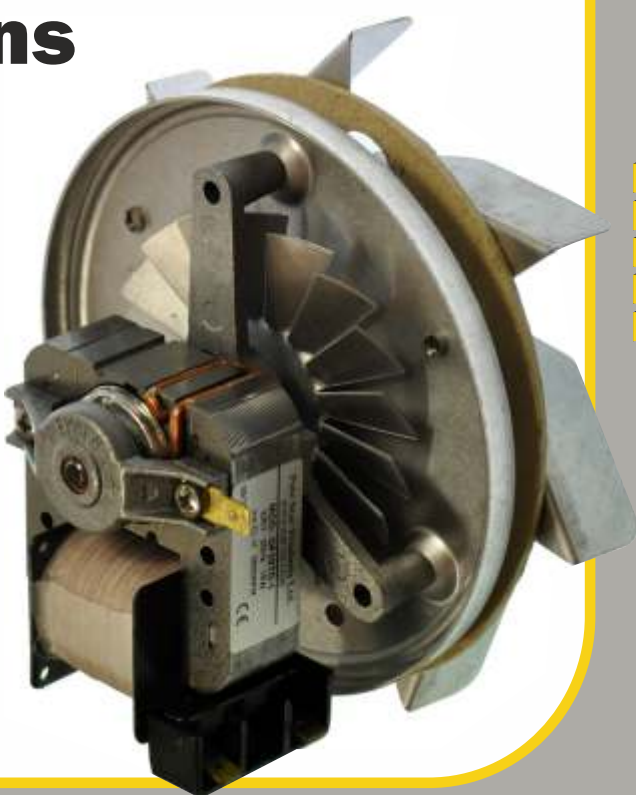
- 2 Pole (2500RPM)
- Insulation Class F
- Single Speed
- Fan Blade Sizes:  
88, 130, 154, 165 & 172mm

# Gearboxes



- Continuously Rated
- Insulation Class B
- Ball Bearings
- For Slush Ice Machines,  
Kebab Motors, Vending, etc.

# Oven Fans



- 2 Pole (2100RPM)
- Insulation Class H
- Single Speed
- Stainless Steel Blade
- 150mm Standard

# 20 Range Fans

- 4 Pole (1300RPM)
- Insulation Class B
- Single Speed
- Fan Blade 96mm
- Metal Parts





# Cross Flow Blowers or Tangential Fans

- Standard Wheel Diameters: 45 & 60mm
- Other Diameters: 30, 40, 65 & 133mm
- Wheel Lengths: 60mm to 610mm
- Single and Double Blowers



# 33 Range Motors SHADED POLE

- 2 Pole (2500RPM) & 4 Pole (1300RPM)
- 3W to 40W Output
- Plain Shaft or Fan Hub
- Replacements for old:

AEI, A.O. Smith  
Brook Crompton  
Controls Company  
Electrohome  
GEC Machines  
Lemac  
Magnatek  
Ranco  
Redmond  
Universal Electric  
and others



# 33 Range Motors CAPACITOR PSC

- 2 Pole (2500RPM) & 4 Pole (1300RPM)
- 5W to 70W Output, Plain Shaft or Fan Hub
- OEM Specials, plus TEFC Long Shaft Stirrers



# Mounting Parts & Accessories

- Fan Blades: Metal & Plastic
- Diameters: 96mm to 510mm
- Wire Mounting Grids
- Metal & Plastic Rings
- Pedestal Brackets
- Capacitors
- Fan Guards



# 84 Range Motors CAPACITOR PSC

- 2 Pole (2500RPM) & 4 Pole (1300RPM)
- 5W to 50W Output, Plain Shaft or Fan Hub
- OEM Specials & Direct Equivalents



# 84 Range Motors SHADED POLE

- 2 Pole (2500RPM) & 4 Pole (1300RPM)
- 3W to 40W Output, Plain Shaft or Fan Hub
- OEM Specials & Equivalents
- Fitted Plugs, etc.



Prices correct Spring 2017  
Net prices, excluding VAT  
Subject to review annually  
No minimum order or value  
Errors & Omissions Excepted



Shipping is £8.50 per parcel - next day delivery  
(not guaranteed). Use a timed delivery if urgent.  
9am, 10am or noon. Maximum parcel weight 30Kg.  
Pallet charge £50 for 2-3 days or £60 next day.  
Highlands & Islands - extra cost, slower delivery



# Ring Mount Fans

## SHADED POLE MOTORS

- Blade Diameters: 154, 165, 172, 200, 230, 254 & 300mm
- Pitch Angles: 11°, 18°, 19°, 20°, 22°, 25°, 28°, 31° & 34°
- Metal or Plastic Parts, Sucking or Blowing Airflow
- Sleeve or Ball Bearings



# Ring Mount Fans

## EC MOTORS

- Blade Diameters: 154, 172, 200, 230, 254 & 300mm
- Pitch Angles: 11°, 18°, 19°, 20°, 22°, 25°, 28°, 31° & 34°
- Metal or Plastic Parts, Sucking or Blowing Airflow
- EC Motors with Sleeve or Ball Bearings



# Compact Axial Cooling Fans

- Supply: 12V, 24V, 115V, 240V @ 50/60Hz
- Square Frame Sizes: now from 40, 60, 80, 90, 120, 127 & 180mm
- 2 Pole (2700RPM)
- Single Speed
- Class B
- Leads or Pins
- 40°c to +65°c
- EC also available
- Special include:
  - Fish Eye
  - Bow Tie
  - etc.



# Grid Mount Fans

## SHADED POLE or EC MOTORS

- Blade Diameters: 154, 172, 200, 230, 254 & 300mm
- Pitch Angles: 11°, 18°, 19°, 20°, 22°, 25°, 28°, 31° & 34°
- Flat or Basket Grids, Sucking or Blowing Airflow
- Motors with Sleeve or Ball Bearings



# Backward Curved Fans

- Fan Sizes: 133, 175, 190, 220, 225, 250, 280, 315 & 355mm
- External Rotor Motor with Plastic or Steel Impeller
- 2 Pole (2600RPM) & 4 Pole (1300RPM)
- Class B
- Single Speed
- IP54
- 30°c to +60°c
- Ball Bearings
- EC also available



# Forward Curved Fans

- Fan Diameter: 133mm
- External Rotor Motor
- Steel Impeller
- 2 Pole (2550RPM)
- Class B
- Single Speed
- IP54
- 30°c to +60°c
- Ball Bearings



# Spares For...

Air Conditioners | Blast Coolers | Chillers | Condensers | Bakery Cases | Bar Refrigeration  
 Beer Coolers | Beverage Dispensers | Bottle Coolers | Carbonators | Cellar Cooling | Cooker Hoods  
 Dehumidifiers | Evaporators | Freezer Units | Fan Coils | Heat Pumps | Ice Machines  
 Commercial Ovens | Supermarket Display Cases & Counters | Water Coolers . . .



# Guard Mounted Axial Fans

- Single & Three Phase
- 2 Pole @ 2550RPM
- 4 Pole @ 1350RPM
- 6 Pole @ 900RPM
- 8 Pole @ 680RPM
- Terminal Box or Long Cables

- Sucking or Blowing Airflow
- Flat Guard or Basket Guard
- PSC (Capacitor) or EC Motor
- Industry Standard Dimensions
- Also available EC & ATEX

175mm
200mm
240mm
250mm
290mm
300mm
315mm
330mm
340mm
350mm
380mm
400mm
420mm

440mm
450mm
490mm
500mm
540mm
550mm
600mm
620mm
630mm
710mm
800mm
900mm

\*Some models slightly more

Ask for a copy of our new 2017 booklet listing all our Guard Mounted Fan models with dimensioned drawings and airflow performance curves; or see it online at [www.psp.uk.com](http://www.psp.uk.com)

# Pumps

## CONDENSATE PUMPS

These condensate pumps are designed to be fitted into the ceiling void, in the AC unit itself within the trunking and below the AC unit. The condensate pumps have a separate submersible reservoir and pump whilst the “kitchen” unit is a complete all in one unit.

- Quiet Running
- Reliable
- Low dB(A) sound levels
- Ideal for offices & meeting rooms
- EC (energy saving) pumps available

## TANK PUMPS

These centrifugal tank pumps are designed to remove condensate water from air conditioners, refrigeration equipment, gas boilers, all kinds of cabinet fan coil ceiling cassettes and de-humidifiers.

- High Flow Rates
- Trouble Free, Centrifugal Pump Technology
- Reliable & Durable
- Easy to Fit
- Low Maintenance
- Ideal for ducted A/C's & cassettes

Part No	Max Flow	Max Head	Suction Lift	Sound
CP-1028	12 l/hr	12m	2m	25 dB(A)
CP-1218	12 l/hr	12m	2m	25 dB(A)
CP-12AB	12 l/hr	10m	-	30 dB(A)
CP-30228	15 l/hr	3m	2m	45 dB(A)
CP-50228	50 l/hr	5m	2m	55 dB(A)



ACCOUNT HOLDERS  
PRICES SHOWN ABOVE

prices include

25%

discount from our list price.

OPEN AN ACCOUNT TODAY - and start saving!





**BEERMASTER TYPE**  
Suitable motor for Beermaster Range  
**105FS70**



**POPULAR - T2-T6 TYPE**  
Replacement for T2-T6 coolers 15W  
**33FS15-1**



**CARAVELL TYPE**  
Replacement for some Caravell monoblock units  
**84TM18S-1**



**ZANUSSI**  
96mm diameter fridge fan  
**20TM1S-1**



**CONTARDO - G34 TYPE**  
Replacement motor for G34  
**120FM34S-1**



**CONTARDO - G90 TYPE**  
Replacement for G90 & NDF-77 to 190 & NCF-87 to 220  
**120FS90**



**CONTARDO HITEC TYPE**  
HiTec esternal rotor fan fits onto HC Range (330mm)  
**3 options available**



**CONTARDO HA/SHA SERIES TYPE**  
Fan motor to suit Contardo HA & SHA Coolers (plug)  
**84FM9S-1**



**CRAIG NICOL TYPE**  
Replacement for Craig Nicol Ambassador cases  
**33FS7-1**



**EBAC DEHUMIDIFER TYPE**  
Fan motor that is suitable for EBAC and other similar dehumidifiers  
**33FS4-1**



**ECO CTE RANGE TYPE**  
A replacement motor which fits Evo CTE models  
**84FS20-1**



**POPULAR - TG TYPE**  
Replacement for T2-T6 coolers 15W  
**33FS15-1**



**ELCO EC FAN**  
Popular energy saving motor hexagon hub  
**ECFM12-2M**



**FOSTER - BTU/DRP TYPE**  
Alternative motor that fits Foster BTU & DRP units  
**33TR33-1**



**FRIGA BOHN - MUC TYPE**  
A replacement to fit Friga Bohn MUC mono models  
**84FM25S-8**



**GB SHORT SHAFT TYPE**  
Popular motor for GB cases  
**33FDS101**



**GB LONG SHAFT TYPE**  
Popular motor for GB cases  
**33FDF372**



**HUSSMANN REPLACEMENT**  
Fan motor to suit Husmann PE5889  
**84FM9S-1**



**POPULAR - CD1-CD6 TYPE**  
Fan designed to fit CD1-CD6 coolers 90W  
**48FS90-3**



**HUSSMANN REPLACEMENT**  
Fan motor to suit Husmann PE3607  
**84FS20-1**



**L'UNITE TYPE**  
Popular 18W motor with in-line fixings fits L'unite condensing units  
**84FS25-3**



**PEREGO TYPE**  
Popular replacement mPerego motor  
**84FM25S-5**



**POPULAR AS75/LVS/SR TYPE**  
Popular 18W motor for AS75 LVS70-9-, SR45-240  
**33FS18-1**



**UNIVAP - ACH/ACM/TCH/TCM TYPE**  
34W motor which fits various univap models  
**84FS34-1**



**POPULAR - DSR TYPE**  
Replacement for DSR12-83  
**33FS25-1**



**POPULAR - ECL TYPE**  
Replacement for ECL45-120  
**48FS90-2**



**POPULAR - ECL TYPE**  
Replacement for ECL 250W  
**60FM250R-4**



**PRESTCOLD - D1/D2 TYPE**  
Replacement motor for D1 & D2  
**48FS180-1 1PH**  
**48FS180-3 3PH**



**POPULAR - J1-J2/T1/SUZ TYPE**  
Replacement for J1-J2 coolers T1 and SUZ, 7W high speed  
**33TS7-1**



**POPULAR - J3-J4 TYPE**  
Replacement for J3-J4 coolers  
**33FS15-1**



**POPULAR - KM TYPE**  
Popular replacement for KM coolers  
**63FS200-1 1PH**  
**63FS200-3 3PH**



**PRESTCOLD - AS100-300 TYPE**  
Replacement motor for AS100-300  
**48FS120-1 1PH**  
**48FS120-3 3PH**



**POPULAR - CH TYPE**  
Suitable alternative for C6H range coolers 90w  
**120FS90**



**POPULAR - K180-360 TYPE**  
Replacement for K coolers 350W, 180-360 range  
**60FM250R-4**



**POPULAR - KS TYPE**  
Highly popular replacement for KS coolers 70W  
**105FS70**



**UCLCD1-CD6 TYPE**  
Replacement for UCL 35-180  
**33TS35-1**

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





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