# **Refrigeration Fan Motors**

# **ECM High Efficiency Motors**

MARS Hi Efficiency ECM motors are drop in replacements of the traditional front mount shaded pole

motors. They use all the same accessories with no extra work for an easy and hassle-free installation. These are built with ECM technology to run more efficiently, reduced CO2 emissions, longer life expectancy and quieter than the normal PSC shaded pole motors. They offer better airflow control than a PSC, up to 70%, 4 to 5 times more efficient than a regular shaded pole motor. Higher efficiency means cooler motor operation and reduced heat delivered to the refrigeration cycle, for a combined energy saving advantage and improved refrigeration quality. The ECM Series offers IP65 moisture protection grade, one of the highest in the industry. These motors are designed to satisfy the growing demands of energy savings.

#### Features:

- · Life expectancy of 60,000+ hrs.
- · Protection rating IP65 moisture protection grade
- Totally enclosed
- All angle
- Continuous air over
- · Long life sealed ball bearings

#### Specifications:

- Working temp: -40°C +55°C
- 50/60 Hz
- M4 Studs on 3.72" B.C. for shroud/guard
- · UL recognized & CE Certified

# **Cross Reference:**

| EDA15253UC0176, EDA10153UC0182 | Hill Phoenix | P078449H, P079441C, P066237A |
|--------------------------------|--------------|------------------------------|
|                                |              |                              |

| MARS<br>NO. | WATTS | VOLTS   | RPM  | ROT. S.E | AMPS    | TERM.PLUG   |
|-------------|-------|---------|------|----------|---------|-------------|
| 00892       | 1-30  | 120/240 | 1600 | CCW      | 0.7/0.4 | 2 pin Lyall |

🗥 WARNING:

# 5KCP29 — Form G PSC Motors

Designed for virtually every fan and blower application.

### Features:

ितस

- · All angle sleeve bearings
- Open construction
- Aluminum end shields
- · 26 inch color-coded leads
- 2-1/2 inch resilient ring mounting
- · Double shaft models shipped with base mounted (3.5 inch shaft height)
- Extended thru bolts on shaft end-extended 3/4 inch on single shaft and 1-1/2 inch on double shaft motors (on 4.6 inch bolt circle)
- Energy \$aver<sup>®</sup> design
- Motor reversing leads have terminals for quick change to opposite rotation
- For accessories see pages M-44 - M-46

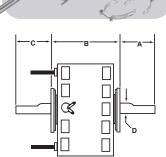
#### **Specifications:**

- · Single phase, 60 Hertz
- · Automatic reset overload protection
- · Fan duty, continuous, air over
- Advanced Class B insulation
- 5 Mfd @ 370V capacitor required (MARS No. 12005)

| MARS GENO. HP VOLTS AMPS RPM                    | DIMENSIONS |     |  |  |  |  |  |  |  |  |  |  |
|---|------------|-----|--|--|--|--|--|--|--|--|--|--|
| NO. 5KCP29                                      | B C        | D   |  |  |  |  |  |  |  |  |  |  |
| 1075 RPM - Single Shaft - Three Speed - 6 Pole  |            |     |  |  |  |  |  |  |  |  |  |  |
| 02840(1) BG5866S 1/30 115 .61 REV 1075 8.00 6.0 | 00/4.50 —  | 1/2 |  |  |  |  |  |  |  |  |  |  |
| 02824 EG5854S 1/8 115 2.45 REV 1075 4.00        | 5.06 —     | 1/2 |  |  |  |  |  |  |  |  |  |  |
| 02825 KG5855S 1/5 115 3.51 REV 1075 4.00        | 5.56 —     | 1/2 |  |  |  |  |  |  |  |  |  |  |
| 1075 RPM - Double Shaft - Four Speed - 6 Pole   |            |     |  |  |  |  |  |  |  |  |  |  |
| 02830 BG5860S 1/15 115 1.4 CCW 1075 8.00        | 4.67 8.00  | 1/2 |  |  |  |  |  |  |  |  |  |  |
| 1625 RPM - Double Shaft - Four Speed - 4 Pole   |            |     |  |  |  |  |  |  |  |  |  |  |
| 02837 FG5869S 1/6 115 2.1 CCW 1625 8.00         | 5.42 8.00  | 1/2 |  |  |  |  |  |  |  |  |  |  |

(1) Model has resilient ring length adapter kit included in carton









# **Condenser Fan Motors / Direct Drive Blower Motors**

# "Cap-Can" Construction Vertical Shaft Down Condenser Fan And Heat Pump Motors

### **Ball Bearing**

These new permanent split capacitor motors from GE are designed for use in residential outdoor condenser fan and heat pump units (primarily up to 3.5 tons), requiring vertical shaft down with stud or flange mounting.

#### Features:

- "Cap-Can" construction
- Automatic thermal overload protection
- #8-32 extended stud or flange mount
- · Water slinger on shaft
- Vertical shaft down
   mounting orientation
- CW or CCW rotation in several ratings
- Designed for 370 volt capacitor (not furnished)
- · Class B insulation
- For accessories see pages M-44 M-46

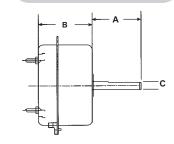
#### Specifications:

- · All models are single-speed
- 60 Hz
- 208-230 Volts
- 1/2" Shaft diameter
- 26" Leads
- · Continuous duty, air-over

| MARS  | GE            |     |      | AMDS | ROT | 370V CAP<br>REQUIRED | DIMENSIONS |      |      |  |
|-------|---------------|-----|------|------|-----|----------------------|------------|------|------|--|
| NO.   | NO.           |     |      |      | OSE | REQUIRED             | Α          | В    | С    |  |
| 02248 | 5KCP29ECA328S | 1/8 | 1075 | 0.86 | CW  | 5 MFD                | 2.75       | 3.85 | 1/2" |  |

# ⇒genteq





# SOS™ Multi-Horsepower Direct Drive Blower Motors



MARS SOS™ multi-horsepower direct drive blower motors are ideal for truck stock. Four models cover both 115 volt and 208-230 volt applications from 1/6 through 3/4 HP.

All SOS<sup>™</sup> motors feature easy mounting in Rheem applications.

# Features:

- Multi-HP
- Open end shields
- · Extended mounting studs
- · 2-1/2 inch resilient rings
- · Reversible rotation
- · All angle sleeve or ball bearings
- Capacitor requirement noted on motor label
- For accessories see pages M-44 – M-46

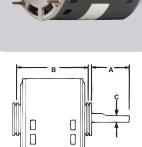
#### **Specifications:**

•

- Single phase, 60 Hz
- Overload protection

Open construction

· Fan duty, continuous air over



### **Cross Reference:**

**5**<sup>1</sup>/<sub>2</sub> inch dia.

| MARS<br>No. | A.O. SMITH | EMERSON |
|-------------|------------|---------|
| 03463       | FDL6001    | 5460    |
| 03464       | FD6000     | 5461    |
| 03466       | FDL6002    | 5470    |

### 1075 RPM Multi-Horsepower Reversible Rotation – 6 Pole

|   | MARS   | GE NO.<br>5KCP39 | HP                      |         | AMPS | DIMENSIONS |      |     |  |  |
|---|--------|------------------|-------------------------|---------|------|------------|------|-----|--|--|
| l | NO.    |                  |                         | VOLIS   |      | Α          | В    | С   |  |  |
|   | 03463  | KGV804AS         | 1/2, 1/3, 1/4, 1/5, 1/6 | 115     | 6.2  | 5.00       | 4.73 | 1/2 |  |  |
|   | 03464  | KGV805AS         | 1/2, 1/3, 1/4, 1/5, 1/6 | 208-230 | 2.7  | 5.00       | 4.73 | 1/2 |  |  |
| Ī | 03466* | SGU363AS         | 3/4, 1/2, 1/3, 1/4, 1/5 | 115     | 8.4  | 5.00       | 5.98 | 1/2 |  |  |
| - |        |                  |                         |         |      |            |      |     |  |  |

\* Ball Bearing



# **Condenser Fan Motors**

# SOS™ Multi-Horsepower Outdoor Condenser Fan Motors

### **Ball Bearing**

MARS SOS™ multi-horsepower condenser fan motors are ideal for truck stock. Three 1075 RPM models cover 208-230 volt applications from 1/6 to 1/2 HP.

New Slim Stack<sup>™</sup>#03458, WIZARD, and the new WIZARD 825 fit in many 1/3 HP installations that will not accept other manufacturer's motors.

The 03458 is a single speed "wide-range" motor that will run at any fan load from 1/6 to 1/3 HP at a nominal 1075 RPM. MARS #03459, the new WIZARD 825, will run at any fan load from 1/8 to 1/3 HP at a nominal 825 RPM.

All SOS<sup>™</sup> motors feature easy mounting in Rheem applications.

#### Features:

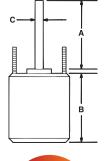
- Multi-HP
- Thru bolt or band mounting
- · Rheem mounting capability
- · Water slinger on shaft
- Air conditioning or heat pump duty
- Capacitor requirement noted on motor label
- End Shield drain holes w/plugs

#### Specifications:

- · Single phase, 60 Hz
- Overload protection
- Fan duty, continuous air over
- Totally enclosed, Non-ventilated
- Class B insulation

# ⇒genteq •







# \* Heat Shield

#### **Cross Reference:**

| over | MARS<br>No. | A.O. SMITH | EMERSON |
|------|-------------|------------|---------|
|      | 03458       | ORM5458    | 5458    |
|      | 03459       | ORM5488B   | 5464    |
|      | 03468       | FE6002     | 5465    |
|      | 03469       | FE6001     | 5464    |

#### **Multi-Horsepower, Reversible Rotation**

| MARS              |                | HP                      |         | AMPS | DIMENSIONS |      |     |  |
|-------------------|----------------|-------------------------|---------|------|------------|------|-----|--|
| NO.               | 5KCP39         |                         | VOLIG   |      | Α          | В    | С   |  |
| 1075 RPM - 6 Pole |                |                         |         |      |            |      |     |  |
| 03458             | izard JGU530S  | 1/3, 1/4, 1/5, 1/6      | 208-230 | 2.8  | 6.75       | 4.48 | 1/2 |  |
| 03458HS*          | izard LGU7215  | 1/3, 1/4, 1/5, 1/6      | 208-230 | 2.6  | 6.50       | 5.23 | 1/2 |  |
| 825 RPM - 8       | Pole           |                         |         |      |            |      |     |  |
| 03459* Wiza       | rd 825 NFBA87S | 1/3, 1/4, 1/5, 1/6, 1/8 | 208-230 | 1.8  | 6.50       | 5.48 | 1/2 |  |
| 03459*            | rd 825 NFBA87S | 1/3, 1/4, 1/5, 1/6, 1/8 | 208-230 | 1.8  | 6.50       | 5.48 |     |  |

A WARNING:

Cancer and Reproductive Harm www.P65Warnings.ca.gov

\* Heat Shield

# Vertical Outdoor Condenser Fan Motors Shaft-Up/Down

# **Ball Bearing**

GE up/down outdoor condenser fan motors are designed for either vertical shaft-up or shaftdown applications. Shell and end shields are enclosed for weather protection. A weep hole is provided in each end shield to allow condensate to drain. A plastic plug is provided to seal the weep hole in the end shield exposed to the weather. All of these motors are suitable for air conditioning or heat pump applications. All feature reversible rotation, 208-230 volts, six inch shaft length and extended thru bolts extending from both ends.

#### Features:

- · Thru bolt or band mounting
- · All angle mounting
- · Water slinger on shaft
- · Serrated end cap on shaft end only
- · For air conditioning or heat pumps
- Full six inch shaft length with two full flats at 90°
- Reversible rotation
- For accessories see pages M-44 M-46
- Rheem mtg. holes (mtg. hardware included)

#### Specifications:

- 60 Hertz
- Single phaseOverload protected
- Fan duty, continuous, air over
- 48 inch leads
- · Totally enclosed, non-ventilated
- Class B insulation

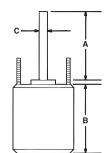
#### **Reversible Rotation**

| MARS       | GE NO. HP VOLTS |        | AMPS RPM (1) |         | САР    | DIM      | DIMENSIONS |      |     |
|------------|-----------------|--------|--------------|---------|--------|----------|------------|------|-----|
| NO.        | 5KCP39          | nr     | VOLIS        |         |        | REQ.     | Α          | В    | С   |
| 825 RPM    | - Single Sp     | beed - | Standar      | d Effi  | ciency | - 8 Pole |            |      |     |
| 03203*     | HFBA79S         | 1/6    | 208-230      | 0.90    | 825    | 5/370    | 6.0        | 4.30 | 1/2 |
| 03204*     | JFBA83          | 1/4    | 208-230      | 1.3     | 825    | 7.5/370  | 6.0        | 5.03 | 1/2 |
| 03205*     | NFBA82S         | 1/3    | 208-230      | 1.8     | 825    | 10/370   | 6.0        | 5.80 | 1/2 |
| 1075 RPI   | VI - Single S   | peed   | - Standa     | rd Effi | ciency | - 6 Pole |            |      |     |
| 03733(2) * | LGU715S         | 1/3    | 208-230      | 2.6     | 1075   | 7.5/370  | 6.0        | 4.48 | 1/2 |
| 03734(2) * | RGU718S         | 1/2    | 208-230      | 3.0     | 1075   | 10/370   | 6.0        | 5.23 | 1/2 |
| 03735(2) * | SGU717S         | 3/4    | 208-230      | 4.1     | 1075   | 10/370   | 6.0        | 5.98 | 1/2 |

 $^{(1)}$  Low speed approximately 300 RPM less than high speed depending on fan load  $^{\ast}$  Heat Shield



⇒genteq







5<sup>1</sup>/<sub>2</sub> inch dia.

⇒genteq

# Vertical Outdoor Condenser Fan Motors Shaft-Up/Down

GE up/down outdoor condenser fan motors are designed for either vertical shaft-up or shaft-down applications. Shell and end shields are enclosed for weather protection. A weep hole is provided in each end shield to allow condensate to drain. A plastic plug is provided to seal the weep hole in the end shield exposed to the weather. All of these motors are suitable for air conditioning or heat pump applications. All feature reversible rotation, 208-230 volts, six inch shaft length and extended thru bolts extending from both ends.

#### Specifications:

- 60 Hertz
- Single phase
- · Overload protected
- · Fan duty, continuous, air over
- · 26 inch leads
- · Totally enclosed, non-ventilated
- Class B insulation

#### Features:

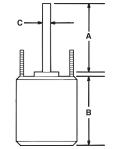
- Up/down design
- · Thru bolt or band mounting
- · All angle sleeve bearings
- · Water slinger on shaft
- · Serrated end cap on shaft end only
- · For air conditioning or heat pumps
- · Full six inch shaft length with two full flats at 90°
- Reversible rotation
- · 48 inch leads
- For accessories see pages M-44 M-46

### **Reversible Rotation**

| MARS<br>NO. | GE NO.<br>5KCP39 |     | HP VOLTS | AMPS RPM | -       | . CAP    | DIMENSIONS |      |     |  |
|-------------|------------------|-----|----------|----------|---------|----------|------------|------|-----|--|
|             |                  | ΠP  |          |          | RPIN    | REQ      | Α          | В    | С   |  |
| 1075 RPN    | I - Single       | Spe | ed - Sta | ndard    | Efficie | ency - 6 | Pole       |      |     |  |
| 03727       | DGS375S          | 1/6 | 208-230  | 1.0      | 1075    | 5/370    | 6.0        | 4.71 | 1/2 |  |
| 03730       | PGS618S          | 1/2 | 208-230  | 3.5      | 1075    | 10/370   | 6.0        | 6.50 | 1/2 |  |

# ⇒genteq





# Shaft-Up Outdoor Condenser Fan Motors

GE outdoor condenser fan motors for vertical shaft-up applications are also suitable for horizontal mounting. GE vertical shaft-up outdoor condenser fan motors are designed for 60°C ambient temperature. Add MARS No. 08105 resilient rings to base mount.

GE commercial 460 volt outdoor condenser fan motors are designed for 70° C ambient so lower operating temperatures = improved life and reliability.

#### Features:

- · Reversible rotation
- Thru bolt or band mounting
- Water slinger on shaft
- Serrated end caps on vertical shaft-up models
- Full six inch shaft length
- For accessories see pages M-44 – M-46

#### Specifications:

- Class B insulation
- · Single phase, 60/50 Hertz
- Automatic thermal overload protected
- Fan duty, continuous, air over
- 26 inch leads shaft-up, 46 inch leads all angle
- · Lead end endshield open construction

#### **Reversible Rotation**

| MARS   | GE NO.     | HP     | VOLTS   | AMPS RPM | CAP  | DIMENSIONS |     |      |     |  |  |
|--|------------|--------|---------|----------|------|------------|-----|------|-----|--|--|
| NO.  | 5KCP39     | nr     | VULIS   |          | REIN | REQ.       | Α   | В    | С   |  |  |
| 1075 RPM - Shaft-Up - Single Speed - Sleeve Bearings - |            |        |         |          |      |            |     |      |     |  |  |
| Standard   | Efficiency | - 6 Po | ole     |          |      |            |     |      |     |  |  |
| 03329(1)(2)  | HGP698S    | 1/3    | 208-230 | 2.4      | 1075 | 7.5/370    | 6.0 | 5.31 | 1/2 |  |  |

| 1075 RPM - 460V - Single Speed - All Angle Ball Bearing - 6 Pole |         |     |         |     |      |         |     |      |     |  |  |
|--|---------|-----|---------|-----|------|---------|-----|------|-----|--|--|
| 03331 <sup>(1)(2)</sup>  | PFM210S | 3/4 | 208-230 | 5.1 | 1075 | 10/370  | 6.0 | 6.06 | 1/2 |  |  |
| 03330(1)(2)  | MGK209S | 1/2 | 208-230 | 3.6 | 1075 | 10/370  | 6.0 | 6.60 | 1/2 |  |  |
| 00023  |         | 1/0 | 200 200 | 2.7 | 10/0 | 1.0/010 | 0.0 | 0.01 | 1/2 |  |  |

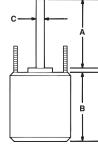
| 10/0141                  | 4000    | oingic | opeca |     | igic D | an Dearn | ig v | 1 010 |     |
|--------------------------|---------|--------|-------|-----|--------|----------|------|-------|-----|
| 03737 <sup>(1)(3)*</sup> | NGU724S | 1/3    | 460   | 1.2 | 1075   | 7.5/370  | 6.0  | 5.30  | 1/2 |
| 03738(1)(3)*             | RGU723S | 1/2    | 460   | 1.7 | 1075   | 10/370   | 6.0  | 5.80  | 1/2 |
| 03739(1)(3)*             | SGU725S | 3/4    | 460   | 2.0 | 1075   | 15/370   | 6.0  | 6.50  | 1/2 |

(1) 60 Hertz only

(2) Class A Insulation

(3) Rheem shell mtg. holes

\* Heat Shield





\* Heat Shield

GENTEQ

# **Direct Drive Blower Motors**

# 5KCP39 PSC 460 Volt Motors

# **Ball Bearing**

#### Features:

- Energy \$aver<sup>®</sup>
  For use in air
- moving applications460 volt, 2-speed
- All angle
- · Extended thru bolts
- Capacitor included
- 08105 for cradle mount, serrated end caps
- For accessories see pages M-44 – M-46

#### Specifications:

- Single phase, 60/50 Hz
- · Overload protection
- Fan duty, continuous, air over
- · Enclosed shell, open end shields
- · 26 inch leads
- Class A insulation

# 1075 RPM – Reversible Rotation - 6 Pole

| MARS  | GE NO.   |     | VOLTS | CAP.  |             | DIMENSIONS |      |     | BASE  |
|-------|----------|-----|-------|-------|-------------|------------|------|-----|-------|
| NO.   | 5KCP39   | ΠP  | VULIS | AIMP5 | (FURNISHED) | Α          | В    | С   | NO.   |
| 03290 | PGC520ET | 3/4 | 460   | 2.1   | 15/370      | 6.0        | 6.31 | 1/2 | 08060 |



⇒genteq

# PSC Direct Drive Blower Motors

These GE 5KCP39 PSC motors are designed for use as direct drive furnace blower motors. All are three speed, high efficiency, Energy \$aver® models and are electrically reversible. Motors have 2-1/4 inch resilient rings for base mounting. Four (4) split rings included if 2-1/2 inch diameter is required. Bases are sold separately.

### Features:

- All angle sleeve bearings
- 3 speeds
- 1/2 inch extended thru bolts
- Ring kit allows 2-1/4 inch & 2-1/2 inch resilient ring mounting
- Reversible rotation
- 4 inch long, 1/2 inch diameter shaft
- For accessories see pages M-44 – M-46

#### Specifications:

- · Single phase, 60/50 Hertz
- Overload protection
- · Fan duty, continuous, air over
- Open construction
- 26 inch leads
- Class B insulation

# Reversible Rotation — Energy \$aver®

| MARS<br>NO.                                    | GE NO.<br>5KCP39 | HP  | VOLTS   | AMPS | CAP.<br>REQ. | DI<br>A | MENSIONS<br>B | C   | BASE<br>NO. |
|--|------------------|-----|---------|------|--------------|---------|---------------|-----|-------------|
| 1625 RPM <sup>(1)</sup> — Three Speed - 4 Pole |                  |     |         |      |              |         |               |     |             |
| 03999  | PGE416T          | 3/4 | 208-230 | 4.0  | 7.5/370      | 4.0     | 6.14          | 1/2 | 08060       |

# 1075 RPM — Reversible Rotation - Standard Efficiency - 6

| MARS                 | GE NO.                     | HP  | VOLTS   | AMPS    | CAP.   | D   | IMENSIONS | -   | BASE  |  |  |
|----------------------|----------------------------|-----|---------|---------|--------|-----|-----------|-----|-------|--|--|
| NO.                  | 5KCP39                     |     | VOLIS   | AINIF 3 | REQ.   | Α   | В         | С   | NO.   |  |  |
| Three S              | Three Speed <sup>(1)</sup> |     |         |         |        |     |           |     |       |  |  |
| 03583(2)             | FGN651T                    | 1/4 | 115     | 4.2     | 5/370  | 4.0 | 4.89      | 1/2 | 08055 |  |  |
| 03586(2)             | JGN654T                    | 1/3 | 208-230 | 2.9     | 5/370  | 4.0 | 5.14      | 1/2 | 08056 |  |  |
| 03587(2)             | PGN655T                    | 1/2 | 115     | 9.0     | 5/370  | 4.0 | 6.14      | 1/2 | 08060 |  |  |
| 03588(2)             | NGN656T                    | 1/2 | 208-230 | 4.3     | 5/370  | 4.0 | 5.89      | 1/2 | NA    |  |  |
| 03595 <sup>(2)</sup> | SGL854S                    | 1   | 115     | 11.8    | 20/370 | 4.0 | 6.90      | 1/2 | 08060 |  |  |
| 03596(2)             | SGL853S                    | 1   | 208-230 | 5.59    | 15/370 | 4.0 | 6.90      | 1/2 | 08060 |  |  |
| Two Sp               | eed <sup>(3)</sup>         |     |         |         |        |     |           |     |       |  |  |
| 03383(2)             | FGM421S                    | 1/4 | 115     | 4.2     | 5/370  | 4.0 | 4.89      | 1/2 | 08055 |  |  |
| 03387                | PGM438S                    | 1/2 | 115     | 9.0     | 5/370  | 4.0 | 6.14      | 1/2 | 08060 |  |  |
| 03389                | PGN091T                    | 3/4 | 115     | 10.3    | 15/370 | 4.0 | 6.14      | 1/2 | 08060 |  |  |

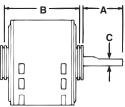
 $^{(1)}\ensuremath{\mathsf{Approximately}}\xspace$  150RPM differential between speeds depending on fan load

(2) 60 Hz only

(3) Approximately 300RPM differential between speeds depending on fan load



⇒genteq





M-42



# Direct Drive Blower Motors / Double Shaft Fan Motors

### 5KCP39 PSC Torsion **Flex Mount Motors**

GE torsion-flex mount motors are designed for direct drive furnace blower applications. The unique torsion- flex mounting speeds installation while the special steel of the torsion-flex bracket absorbs vibration for quieter operation. All models are electrically reversible, 3-speed motors of high efficiency Energy \$aver® design.

#### Features:

- Energy \$aver<sup>®</sup>
- All angle sleeve bearings •
- 3-Speed 1075/925/775 RPM(1)
- Torsion-flex mounting, grommets and sleeves included
- . 5.0 inch long, 1/2 inch diameter shaft
- Reversible rotation

#### Specifications:

- Class A insulation
- Single phase, 60/50 Hertz
- Overload protection
- Fan duty, continuous, air over
- Open construction
- 26 inch leads

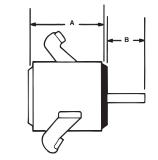
# 1075 RPM<sup>(1)</sup> — Three Speed – Reversible Rotation - 6 Pole

| MARS     | GE NO.  | HP  | VOLTS   | AMPS   | CAP.    | DIME | NSIONS | BLOWER |
|----------|---------|-----|---------|--------|---------|------|--------|--------|
| NO.      | 5KCP39  | nr  | VOLIS   | AIVIPS | REQ.    | А    | В      | SIZE   |
| 03785(2) | LGP732S | 1/3 | 115     | 4.9    | 7.5/370 | 5.0  | 4.98   | 9 in.  |
| 03786    | JGP733S | 1/3 | 208-230 | 2.5    | 5/370   | 5.0  | 4.73   | 9 in.  |
| 03787    | PGP734S | 1/2 | 115     | 7.3    | 10/370  | 5.0  | 5.48   | 10 in. |

(1) Approximately 150RPM differential between speeds depending on fan load (2) 60 Hz only







#### **PSC Motors Replace** 5KCP32 & 5KCP38

#### Features:

- Energy \$aver<sup>®</sup>
- Replace GE 5KCP32-38
- All angle sleeve bearings
- Two-speed, 1075/775 RPM(2) double shaft
- Extended thru bolts, base included, plus 4 split rings
- 14 inch leads
- For accessories see pages M-44 - M-46

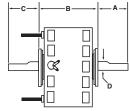
#### Specifications:

- · Single phase, 60/50 Hertz
- Open construction •
- . Overload protected
- Fan duty, continuous, air over •
- 3 inch shaft height when base mounted



5<sup>1</sup>/<sub>2</sub> inch dia.

⇒genteq



#### 1075/775 RPM<sup>(1)</sup>

| MARS     | GE NO.<br>5KCP | μр  | VOLTS   | AMDS   | ROT | CAP.  |      | DIMEN | SIONS |     |
|----------|----------------|-----|---------|--------|-----|-------|------|-------|-------|-----|
| NO.      | 5KCP           |     | VOLIS   | AIVIPS | LE  | REQ.  | Α    | В     | С     | D   |
| 03092(2) | 39NGD369T      | 1/2 | 208-230 | 3.8    | CCW | 5/370 | 8.00 | 6.46  | 8.50  | 1/2 |

(1) Approximately 300 RPM differential between speeds depending on fan load (2) 60 Hertz only

# 5KCP39 PSC Double **Shaft Motors**



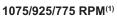
- · All angle sleeve bearings
- 3 speed, 1075/925/775 RPM
- · Extended thru bolts

Features:

- Base mount using mounting kit 08095 and appropriate base
- Double 1/2 inch diameter shafts
- · For accessories see pages M-44 - M-46

#### Specifications:

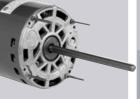
- Single phase, 60/50 Hertz
- · Overload protected
  - · Fan duty, continuous, air over
- · Open construction
- Requires 5 mfd, 370 volt capacitor (MARS No. 12005)
- 14 inch numbered leads



| MARS  | GE NO.<br>5KCP39 | HP VOLTS    |        | RPM <sup>(1)</sup> | ROT DIMENSIONS |      |      |      | BASE |       |
|-------|------------------|-------------|--------|--------------------|----------------|------|------|------|------|-------|
| NO.   | 5KCP39           | HP VULIS    | AIVIPS | KFWP7              | LE             | Α    | В    | С    | D    | NO.   |
| 03696 | NGA407T          | 1/2 208-230 | 3.5    | 1075/975/775       | CCW            | 7.50 | 5.25 | 7.25 | 1/2  | 08060 |

(1) Approximately 150 RPM differential between speeds depending on fan load





**GE Commercial Motors** 

By Regal-Beloit



# **Motor Accessories**

# **GE TECMate Pro**<sup>™</sup> Service Tool

The Tecmate Pro<sup>™</sup> Service Tool, MARS stock #08500 is the latest advance in ECM technology developed by and for Genteq Motors. The Tecmate allows the service technician to analyze a Genteq ECM motor independently of the HVAC system in which it is installed. The Tecmate can test all the basic settings of a Genteq ECM motor, and can detect and isolate motor failures from HVAC system failures.

Compact

MA 80

Easy To Use



⇒genteq

| RS NO. | DESCRIPTION                  |
|--------|------------------------------|
| 8500   | TECMate Pro ECM Motor Tester |

# **Broad Ocean ECM Motor Tester** (Digimotor Test Tool)

Save time and money with the Broad Ocean ECM Motor Tester

· Isolates any issues to either the motor or the control board and the control wiring

NOTE: This tool is for Broad Ocean OEM Digi-Motors only. This tool is not compatible with Azure<sup>®</sup>.

#### **Kit Contents:**

Broad Ocean ECM Tool Type A test Connector (Furnaces, AH & Packaged) Type B Test Connector (Packaged Units) Type C Test Connector (Air Handlers) Type D Test Connector (Outdoor Condenser Fan Motors)

| MARS NO. | DESCRIPTION                  | MARS<br>PACK |
|----------|------------------------------|--------------|
| 08503    | Broad Ocean ECM Motor Tester | 1            |

# **ECM Protectors**

#### **Saves Equipment**

ECM protectors plug into existing motor connectors or plugs. They help to protect these valuable motors from voltage spikes, surges, and transients that often damage them.

#### Fast Installation

These protectors simply plug in between the motor connector and the existing wiring harness. A ground strap with a ring

terminal is provided for additional protection.

#### **Protect Your Investment**

The most common cause of ECM motor failure is damage to the electronics module as a result of poorly conditioned incoming power.

| MARS<br>NO. | USED ON              | MARS<br>PACK |
|-------------|----------------------|--------------|
| 08552       | GE X-13 ECM          | 1            |
| 08553       | OEM ECM Applications | 1            |

# **ECM Repair Kit**

**Repairs many ECM motor** modules that have been damaged by voltage problems and power surges

- · Full instructions included in kit
- Kit includes OCPD device and helpful circuit board releaser tool
- Using the kit requires a soldering gun or iron and rosin core solder

ECM's have \*Over Current Protection Devices that are designed to keep excessive power from damaging other system components. Frequently, only this part needs replacement to restore an expensive ECM to an operation condition.

Not every ECM module can be repaired. Because of this, the repair kit is not guaranteed to fix every motor-but because of the motor's high cost vs. the repair kit's low cost- it's often worth the effort.

| MARS<br>NO. | DESCRIPTION    | MARS<br>PACK |
|-------------|----------------|--------------|
| 08551       | ECM Repair Kit | 1            |





08553

08552







Toll Free (800) 445-4155 • Fax (631) 348-7160 www.marsdelivers.com



