Refrigeration Fan Motors

ARKTIC™ 59
Ball Bearing

The Morrill ARKTIC 59 motor is primarily used in the evaporator of commercial refrigeration walk-in coolers and freezers, but can be used in any application demanding high efficiency and dependability with output ratings up to 50 watts. The ARKTIC 59 significantly outperforms both shaded pole and PSC technology with efficiencies three times higher than shaded pole motors and 40% higher than PSC. In addition to the reliable design, the ARKTIC 59 provides users the ease of drop-in replacement and extraordinary energy savings for their applications.

Features:
- Universal “Drop-In” replacement for walk-in evaporator applications
- Totally enclosed, non-vented
- Shaft water slinger
- Standard thru-bolt configuration
- All angle mount
- Power cord with lyall plug

Specifications:
- Automatic torque variation, constant speed
- Low temp (-20º F) lubrication system
- 50/60 Hz
- 1 Discrete speed
- CUL (CE & VDE pending) UL file # E306123
- Thermally protected

1550 RPM - Front Or Rear Thru-Bolt Mount

MARS NO. MFG MODEL SSME59 NOMINAL HP VOLTS AMPS OSE ROT DIMENSIONS A B C
05104 BVA1036 1/15 115 1.1 CW 2.61 3.36 5/16
05105 BVA1038 1/15 115 1.1 CCW 2.61 3.36 5/16
05204 BVA2037 1/15 208-230 0.63 CW 2.61 3.36 5/16
05205 BVA2039 1/15 208-230 0.63 CCW 2.61 3.36 5/16

ARKTIC™ 142
Ball Bearing

The ARKTIC 142 Series of ECM’s manufactured by Morrill, offers significant energy savings over traditional PSC or shaded pole designs. ARKTIC 142 ECM’s can be applied in condenser or evaporator applications requiring 1/5 or 1/3 HP output at 1050 RPM.

Applications:
Designed for condenser and evaporator fans for walk-in refrigerators, walk-in freezers and similar applications.

Features:
- Three phase drive, NEMA 48FR BLDC motor; TEAO
- 77% Motor efficiency @ 1050 RPM full load
- Regulated speed; +/-6% full scale
- -40 Deg C to 55 Deg C Amb.
- 1/2” Diameter, single flat shaft ext. up to 6.0”
- Totally enclosed, non-vented (air-over ECM required)
- Shaft water slinger
- 26” cord set attached to motor
- Horizontal-vertical down orientation desired
- RoHS compliant
- 60/50 Hz

1050 RPM

MARS NO. MFG MODEL SSME59 NOMINAL HP VOLTS AMPS OSE ROT DIMENSIONS A B C
03604 DLHE044 1/5 115 4.6 CW 3.92 5.45 1/2
03605 DLHE053 1/5 208-230 1.9-2.8 CW 3.92 5.45 1/2
03606 DLHE052 1/3 115 5.8 CCW 3.92 5.95 1/2
03607 DLHE043 1/3 208-230 2.6-3.5 CCW 3.92 5.95 1/2

MARS NO. DESCRIPTION MARS PACK
08040 Krack Refrigeration Retrofit Bracket Kit 1
Tyler Refrigeration OEM Direct Replacement Refrigeration Motors

Features:
• Universal 5 hole rear mount
• Dual mounting pads

EM&S PSC Type Replacement For GE

Features:
• Drop-in replacement
• Single phase PSC
• Fan duty, continuous, air over
• Low temp oil
• Reliable unit bearing
• Internal capacitor

Hussmann OEM Direct Replacement Refrigeration Motors

Features:
• Cast iron construction
• Universal 5 hole rear mount
• Dual mounting pads

Copeland OEM Direct Replacement Refrigeration Motors

Features:
• Single speed
• Cast iron
• Single foot pad, horizontal only
• Automatic thermal protection