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AEHH8P, NEMA PREMIUM [NP_G]

Effective 07-08-18 Supercedes 03-24-17



APPLICATIONS:



■ Pumps

■ Compressors

■ HVAC Equipment

The AEGIS® SGR Bearing Protection Ring aids in preventing electrical bearing "fluting"damage by safely diverting harmful shaft voltages and bearing currents to ground. Using proprietary Electron Transport Technology™, the conductive microfibers inside the AEGIS® SGR provide reliable current diversion technology for shaft grounding with a "path of least resistance" to dramatically extend motor life. **AEGIS® Shaft Grounding Rings have a warranty of 1 year.**

FEATURES:

■ Output Range: 1 - 75 HP

■ Speed: 3600, 1800 & 1200 RPM

■ Enclosure: Totally Enclosed Fan Cooled (IP54)

■ Voltage: 230/460V (Usable on 208V)

■ Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)

■ Grounding Ring Factory Installed Externally on NDE Bracket for F# 143T - 286T; Internally on NDE for F# 284TS - 405T

■ Class F Insulation

■ Class B Temperature Rise

■ NEMA Design B Torques as a Minimum; Various Ratings also Meet Design C

Cast Iron Frame and End Brackets; Rolled Steel Fan Cover and Main Conduit Box

■ Grounding Terminal Inside Main Conduit Box

■ Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted

■ Designed for 40°C Ambient Temperature⁽²⁾

■ Designed for 3300 ft. Elevation⁽³⁾

■ Bi-Directional Rotation

■ 1045 Carbon Steel Shaft

■ Aluminum Die Cast Squirrel Cage Rotor Construction

■ Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat

■ Paint Color: Dark Gray - Munsell 7.5B 3.5/0.5

■ Double Shielded Bearings Pre-Packed with MULTEMP SRL for F# 140T - 280T (Non-regreasable)

■ High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex[™] EM for F# 280TS and Larger

■ Automatic Grease Discharge Fittings on Regreasable Models

■ Labyrinth Type Metal Flinger on Both Ends for F# 280TS and Larger

■ Cast Iron Inner and Outer Bearing Caps for F#280TS and Larger

■ Stainless Steel Nameplate

■ New Dual Column Design Nameplate as Standard (60/50 Hz)

■ Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2^(4,5)

■ Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque

■ 9 Leads for 5 HP and Smaller;

■ 12 Leads for 7.5 HP to 75 HP;

■ Motors are U.L. Recognized, CSA Approved and CE Marked

■ Dual Drilled Feet Available on Most Ratings - Longer Frames (i.e. 145T Drilled also for 143T)

■ Provisions for Breather Drains for Vertical Mount Down (F# 324T and Larger)

■ Rubber Dust Flinger on Drive-End for F# 140T - 280T

EXTRAS/OPTIONS:

Please refer to pages 147 - 154 for common modifications that can be performed.

Notes:

(1) Motors 7.5 HP & up are suitable for Wye/Delta Starting.

- (2) Consult a Stock Product Application Specialist for suitability in higher ambient environments.
- (3) Consult a Stock Product Application Specialist for suitability at higher elevations.

(4) Motor service factor is 1.0 when operated on a VFD.

(5) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1. Part 31.

(6) AEGIS® SGR Bearing Protection Ring can not be used in Hazardous Locations (e.g. Class I, Div. 2, etc.)

