

**TYPE: AEHH8P - NEMA PREMIUM
AEGIS SHAFT GROUND RING INSTALLED**

EFFECTIVE:01-01-2015

EXPIRES:UFN

**APPLICATIONS:**

- Fans & Blowers
- Pumps
- Compressors
- HVAC Equipment

The AEGIS® SGR Bearing Protection Ring prevents 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 the most reliable current diversion technology for shaft grounding with a "path of least resistance" to dramatically extend motor life.

FEATURES:

- 1 - 75 HP
- 3600, 1800, 1200 RPM
- Totally Enclosed Fan Cooled (IP54)
- Meets or Exceeds NEMA Premium Efficiency Levels
- Department of Energy Efficiency Certificate # CC002A
- 36 Month Warranty from Date of Manufacture
- 60 Hz - 230/460V (Usable on 208V).
- 1.15 Service Factor - Continuous
- 50 Hz Data on Nameplate - 190/380V at 1.0 S.F.
- Class F Insulation with Phenolic Alkyd Resin Varnish - 2 Dips and Bakes
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum, Design C motors are denoted with a subscript "C"
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - Fully Gasketed F1 Mounted. F2 Available - See "EXTRAS/OPTIONS" Below
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- Bi-Directional Rotation
- Cast Iron Frame, End Brackets, Pressed Steel Fan Cover and Conduit Box
- Dual Drilled Feet - Longer Frames (i.e. 145T Drilled also for 143T)
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue Gray - Munsell 7.5 BG 3.5/.05
- Vacuum De-Gassed Re-Greasable Ball Bearings Frames 280TS-400T/TS with Polyrex EM Grease
- Double Shielded Bearings on Frames 140T-280T Pre-Packed with MULTEMP SRL Grease
- Automatic Grease Discharge Fittings on Frames with Re-Greasable Motors
- Labyrinth Type Metal Flinger on Both Ends for Frames 280TS-400T/TS
- Cast Iron Inner and Outer Bearing Caps for Frames 280TS-400T/TS
- Rubber Flinger on Drive-End for Frames 140T - 280T
- Grounding Terminal Inside Main Box
- Stainless Steel Nameplate
- Inverter Duty Magnet Wire Capable of Withstanding Voltage Spikes of up to 2200 Volts
- Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG1 Part 30.
- Speed Ranges: 20:1 VT, 10:1 CT
- 9 Leads - 5 Hp and Below, 12 Leads 7.5 HP - 75HP
- CE Mark on Nameplate, U.L. Recognized and CSA Approved

EXTRAS / OPTIONS:

Please refer to Factory Modification Tabs which show common modifications that can be performed.

NOTES:

- (1) Please consult factory for suitability in higher ambients.
- (2) Please consult factory for suitability in higher elevations.
- (3) Motor service factor is 1.0 when operated on a VFD.