

# ROLLED STEEL TEFC



TYPE: AEGH - NEMA PREMIUM

EFFECTIVE:01-01-2015

AEGIS SHAFT GROUND RING INSTALLED

EXPIRES:UFN



## APPLICATIONS:

- Fans & Blowers
- Pumps
- Compressors
- HVAC Equipment

The AEGIS<sup>®</sup> 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<sup>™</sup>, the conductive microfibers<sup>™</sup> inside the AEGIS<sup>®</sup> SGR provide the most reliable current diversion technology for shaft grounding with a "path of least resistance" to dramatically extend motor life.

## FEATURES:

- 1 - 10 HP
- 3600, 1800, 1200 RPM
- Totally Enclosed Fan Cooled Enclosure (IP44)
- 36 Month Warranty from Date of Manufacture
- Meets or exceeds NEMA Premium Efficiency Levels
- 60 Hz - 230/460V (Usable on 200 & 208V)
- 1.15 Service Factor - Continuous
- Class F Insulation with Phenolic Alkyd Resin Varnish
- Class B Temperature Rise
- NEMA Design B Torques
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted.
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- Bi-Directional Rotation
- Rolled Steel Frame, Fan Cover, and Conduit Box
- Cast Iron End Brackets
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue - Munsell 5PB 3/8
- Double Shielded Bearings Pre-Packed with MULTEMP SRL Grease
- 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 31.4.4.3. **Aegis SGR included.**
- Speed Ranges: 20:1 VT, 10:1 CT
- 9 Leads 5HP and below, 12 Leads for 7.5 HP and larger

## 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.