



MODEL: GLOBAL TEFC
TYPE: AFHG

Effective 04-04-17
Supercedes All Previous

APPLICATIONS

- Fans & Blowers
- Compressors
- Pumps

PRODUCT OVERVIEW

- 150-2000HP
- 60Hz, 2300V/4000V
- 3600, 1800, 1200 & 900 RPM
- Totally Enclosed IP55 Design
- Horizontal F1 Mount
- NEMA Premium Efficiency

DESIGN FEATURES

- 1.15 S.F. Sine Wave Power
- Class F Insulation
- Class B Temperature Rise
- Max Elevation 3300ft
- Continuous Duty
- NEMA Design B
- 40°C Ambient

MECHANICAL FEATURES

- Open Bearings with Regreaseable Provisions
- Insulated NDE Bearing
- Polyrex EM Grease
- Dynamically Balanced Copper/Copper Alloy Rotor Construction
- Cast-Iron Frame, and End Brackets
- Fabricated Steel Conduit Box, Gasketed, F1 Mounting
- Fabricated Steel Fan Cover
- Aluminum Fan 4, 6 & 8 Pole; Non-Sparking Plastic Fan 2 Pole
- Number of Leads: 6
- Solderless Lug Terminals on All Leads
- Grounding Terminal Inside Main Terminal Box and 2 Per Side on Frame
- Paint System: Phenolic Rust Proof Base with Polyurethane Top Coat
- Stainless Steel Nameplate
- 1045 Carbon Steel Shaft Material
- Labyrinth Type Steel Flinger on Both Ends
- Mica Insulated Form Wound Windings With Complete VPI Treatment
- Bi-Directional Rotation Except 3600RPM Motors
- Winding RTD's, Space Heaters and Provisions for Bearing RTD's
- Vibration Probe Mounting Provisions

OTHER FEATURES

- CSA Certified for Class I, Division 2, Groups B, C & D and Class I, Zone 2, Groups IIB+H2, IIB & IIA
- CSA Certified for Class II, Division 2, Groups F & G
- Suitable for Across the Line or Reduced Voltage Starting
- *Suitable for use on a VFD (Please Contact TWMI for Speed Ranges)

* Precautions should be taken to eliminate or reduce voltage spikes and shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG1, Part 31.4.4.