



MODEL: GLOBAL XPE
TYPE: AEHG_TK, AEJH_TK

Effective 05-01-18
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 (250-500HP)

DESIGN FEATURES

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

MECHANICAL FEATURES

- Anti-friction Bearings with Regreaseable Provisions
- Insulated NDE Bearing on 3600RPM Motors, 600HP and Larger
- Polyrex EM Grease
- Copper/Copper Alloy Rotor
- Cast-Iron Frame and End Brackets
- Fabricated Steel Conduit Box and Fan Cover
- Aluminum Fan
- Number of Leads: 6
- Solderless Lug Terminals on All Leads
- Grounding Terminal Inside Main Terminal Box and 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
- Form Wound Windings With Complete VPI Treatment
- Bi-Directional Rotation Except 3600RPM Motors CW View from NDE
- Winding RTD's, Space Heaters and Provisions for Bearing RTD's

OTHER FEATURES

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

* Please contact your TWMI representative for availability of certified motors.

** 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.