



MODEL: GLOBAL XHP
TYPE: AFHP

NEMA
Premium



Effective 02-09-23
Supercedes All Previous

APPLICATIONS

- Fans & Blowers
- Compressors
- Pumps

PRODUCT OVERVIEW

- 200-2000 HP
- 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 Bearings
- Polyrex EM Grease
- Copper/Copper Alloy or Aluminum Rotor
- Cast-Iron Frame and End Brackets
- Fabricated Steel Conduit Box
- Fabricated Steel Fan Cover
- Class II Porous Drain Plugs
- Number of Leads: 6
- Steel Flinger on Both Ends Interchangeable with Inpro Seals
- Paint System: Epoxy Resin Primer with Polyurethane Resin Enamel Top Coat
- Aluminum Fan Except 2 Pole Motors Which are Reinforced Plastic
- Vibration Sensor on Both Ends
- Vibration Level per IEEE Std 841 (0.08 IPS or less)
- Foot flatness per IEEE Std 841
- Test Report Provided with Motor per IEEE Std 841
- Solderless Lug Terminals on All Leads
- Stainless Steel Nameplate & Hardware
- 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 Which are CCW From NDE
- Winding RTD's, Space Heaters and Provisions for Bearing RTD's
- Grounding Terminal Inside Main Terminal Box and on Frame
- Interchangeable F1 and F2 mounting, F3 Available

OTHER FEATURES

- CSA Certified for Class I, Division 2, Groups A, B, C & D (Class I, Zone 2, Groups IIB+H2, IIB & IIA)
- CSA Certified for Class II, Division 2, Groups F & G (Class I, Zone 2, Groups IIB+H2, IIB & IIA)
- Suitable for Across the Line or Reduced Voltage Starting
- *Speed Ranges 3:1 CT, and 10:1 VT at SF 1.0
- *Factory Certified 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.