GLOBAL XPE

AEHGTK, TEFC, NEMA PREMIUM, MEDIUM VOLTAGE (100 HP - 900 HP)[KG]
AEJHTK, TEFC, IEC, HIGH EFFICIENCY, MEDIUM VOLTAGE (800 HP - 2000 HP)[JH]

Effective 07-08-18
Supercedes 03-24-17


APPLICATIONS:

- Pumps
- Mills
- Fans & Blowers
- Grinders
- Compressors

FEATURES:

- Output Range: 100 - 2000 HP
- Speed: 3600, 1800, 1200 & 900 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP55)
- Voltage: 2300/4160V
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous)
- CSA Certified for Class I, Div. 2, for 5000 Frames and above
- CSA Certified for Class 1, Div. 2, Groups B, C, and D, for 444 Frames and above, Code T3(5)
- Standard Features: 100 Ohm Platinum Stator RTD's (2/Phase), Space Heaters (120V)
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Oversized Main Conduit Box Rotatable in 90 Degree Increments Fully Gasketed with NPT Threaded Entrance - F1 Mounted
- Cast Iron Terminal Box on 444T - 449T Frames
- Steel Plate Terminal Box on 5000 Frames and Above
- Designed for 40˚C Ambient Temperature(1)
- Designed for 3300 ft. Elevation(2)
- Bi-Directional Rotation for all 444T - 449T Frames and for 1800 - 900RPM (4 - 8 Pole) 5007 - 6808 Frame Motors and for (4-8 Pole) 5007-6808 Frame Motors
- 5007 - 6808 Frame 3600 RPM (2 Pole) Motors have Counter-Clockwise (CCW) Rotation facing the Drive End
- Cast Iron Frame and End Brackets
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction on 444T - 449T Frames
- Squirrel Cage Copper or Copper Alloy Bar Rotor Construction for on 5007 - 6808 Frames
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Dark Gray - Munsell 7.5B 3.5/0.5
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM
- Labyrinth Type Metal Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps
- Grounding Terminal Inside Main Box and on Motor Foot
- Stainless Steel Nameplate
- 6 Leads, with Solderless Lug Terminals
- Motors are CSA Approved
- Suitable for Inverter Use per NEMA MG-1.4.4.2, Part 31(3,4,5)

EXTRAS/ OPTIONS:

Please refer to the modifications document for common modifications that can be performed.

Notes:

(1) Consult a Stock Product Application Specialist for suitability in higher ambient environments, and for variable and constant torque speed ranges.
(2) Consult a Stock Product Application Specialist for suitability at higher elevations.
(3) Motor service factor is 1.0 when operated on a VFD.
(4) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1. Part 31. An isolation transformer or other method of mitigating common mode voltages from motor terminals must be utilized. Please check out our accompanying TEAMMaster™ starters.
(5) Consult Stock Product Specialist for various temp codes on what ratings.