

GLOBAL-PLUS TEFC NEMA PREMIUM EFFICIENCY

TYPE AEHGTK



Effective 08-01-06
Supersedes 08-22-05



APPLICATIONS:

- Pumps
- Fans & Blowers
- Compressors

FEATURES:

- 150 - 900 HP
- 3600, 1800, 1200, 900 RPM
- Totally Enclosed Fan Cooled (IP54 Rating)
- NEMA Premium Efficient Design (up to 500 HP, 1200 RPM)
- 36 Month Warranty from Date of Manufacture
- 3 Phase, 60 Hz, 2300 / 4160V
- Standard with 120V Space Heaters Terminated in Separate Auxiliary Box
- Standard with 100 Ohm Platinum Stator RTDs, 2 per Phase, Terminated in Separate Auxiliary Box
- Factory Self Certified for Class I, Division II, Groups B, C, D, T3B - Note (1)
- 1.15 Service Factor – Continuous
- Class F Thermalastic® Epoxy Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Oversized Main Conduit Box Rotatable in 90 Degree Increments – Fully Gasketed with NPT Threaded Entrances - F1 Mounted.
- Designed for 40°C Ambient Temperature - Note (2)
- Designed for 3300 ft. Elevation - Note (3)
- Bi-Directional Rotation Except 2 Pole Motors which are Unidirectional CCW Facing the Drive-End.
See EXTRAS / OPTIONS Below if CW Rotation is Required.
- Cast Iron Frame, End Bells, and Conduit Box
- Rolled Steel Fan Cover
- 1045 Carbon Steel Shaft
- Copper / Copper Alloy Rotor Construction with the Exception of 5000 Frame 900 RPM Motors which have Die Cast Aluminum
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue Gray – Munsell 7.5BG 4/2
- Vacuum De-Gassed Regreasable Ball Bearings Using Polyrex EM Grease
- Labyrinth Type Metal Grease Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps
- Grounding Terminal Inside Main Box and on Motor Foot
- Stainless Steel Nameplate
- Suitable for Use on a VFD - Notes (4)(5)(6)(7)
- 6 Leads
- Motors are CSA Approved

Notes:

- (1) Please see modifications section if auxiliary nameplate stating this info is required.
- (2) Please consult factory for suitability in higher ambients.
- (3) Please consult factory for suitability in higher elevations.
- (4) Service factor is 1.0 when motor is used on a VFD.
- (5) An isolation transformer or other method of mitigating common mode voltages from motor terminals must be utilized.
- (6) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD.
- (7) Please contact TWMC for variable and constant torque speed ranges.