

TEXP HE HIGH EFFICIENCY EXPLOSION PROOF FAMILY

TYPE AEHHXU, AEHHXF, AEVHXF



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



APPLICATIONS:

- Grain Elevators
- Pumps
- Blowers
- Applications Where Explosive Gases are Present
- Applications Where Explosive Dusts / Grains are Present

FEATURES:

- 1 - 150 HP – Foot Mounted
- 1 - 30 HP – Foot Mounted with C-Flange or Round Body with C-Flange
- 3600, 1800, 1200 RPM
- Totally Enclosed Fan Cooled - Explosion Proof (IP55 Rating)
- UL and CSA Listed for Class I, Division I, Group D and Class II, Groups E, F, G, Temp Code T2D/T3B
- UL File #: E84757
- CSA File #: 64671
- High Efficient Design
- Meets or Exceeds EPCACT Efficiency Levels
- Department of Energy Efficiency Certification # CC002A
- 36 Month Warranty from Date of Manufacture
- 60 Hz - 230/460V (Usable on 208V). 150 HP is 460V Only
- 1.15 Service Factor – Continuous
- Class F Insulation with Phenolic Alkyd Resin Varnish
- Standard with Klixon 9700K Temp. Limiting Switch, 1 per Phase
- 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
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- Bi-Directional Rotation
- Cast Iron Frame, Fan Cover, End Bells, and Main Conduit Box. Capable of Withstanding Explosion Force as Required by UL.
- Stainless Steel Breather Drains with Bronze Filters
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Dark Blue – Munsell 5PB 4.5/2
- Vacuum De-Gassed Regreasable Ball (or Roller) Bearings on Frames 280TS-445T/TS Using Polyrex EM Grease
- Double Shielded Bearings on Frames 140T-280T Pre-Packed with MULTEMP SRL Grease
- Brass Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps for Frames 280TS-445T/TS
- Grounding Terminal Inside Main Box
- Stainless Steel Nameplate
- UL Listed for Inverter Duty - Note (3)
- Speed Ranges: 10:1 VT. Please Contact TWMC for CT Speed Range.
- 9 Leads for 5 HP and Below, 12 Leads for 7.5 HP to 125 HP, 6 Leads for 150 HP

Notes:

- (1) Please consult factory for suitability in higher ambients.
- (2) Please consult factory for suitability in higher elevations.
- (3) Motor service factor is 1.0 when operated on a VFD.
- (4) Extras/options are limited on TEXP products.