TEXP NEMA PREMIUM EXPLOSION PROOF FAMILY

TYPE AEHHXU, AEHHXF, AEUHXF



Effective 08-01-11 Supercedes 12-01-09



APPLICATIONS:

Grain Elevators

- Pumps
- Blowers

- Applications Where Explosive Gases are Present
- Applications Where Explosive Dusts/ Grains are Present

FEATURES:

I 1 - 150 hp	
■ 1 - 100 hp – Foot Mounted with C-Flange or 1 - 75 hp Rou	nd Body with C-Flange
■ 3600, 1800, 1200 RPM	, 3
Toally Enclosed Fan Cooled - Explosion Proof (IP55 Rating)	
UL and CSA Listed for Class I, Division I, Group D and Class	
UL File #: E84757	
CSA File #: 64671	
NEMA Premium Efficient Design	
Meets or Exceeds EPAct Efficiency Levels on the Round Bo	dy C-Face Design
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 Temperature Limiting Switch,	1 per Phase
Class B Temperature Rise	L
NEMA Design B Torques	
	ments – Fully Gasketed with NPT Threaded Entrance – F1 Mounted.
Designed for 40°C Ambient Temperature - Note (1)	,
Designed for 3300 ft. Elevation - Note (2)	
Bidirectional Rotation	
Cast Iron Frame, Fan Cover, End Bells, and Main Conduit B	ox. 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 o	n Frames 280TS - 445T/ TS Using Polyrex EM Grease
Double Shielded Bearings on Frames 140T-280T Pre-Packe	ed 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)	
Inverter Duty Magnet Wire Capable of Withstanding Volta	
Speed Ranges: VT = 3 - 60 Hz CT for 250 - 320 frames = 13 - 60 Hz	CT for 140 - 210 frames = 10 - 60 Hz. CT for 360 - 440 frames = 16 - 60 Hz
9 Leads for 5 hp and Below, 12 Leads for 7.5 hp to 125 hp,	
Precautions should be taken to eliminate or reduce shaft of VFD as stated per NEMA MG1, Part 31.4.4.3.	

EXTRAS/ OPTIONS:

Please <u>click here</u> for a list of common modifications that can be performed.

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.

TECO Westinghouse