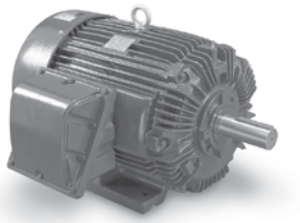
OPTIM® TEXP

FEATURES



MODEL: *OPTIM® TEXP*
TYPE: *AEHHXU, AEHHXF, AEHHXV*

Effective 02-09-23
Supercedes All Previous

APPLICATIONS

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

PRODUCT OVERVIEW

- 1-400 HP
- Horizontal F1 Mount
- 60Hz, 230V/460V, 460V or 575V
- 3600, 1800, 1200 & 900 RPM
- NEMA Premium Efficiency
- Totally Enclosed Fan Cooled - Explosion Proof Design

DESIGN FEATURES

- 1.15 S.F. Sine Wave Power; 1.0 S.F. VFD Power
- Continuous Duty
- Class F Insulation
- NEMA Design B or C
- 40˚C Ambient
- Max Elevation 3300ft

MECHANICAL FEATURES

- Shielded Ball Bearings Frames 140T-280T and Open Bearings with Regreaseable Provisions Frames 280TS, 320T and Larger
- Polyrex EM Grease in all Regreaseable Bearings, Multemp SRL Grease in Shielded Bearings
- Aluminum Rotor up to 449T Frames; Copper/Copper Alloy 5000 and Larger
- Cast-Iron Frame, Fan Cover and End Brackets
- Frame Provided with Two Threaded Drain Holes and Stainless Steel Breather Drains
- Cast-Iron Frame, Fan Cover, Conduit Box and End Brackets
- Non-Sparking Plastic or Aluminum Fan
- Number of Leads 230/460V: 9 Leads 1-5 HP; 12 Leads 7.5-125 HP; 6 Leads 150 HP and Larger
- Number of Leads 575V: 3 Leads
- Solderless Lug Terminals on All Leads
- Grounding Terminal Inside Main Terminal Box
- Interchangeable F1 and F2 Mounting up to 449T
- Paint System: Phenolic Rust Proof Base with Lacquer Top Coat
- Stainless Steel Nameplate
- Brass Flinger on Both Ends
- *HPE™ High Pulse Endurance Spike Resistant Wire
- Phenolic Alkyd Resin Varnish
- Klixon 9700K Thermostats – 1 per phase

OTHER FEATURES

- CSA/UL Certified for Class I, Division 1, Groups **C & D (Class I, Zone 1 Groups **IIB & IIA); and Class II, Division 1, Groups E, F & G
- *Speed Ranges up to 10:1 CT, and 20:1 VT. Refer to data sheet for rating specific turn down ratios
- *Meets NEMA MG1 Part 31.4.4.2

* 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.

** Up to 256T