

OPTIM[®] TEXP



PRODUCT OVERVIEW (TYPE AEHHXU)

- 1-150HP
- 60Hz, 230V/460V (Usable on 208V), 460V or 575V
- 3600, 1800 & 1200 RPM
- Totally Enclosed Fan Cooled - Explosion Proof Design (IP54)
- Horizontal F1 Mount
- NEMA Premium Efficiency

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
- Class B Temperature Rise
- 40°C Ambient
- Max Elevation 3300ft

MECHANICAL FEATURES

- Oversized, Double Shielded Vacuum Degassed 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 Sealed Bearings
- Dynamically Balanced Die-Cast Aluminum Rotor
- Cast-Iron Frame, Fan Cover and End Brackets
- Frame Provided with Two Threaded Drain Holes and Stainless Steel Breather Drains
- Cast-Iron Conduit Box is 90 Degree Rotatable, Oversized
- Non-Sparking Plastic Fan
- Number of Leads 230/460V: 9 Leads 1-5HP; 12 Leads 7.5-125HP; 6 Leads 150HP
- Number of Leads 575V: 3 Leads
- Solderless Lug Terminals on All Leads
- Grounding Terminal Inside Main Terminal Box
- Interchangeable F1 and F2 mounting
- 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, Group D and Class I, Zone 1 Groups IIA; and Class II, Division 1, Groups E, F and G; Temp Code T3B
 - *CSA Inverter Duty Speed Range Includes 5:1 CT / 20:1 VT for 140-180T Frames; 10:1 CT / 20:1 VT for 210-440T Frames
 - *UL Inverter Duty Speed Range Includes 6:1 CT / 20:1 VT for 140-210T Frames; 4.6:1 CT / 20:1 VT for 250-320T Frames and 3.75:1 CT / 20:1VT for 360-440T Frames
 - *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.

