

**TYPE AEHH8P**
 Effective 05-01-13  
 Supersedes 08-01-11
**APPLICATIONS:**

- |                  |               |
|------------------|---------------|
| ■ Fans & Blowers | ■ Compressors |
| ■ Pumps          | ■ Mixers      |
| ■ Crushers       | ■ Conveyors   |

**FEATURES:**

- 1 - 200 hp
- 3600, 1800, 1200 RPM
- Totally Enclosed Fan Cooled (IP54 Rating)
- Meets or Exceeds NEMA Premium Efficiency Levels
- Department of Energy Efficiency Certificate #CC002A
- 36 Month Warranty from Date of Manufacture
- 60 Hz – 230/ 460V (Usable on 208V). 150 hp and Larger is 460V Only
- 1.15 Service Factor – Continuous
- 50 Hz Data on Nameplate - 190/ 380V at 1.0 S.F. 150 hp and Larger is 380V Only at 1.0 S.F.
- Class F Insulation with Phenolic Alkyd Resin Varnish – 2 Dips and Bakes
- Class B Temperature Rise
- Oversized Main Conduit Box Rotatable in 90 Degree Increments – Fully Gasketed F1 Mounted. F2 Available - See EXTRAS/OPTIONS Below
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- Factory Self Certified for Class 1, Div. 2, Groups B, C, D; Temp Code T3C, 400T and Below - Note (3)
- Bidirectional Rotation
- Cast Iron Frame, End Brackets, Pressed Steel Fan Cover and Conduit Box
- Dual Drilled Feet - Longer Frames (i.e. 145T Drilled also for 143T)
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue Gray – Munsell 7.5 BG 3.5/ .05
- Vacuum De-Gassed Re-Greasable Bearings for Frames 280TS-449T/TS with Polyrex EM Grease
- Double Shielded Bearings on Frames 140T-280T Pre-Packed with MULTEMP SRL Grease
- Automatic Grease Discharge on Frames on Re-Greaseable Motors
- Labyrinth Type Metal Flinger on Both Ends for Frames 280TS-449T/TS
- Cast Iron Inner and Outer Bearing Caps for Frames 280TS-449T/TS
- Rubber Flinger on Drive-End for Frames 140T - 280T
- Grounding Terminal Inside Main Box
- Stainless Steel Nameplate
- Inverter Duty Magnet Wire Capable of Withstanding Voltage Spikes of Up to 2200 Volts
- **Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG1 Part 31.4.4.3.**
- Speed Ranges: 20:1 VT, 10:1 CT
- VFD Rated per NEMA MG1, Part 31.4.4.2.
- 9 Leads - 5 hp and Below, 12 Leads 7.5 hp - 125 hp, 6 Leads - 150 hp and Larger
- CE Mark on Nameplate, U.L. Recognized and CSA Approved

**EXTRAS/ OPTIONS:**

Please refer to the modifications document on our web site 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) Factory self-certified for 440T/TS frames requires fan change. Please see modifications section.  
There is an additional charge for Division II Nameplate - See modifications section.
- (4) Motor service factor is 1.0 when operated on a VFD.