



Effective 05-01-18  
Supercedes All Previous

**MODEL:** ADVANTAGE PLUS IEEE READY

**TYPE:** AEHH8R

### APPLICATIONS

- Fans & Blowers
- Compressors
- Any Severe Duty / Petro-Chemical / Pulp & Paper Applications
- Pumps
- Mixers
- Class II Applications Such as Sawmills
- Crushers
- Conveyors

### PRODUCT OVERVIEW

- 1-100HP
- 3600, 1800, 1200 & 900RPM
- Horizontal F1 Mount
- 60Hz, 460V or 575V
- Totally Enclosed IP55 Design
- NEMA Premium Efficiency

### DESIGN FEATURES

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

### MECHANICAL FEATURES

- C3 Clearance Open Bearings with Regreaseable Provisions
- Polyrex EM Grease
- Aluminum Rotor
- Cast-Iron Frame and End Brackets
- Cast-Iron Conduit Box
- Non-Sparking Plastic Fan
- Number of Leads 460V/575V: 3 Leads; Solderless Lug Terminals on All Leads
- Grounding Terminal Inside Main Terminal Box and Provisions for Grounding Terminal on Motor Frame
- Interchangeable F1 and F2 mounting
- Dual Drilled Feet for Longer Frames (i.e. 145T also Drilled for 143T)
- Paint System: Zinc Chromate Epoxy Primer, Phenolic Rust Proof Base with Lacquer Top Coat
- Stainless Steel Hardware, Breather Drains and Nameplate
- Rubber Flinger on DE up to 280T; Copper Flinger on Both Ends 280TS and Larger
- \*HPE™ High Pulse Endurance Spike Resistant Wire
- 2 Dips Phenolic Alkyd Resin Varnish with Moisture Resistant Varnish
- Bi-Directional Rotation

### OTHER FEATURES

- CSA Certified for Class I, Division 2, Groups B, C & D (Class I, Zone 2, Groups IIB+H2, IIB and IIA)
- CSA Certified for Class II, Division 2, Groups F & G (Zone 22, Groups IIIA & IIIB)
- \*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.