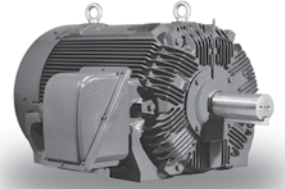


MAX-HT

FEATURES



MODEL: MAX-HT
TYPE: AEEAGD, AEHHGD

Effective 02-09-23
Supercedes All Previous

APPLICATIONS

- Crushers
- Ball Mills/ Rolling Mills
- Impactors
- Any High Torque Application
- Chippers/ Shredders

PRODUCT OVERVIEW

- 1-600 HP
- 60Hz, 230/460V, 460V or 575V
- 1800, 1200 & 900 RPM
- Totally Enclosed IP55 Design
- Horizontal F1 Mount
- NEMA Premium Efficiency (1-500HP)

DESIGN FEATURES

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

MECHANICAL FEATURES

- Shielded Bearings Frames 140T-280T and Open Bearings with Regreaseable Provisions Frames 320T and Larger
- Polyrex EM Grease in all Regreaseable Bearings, Multemp SRL Grease in Shielded Bearings
- Aluminum Rotor
- Cast-Iron Frame and End Brackets; Fabricated Steel Fan Cover
- Cast-Iron Conduit Box up to 449 Frames; Fabricated Steel Conduit Box 5000 Frames and Larger
- Non-Sparking Plastic Fan up to 449T; Aluminum Fan 5000 Frames and Larger but Cast Iron Fan for 4P
- Number of Leads 230/460V: 9 Leads 1-5 HP; 12 Leads 7.5-125 HP; 460V: 6 Leads; 575V: 6 Leads
- Solderless Lug Terminals on All Leads
- Grounding Terminal Inside Main Terminal Box, Additional Grounding Terminal on Frame for 5000 Frames and Larger
- High Strength AISI 4140 Shaft Material with Radius Step-Down Shaft Shoulder
- Locknut and Washer on NDE for Vertical Shaft Down Applications 440 Frames and Larger
- Interchangeable F1 and F2 mounting up to 449T
- Dual Drilled Feet for Longer Frames (i.e. 145T also Drilled for 143T) 449T and Below
- Gamma Seal on DE up to 400T; Steel Flinger on Both Ends 440T and Larger
- *HPE™ High Pulse Endurance Spike Resistant Wire
- Epoxy Rust Proof Base Plus Polyurethane Top Coat
- Thermistors – 1 per Phase, Terminated in Auxiliary Box up to 449T
- Winding RTD's, Space Heaters and Provisions for Bearing RTD's Standard 5000 Frames and Larger
- Bi-directional Rotation
- Stainless Steel Nameplate

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 Div.2 Group F & G (Class II, Zone 22, Group IIIA, IIIB) 440 Frames and Larger
- *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.

** AEHHGD Motors Only