

# MAX-HT™

## TYPE AEEAGD



Effective 12-01-09  
Supercedes 12-01-08



### APPLICATIONS:

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

### FEATURES:

- 200 - 600 hp
- 1800, 1200, 900 RPM
- Totally Enclosed Fan Cooled (IP55 Rating)
- Standard Efficient Design
- 36 Month Warranty from Date of Manufacture
- 60 Hz – 460V Only
- Standard With Thermistors (PTC 140°C), 1 per Phase, Wired to a Separate Auxiliary Box
- 1.15 Service Factor – Continuous
- Class F Insulation with Phenolic Alkyd Resin Varnish – 2 Dips and Bakes
- Class B Temperature Rise
- NEMA Design C Torques -  $\geq 200\%$  Starting Torque,  $\geq 250\%$  Breakdown Torque
- Oversized Main Conduit Box Rotatable in 90 Degree Increments – Fully Gasketed with 2 – 3" NPT Threaded Entrances - F1 Mounted.
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- Bi-Directional Rotation
- Cast Iron Frame, End Bells, and Conduit Box
- Rolled Steel Fan Cover
- High Strength 4140 AISI Steel Shaft
- Locknut and Washer on NDE for Vertical Shaft Down Applications
- Drain Holes/ Plugs on Both End Brackets for Vertical Applications
- Threaded One Way Breather Drains for Horizontal Applications
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue Gray – Munsell 7.5GB 4/ 2
- Vacuum De-Gassed Regreasable Bearings Using Polyrex EM Grease
- Roller Bearing On Drive-End – NU320 or Larger
- Labyrinth Type Metal Grease Flinger on Both Ends
- Rubber Dust Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps
- Grounding Terminal Inside Main Box and on Motor Foot
- Stainless Steel Nameplate
- VFD Rated per NEMA MG1, Part 30 - Note (4)
- Speed Ranges: 4:1 VT, 2:1 CT
- 6 Leads
- Motors are CSA Approved

### EXTRAS/ OPTIONS:

Please [click here](#) 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) Motor service factor is 1.0 when operated on a VFD.
- (4) Maximum lead length is 150 feet with a carrier frequency of 3 kHz. Addition of output reactor or filter may allow for increased carrier frequency. Please contact TWMC if lead length and carrier frequency surpass these values.