

GLOBAL-HD WPI, MEDIUM VOLTAGE



TYPE: ASHA - ENERGY EFFICIENT

Effective 06-14-15
Supersedes 05-01-13



APPLICATIONS:

- | | | |
|---------|------------------|---------------|
| ■ Pumps | ■ Fans & Blowers | ■ Compressors |
|---------|------------------|---------------|

FEATURES:

- 100 - 1250 HP
- 3600, 1800, 1200, 900 RPM Normally in Stock. Slower Speeds Available on Special Order.
- Weather Protected Type I Enclosure (IP23 rating)
- Energy Efficiency Design
- 36 Month Warranty from Date of Manufacture
- 60 Hz, 2300/ 4160V
- Standard with 120V Space Heaters Terminated in Separate Auxiliary Box
- Standard with 100 Ohm Platinum Stator RTDs, 2 per Phase, Terminated in Separate Auxiliary Box
- 1.15 Service Factor – Continuous
- Class F Insulation with VPI Treatment of Solventless Epoxy Varnish
- Class B Temperature Rise
- NEMA Design B Torques
- Oversized Fabricated Steel Main Conduit Box Rotatable in 90 Degree Increments – Fully Gasketed with NPT Threaded Entrances - F1 Mounted.
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- Bi-Directional Rotation Except 2 Pole Motors, 5000 Frame and Larger, which are Unidirectional CCW Facing the Drive-End. See EXTRAS/ OPTIONS Below if CW Rotation is Required.
- Cast Iron Frame and End Brackets
- 1045 Carbon Steel Shaft
- Copper/ Copper Alloy Rotor Construction for Frames 5800 - 6800. Aluminum Die-Cast Rotor Construction for All Others
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Dark Gray – Munsell 7.5BG 4/2
- Vacuum De-Gassed Re-greasable Ball Bearings Using Polyrex EM Grease
- Insulated Non-Drive End Bearing on 3600 RPM Motors, 600 HP and Larger
- Labyrinth Type Metal Grease Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps
- Grounding Terminal Inside Main Box and on Motor Foot
- Stainless Steel Nameplate
- Suitable for Use on a VFD - Notes (3), (4), (5), & (6)
- 6 Leads
- Motors are CSA Approved
- **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.**

EXTRAS/ OPTIONS:

Please refer to the modifications document on our web site for 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) Service factor is 1.0 when motor is used on a VFD.
- (4) An isolation transformer or other method of mitigating common mode voltages from motor terminals must be utilized.
- (5) Please contact TWMC for variable and constant torque speed ranges.
- (6) **Please refer to page 162 to check out our accompanying TEAMMaster™ starters.**