



### APPLICATIONS:

- Pumps
- Fans & Blowers
- Compressors

### FEATURES:

- Output Range: 100 - 2000 HP
- Speed: 3600, 1800, 1200 & 900 RPM<sup>(1)</sup>
- Enclosure: Weather Protected Type I (WPI)
- Voltage: 2300/4000V
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous)
- Standard Features: 100 Ohm Platinum Stator RTD's (2 per Phase), Space Heaters (120V)
- Standard Features: Pre-Drilled & Plugged Bearing Bracket for 100 Ohm Platinum Bearing RTD's on 5000 Frames & Above
- Standard Features: Pre-Drilled & Spot Faced on Top of End Bracket for Vibration Detectors on 5000 Frames and Above
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Oversized Main Conduit Box Rotatable in 90 Degree Increments Fully Gasketed with NPT Threaded Entrance - F1 Mounted
- Designed for 40°C Ambient Temperature<sup>(2)</sup>
- Designed for 3300 ft. Elevation<sup>(3)</sup>
- Rotation: F#447-449: Bi-Directional. F#5000-5813: Bi-Directional. 2 Pole Motors F# 5000 or Larger are Uni-Directional, Counter-Clockwise (CCW) facing the Drive End
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction for F#449T and Below
- Squirrel Cage Copper or Copper Alloy Bar Rotor Construction for F#5000 and Larger
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Dark Gray - Munsell 7.5B 3.5/0.5
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM
- Insulated Non-Drive End Bearing on 3600 RPM Motors; 600 HP and Larger
- Labyrinth Type Metal 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 Inverter Use per NEMA MG-1 Part 31.4.4.2<sup>(4,5)</sup>
- 6 Leads
- Motors are CSA Approved
- 2 Pole Motors 600 HP and Larger are Form Wound and Insulated Non-Drive End Bearing.

### EXTRAS/ OPTIONS:

Please refer to pages 147 - 154 for common modifications that can be performed.

### Notes:

- (1) Slower speeds available as Made to Order.
- (2) Consult a Stock Product Application Specialist for suitability in higher ambient environments, and for variable and constant torque speed ranges.
- (3) Consult a Stock Product Application Specialist for suitability at higher elevations.
- (4) Motor service factor is 1.0 when operated on a VFD.
- (5) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1, Part 31. An isolation transformer or other method of mitigating common mode voltages from motor terminals must be utilized. Please refer to page 209 to check out our accompanying TEAMMaster™ starters.