

**APPLICATIONS:**

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| ■ Fans & Blowers | ■ Compressors |
| ■ Pumps | ■ Mixers |
| ■ Crushers | ■ Conveyors |

FEATURES:

- 1 - 200 HP
- 3600, 1800, 1200 RPM
- Totally Enclosed Fan Cooled (IP54 Rating)
- Meets or Exceeds NEMA Premium Efficiency Levels
- Department of Energy Efficiency Certificate #CC002A
- 36 Month Warranty from Date of Manufacture
- 60 Hz – 230/ 460V (Usable on 208V). 150 HP and Larger is 460V Only
- 1.15 Service Factor – Continuous
- 50 Hz Data on Nameplate - 190/ 380V at 1.0 S.F. 150 HP and Larger is 380V Only at 1.0 S.F.
- Class F Insulation with Phenolic Alkyd Resin Varnish – 2 Dips and Bakes
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum, Design C motors are denoted with a subscript "C"
- Oversized Main Conduit Box Rotatable in 90 Degree Increments – Fully Gasketed F1 Mounted. F2 Available - See EXTRAS/OPTIONS Below
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- CSA Certified for Class 1, Div. 2, Groups B, C, D; Temp Code T3C, 440T and Below
- Bi-Directional Rotation
- Cast Iron Frame, End Brackets, Pressed Steel Fan Cover and Conduit Box
- Dual Drilled Feet - Longer Frames (i.e. 145T Drilled also for 143T)
- Provisions for Breather Drains for Vertical Mount, Plugged
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue Gray – Munsell 7.5 BG 3.5/ .05
- Vacuum De-Gassed Re-Greasable Bearings for Frames 280TS-449T/TS with Polyrex EM Grease
- Double Shielded Bearings on Frames 140T-280T Pre-Packed with MULTEMP SRL Grease
- Automatic Grease Discharge on Frames on Re-Greaseable Motors
- Labyrinth Type Metal Flinger on Both Ends for Frames 280TS-449T/TS
- Cast Iron Inner and Outer Bearing Caps for Frames 280TS-449T/TS
- Rubber Flinger on Drive-End for Frames 140T - 280T
- Grounding Terminal Inside Main Box
- Stainless Steel Nameplate
- Inverter Duty Magnet Wire Capable of Withstanding Voltage Spikes of Up to 2200 Volts
- **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.**
- Speed Ranges: 20:1 VT, 10:1 CT
- 9 Leads - 5 HP and Below, 12 Leads 7.5 HP - 125 HP, 6 Leads - 150 HP and Larger
- CE Mark on Nameplate, U.L. Recognized and CSA Approved

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) Motor service factor is 1.0 when operated on a VFD.