

# MAX-SE™ FAMILY

TYPE AEEANE, AEEANECF, AEVANE



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



## APPLICATIONS:

- Fans & Blowers
- Pumps
- Crushers
- Compressors
- Mixers
- Conveyors

## FEATURES:

- 1 - 200 hp - Horizontal Mount
- 1 - 100 hp - Foot Mounted with C-Flange or Round Body C-Flange
- 3600, 1800, 1200 RPM
- Totally Enclosed Fan Cooled (IP54 Rating)
- Meets or Exceeds EPAct Efficiency Levels
- Department of Energy Efficiency Certification #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
- Class B Temperature Rise
- NEMA Design C Torques 20 hp and Above, 4 and 6 Pole Speed – NEMA Design B for All Other Ratings
- Oversized Main Conduit Box Rotatable in 90 Degree Increments – Fully Gasketed with NPT Threaded Entrance - F1 Mounted. F2 Available – See EXTRAS/ OPTIONS Below
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- Factory Self-Certified for Class I, Division II, Groups B, C, D, Temp Code T3C, 400T and Below - Note (3)
- Bi-Directional Rotation
- Cast Iron Frame, End Bells, and Main Conduit Box
- Dual Drilled Feet – Longer Frames (i.e. 145T Drilled Also for 143T)
- Rolled Steel Fan Cover, 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 4/ 2
- Vacuum De-Gassed Regreasable Ball Bearings on Frames 280TS-449T/ TS Using Polyrex EM Grease
- Double Shielded Bearings on Frames 140T-280T Pre-Packed with MULTEMP SRL Grease
- Automatic Grease Discharge Fitting on Re-Greasable Motors
- Labyrinth Type Metal Flinger on Both Ends for Frames 280TS to 449T/ TS
- Rubber Flinger on Drive-End for Frames 140T to 280T
- Grounding Terminal Inside Main Box
- Stainless Steel Nameplate
- VFD Rated per NEMA MG1, Part 30 - Note (4) and (5)
- Speed Ranges: 10:1 VT, 5:1 CT
- 9 Leads - 5 hp and Below, 12 Leads - 7.5 hp to 125 hp, 6 Leads - 150 hp and Larger
- Marks are UL Recognized, CSA Approved, and CE Marked

## 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) Factory self-certification for 440T/ TS frames requires fan change. Please see modifications section. There is an additional charge for Division II nameplates.
- (4) Motor service factor is 1.0 when operated on a VFD.
- (5) 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.