

CLOSED COUPLED PUMP JP/JM



TYPE: AEEAJP, AEEAJM - EPACT

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



APPLICATIONS:

- Pumps

FEATURES:

- 3/4 - 50 HP
- 3600, 1800, 1200 RPM
- Totally Enclosed Fan Cooled (IP54)
- JP and JM Shaft Configurations
- Meets or Exceeds EPAct Efficiency Levels and EISA Legislation
- Department of Energy Efficiency Certificate # CC002A
- 36 Month Warranty from Date of Manufacture
- 60 Hz - 230/ 460V (Usable on 208V)
- 1.15 Service Factor – Continuous
- 50 Hz Data on Nameplate - 190/ 380V at 1.0 S.F.
- Class F Insulation with Phenolic Alkyd Resin Varnish
- 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. 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 1, Div. 2, Groups B, C, D; Temp Code T3C, 400T and Below - Note (3)
- Bi-Directional Rotation
- Cast Iron Frame, End Brackets, Main Conduit Box and 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: Dark Gray – Munsell 7.5 BG 4/2
- Vacuum De-Gassed Re-Greasable Bearings Frames 324JM/JP ~ 365JM/JP with Polyrex EM Grease
- Double Shielded Bearings on Frames 140JM/JP ~ 280JM/JP Pre-Packed with MULTEMP SRL Grease
- Labyrinth Type Metal Flinger on Both Ends for Frames 324JM/JP ~ 365JM/JP
- Cast Iron Inner and Outer Bearing Caps for Frames 324JM/JP ~ 365JM/JP
- Rubber Flinger on Drive-End for Frames 140JM/JP ~ 280JM/JP
- 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 Larger
- CE Mark on Nameplate, 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 30.**

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) Factory self-certified for 440T/TS frames requires fan change. Please see modifications section. There is an additional charge for Division II Nameplate - See modifications section.
- (4) Motor service factor is 1.0 when operated on a VFD.
- (5) Maximum lead length is 150 feet with a carrier frequency of 3kHz. Addition of output reactor or filter may allow for increased carrier frequency. Please consult TWMC if lead length and carrier frequency surpass these values.