

MV MAX-E2™ / 841 LITE



**AFHP, TEFC, NEMA PREMIUM EFFICIENCY, MEDIUM VOLTAGE [KPF]
200 HP - 2000 HP**

APPLICATIONS:

- | | | |
|------------------|---------------|----------------------------|
| ■ Fans & Blowers | ■ Compressors | ■ Severe Duty/Petro-Chem |
| ■ Pumps | ■ Mixers | ■ Pulp & Paper Application |
| ■ Crushers | ■ Conveyors | |

FEATURES:

- Output Range: 200 - 2000 HP
- Speed: 3600, 1800, 1200 & 900 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP55)
- Voltage: 2300/4000V
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous)
- CSA Certified for Class I, Div. 2, Group A, B, C, D - Temp Code T2B Minimum
- CSA Certified for Class II, Div. 2, Group F & G - T3C Minimum
- Standard Features: Provisions for Bearing RTD's, 100 Ohm Platinum Stator RTD's(2/Phase), Space Heaters(120V)
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Oversized Fabricated Steel-Main Conduit Box Rotatable in 90 Degree Increments Fully Gasketed with NPT Threaded Entrance - F1 Mounted, Field Convertible to F2 and F3
- Designed for 40°C Ambient Temperature¹
- Designed for 3300 ft. Elevation²
- Bi-Directional Rotation; except 2 Pole which is Counter-Clockwise (CCW) facing the Drive End
- Cast Iron Frame and End Brackets
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction or Copper Bar Rotor Construction
- Paint System: 2 Part Epoxy
- Paint Color: Dark Gray - Munsell 7.5B 3.5/0.5
- IEEE 841 Ready
- Grounding Terminal Inside Main Conduit Box with additional Foot Grounding Provision
- Test Report with Vibration Data Shipped with motor
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM
- Bronze Metal Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps
- Grounding Terminal Inside Main Box and on Motor Foot
- Stainless Steel Nameplate and Hardware
- Stainless Steel Breather Drain
- Vibration Not to Exceed 0.08 Inches Per Second
- Noise Level Not to Exceed 85 dB(A) at 1 Meter Unloaded
- 6 Leads, with Solderless Lug Terminals
- Motors are CSA Approved
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2^(3,4)
- Inverter Duty Speed Range: 10:1 Variable Torque, 3:1 Constant Torque
- Spotface ¼ -28UNF Tap x 12mm Deep on Top of Both End Brackets with VB300 Vibration Sensor

EXTRAS / OPTIONS:

Please refer to pages 149-154 for common modifications that can be performed.

Notes:

1. Consult a Stock Product Application Specialist for suitability in higher ambient environments, and for variable and constant torque speed ranges.
2. Consult a Stock Product Application Specialist for suitability at higher elevations.
3. Motor service factor is 1.0 when operated on a VFD.
4. 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 XXX to check out our accompanying TeamMaster TM starters.