MAX-E2/841® FAMILY

AEHBB, NEMA PREMIUM [HB]
AEHBBBCF, NEMA PREMIUM, FOOTED C-FACE (1 HP - 100 HP) [HB-C]
AEUHBBDC, NEMA PREMIUM, ROUND BODY C-FACE (1 HP - 100 HP) [HBV-C]

APPLICATIONS:
- Fans & Blowers
- Pumps
- Crushers
- Compressors
- Mixers
- Conveyors
- Severe Duty/ Petro-Chem
- Pulp & Paper Application
- Marine Duty

FEATURES:
- Output Range: 1 - 500 HP
- Speed: 3600, 1800, 1200 & 900 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP56)
- Voltage: 460V Only
- Meets GM 7E-TA Specifications
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)
- CSA Certified for Class I, Div. 2, Groups B, C, D - Temp Code T3 Minimum
- CSA Certified for Class II, Div. 2, Groups F & G - Temp Code T3 Minimum (Frame 444T and Above)
- Meets or Exceeds IEEE 841 Standards
- Meets IEEE 45 Marine Duty and ABS Design Assessment up to 500 HP (2,4,6 pole only)
- Extended Warranty - 60 Months from Date of Manufacture
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum; Various Ratings also Meet Design C
- Cast Iron Frame, End Brackets & Fan Cover and Main Conduit Box
- Grounding Terminal Inside Main Conduit Box with additional Foot Grounding Provision
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 50°C Ambient Temperature
- Designed for 3300 ft. Elevation
- Bi-Directional Rotation; Except 2 Pole "Hybrid" and F# 5000 and Larger Ratings are Counter-Clockwise facing the DE
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction for F# 140T - 449T
- Copper/Copper Alloy Rotor Construction for F# 5000 and Larger
- Paint System: 2 Part Epoxy
- Paint Color: Blue - Munsell SPB 3/8
- High Quality Ball (or Roller) Bearings Regreaseable with Mobil Polyrex™ EM
- Automatic Grease Discharge Fittings for Horizontal or Vertical Mounting
- VBXX INPRO™ Seals are IP66 Rated and are Installed on Both Ends
- Stainless Steel Nameplate and Hardware
- Stainless Steel Automatic Breather Drain
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Use per NEMA MG-1 Part 3.1.4.2
- Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque (350 HP and Larger are 3:1 Constant Torque)
- Motors are U.L. Recognized, CSA Approved
- 3 Leads Only
- Dual Drilled Feet Available on Most Ratings - Larger Frames (i.e. 14ST Drilled also for 143T)
- Vibration Not to Exceed 0.08 Inches Per Second
- Noise Level Not to Exceed 85 dB(A) at 1 Meter Unloaded

EXTRAS/ OPTIONS:

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

Notes:
(1) TWMC carries minimal MAX-E2* 575V stock; please check availability to ensure required motors are available.
(2) Ratings may be available from our Canadian Warehouses at a higher price or from our factory with a longer lead time. Pricing and lead time may vary.
(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.
(6) Catalog# HB3502 & HB3504 are “Hybrid” ratings; Not CSA Certified (Self-Certify Only) for hazardous locations, and not dual drilled.
(7) Catalog# HB3006 also not CSA Certified for hazardous locations (Self-Certify Only).
(8) F# 5000 and with Larger with Pressed Steel Plate Main Conduit Box.
(9) F# 5007 - 5011 8 Pole Ratings are Aluminum Die Cast Squirrel Cage Rotor Construction.
(10) Contact Application Engineering for ABS Motor Pricing
(11) To convert to IP66 the M31 modification will be required. To convert to IP66 the M31 modification will be required.

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