MAX-PE® VERTICAL ROUND BODY SOLID SHAFT NORMAL THRUST with "P" BASE - LOW VOLTAGE

AEUH8PDP, NEMA PREMIUM, ROUND BODY [NPV_P]

Effective 07-08-18
Supercedes 03-24-17

APPLICATIONS:

- Centrifugal Pumps
- Petro-Chemical
- Water/Wastewater
- Pulp and Paper

FEATURES:

- Output Range: 15 - 200 HP
- Speed: 3600, 1800 & 1200 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP54)
- Voltage: 230/460V (Usable on 208V)(1)
- 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
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Cast Iron Frame, End Brackets, Fan Cover, Drip Cover and Main Conduit Box
- Rolled Steel, Fan Cover, Drip Cover and Main Conduit Box
- Grounding Terminal Inside Main Conduit Box
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 40˚C Ambient Temperature(2)
- Designed for 3300 ft. Elevation(3)
- Bi-Directional Rotation
- 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 7.5B 3.5/0.5
- Guide Bearings: 250HP - 449HP Frames are Single Shielded
- Thrust Bearings: 250HP - 449HP Frames are Re-Greasable Angular Contact with Mobil Polyrex™ EM
- Automatic Grease Discharge Fittings on Regreasable Motors
- Labyrinth Type Metal Flinger on Both Ends for Frames 320 HP & Larger
- Cast Iron Inner and Outer Bearing Caps for Frames 280 & Larger
- Stainless Steel Nameplate
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Duty (PWM - Pulse Width Modulation) per NEMA MG-1, Part 31(4,5)
- Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque
- 12 Leads
- Dust Flinger on Drive-End for F# 140 HP - 280 HP
- NEMA Type P Base

EXTRAS/ OPTIONS:

Please refer to the modifications document for common modifications that can be performed.

Notes:

(1) Motors 7.5 HP & up are Suitable for Wye/Delta Starting.
(2) Consult a Stock Product Application Specialist for suitability in higher ambient environments.
(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) HP Shaft is same as VP shaft dimensions per NEMA MG-1.