VERTICAL HOLLOW SHAFT TEFC HIGH THRUST with "P" BASE - MEDIUM VOLTAGE

NEMA CC CCOOZA SU SE CE

AEHCNH, NEMA PREMIUM [VHKTP]

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



APPLICATIONS:

Deep Well Turbine Pumps	■ Irrigation	■ Water/Wastewater
FEATURES:		
Output Range: 200 - 700 HP		
Speed: 1800 & 1200 RPM		
Enclosure: Totally Enclosed Fan Co	oled (IP54)	
Voltage: 2300/4000V		
Motors Suitable for Reduced Starting Voltage		
Three Phase, 60 Hz, 1.15 Service Factor (Continuous on Sine Wave Power)		
Inverter Duty (PWM) per NEMA [®] MG-1 Part 31 at 1.0 Service Factor		
Standard Features: Coupling w/ Gib Key, Non-Sparking Ball Type NRR, Drip/Splash Cover, Space Heaters (120V)		
5000 Frames and Above also include Mounting Provisions for bearing RTD's and Insulated Bearing Housing		
CSA Certified for Class I, Div. 2, Groups B,C, D; Temp Code T3 minimum		
Class F Insulation with VPI Epoxy 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		
Steel Plate Conduit Box with Threaded Connection Opening(s)		
Designed for 40°C Ambient Temperature ⁽¹⁾		
Designed for 3300 ft. Elevation ⁽²⁾ Occurring the second seco		
Oversized Angular Contact or Spherical Thrust Bearing Installed Countered admine (CCM) Retetion Viewad form Ten		
Counterclockwise (CCW) Rotation; Viewed from Top		
Cast Iron Frame & End Brackets		
1045 Hollow Carbon Steel Shaft	Datar Construction for F	#440TD
 Aluminum Die Cast Squirrel Cage Rotor Construction for F#449TP Squirrel Cage Copper or Copper Alloy Bar Rotor Construction for F#5000 and Above 		
 Squirrer Cage Copper of Copper Anoy Bar Rotor Construction for F#3000 and Above Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat 		
Paint Color: Blue - Munsell 5PB 3/8		
■ Vacuum De-Gassed Re-Greasable Ball Bearings Frames -5007TP & Up with Mobil Polyrex [™] EM Grease		
I Guide Bearings: 324TP - 5810P Frames are Re-Greasable with Mobil Polyrex [™] EM Grease		
Thrust Bearings: 449 - 5810P Frames are Oil Lubricated Angular Contact or Spherical Thrust Bearing with Site Glass		
 Oil Requirements for 444TP - 5810 		
Grease Discharge Fittings on Frames with Re-Greasable Motors		
Bronze Labyrinth Type Metal Flinger on Lower End Bracket		
Grounding Terminal Inside Main Box		
 Stainless Steel Nameplate 	UN	
 Suitable for Inverter Use per NEM 	A MG-1442 Part 31	
Speed Ranges: 10:1 Variable Torque		
I 6 Leads		
UL Recognized and CSA Approved		
		currents that may be imposed on the motor by VFD
as stated per NEMA MG-1. Part 31.		
■ Ball Type NRR Provided		

EXTRAS/ OPTIONS:

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

Notes:

(1) Consult a Stock Product Application Specialist for suitability in higher ambient environments.

(2) Consult a Stock Product Application Specialist for suitability at higher elevations.

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