

## TYPE AMRC, AMRCNH

Effective 08-01-11  
Supersedes 12-01-09



### APPLICATIONS:

- Pumps
- Irrigation

### FEATURES:

- 7.5 - 400 hp
- 1800 RPM
- High Thrust Vertical Hollow Shaft with P-base
- Weather Protected Type 1 (WP1) Enclosure
- Standard with Coupling and Gib Key
- Standard with Non-Reverse Ratchet
- Meets or Exceeds EPC Efficiency Levels and the (AMRCNH) VHP Products are NEMA Premium Efficient.
- 36 Month Warranty from Date of Manufacture
- 60 Hz, 230/ 460 - 150 hp and Larger are 460 Volt Only; 50 Hz, 190/ 380V Data will be on Nameplate
- 1.15 Service Factor - Continuous on Sine Wave Power, 1.0 S.F. on PWM
- Class F Insulation with 2 Dips & Bakes and Phenolic Alkyd Resin Varnish Finish
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - Fully Gasketed with NPT Threaded Entrance
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- CCW Rotation when Viewed from Top
- Cast Iron Frame, End Brackets, and Main Conduit Box
- Fabricated Steel Drip Cover
- 1045 Hollow Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue Gray - Munsell 7.5BG 3.5/0.5
- Guide Bearings - 213TP-286TP - Double Shielded
- Guide Bearings - 324TP-449TP - Re-Greasable with Polyrex EM Grease
- Thrust Bearings - 213TP-286TP - Re-Greasable Angular Contact with Polyrex EM Grease
- Thrust Bearings - 324TP-449TP - Oil Lubricated Angular Contact with Site Glass
- Oil Requirements for 324TP-405TP - 145 to 175 S.S.U. @ 100°F
- Oil Requirements for 444TP-449TP - 300 S.S.U. @ 100°F
- Grounding Terminal Inside Main Box
- Stainless Steel Nameplate and Rodent Screens
- 9 Leads (PWS on 230V) on 210TP to 365TP
- 12 Leads (PWS on 230V) on 404TP to 405TP
- 6 Leads (PWS on 460V) on 444TP and Larger
- Inverter Duty - 4:1 Variable Torque
- 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 31.4.4.3.

### EXTRAS/ OPTIONS:

Please [click here](#) for a list of 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) The VHP Catalog Items are NEMA Premium Efficient.