

WP1 Vertical Pump Motors

AVAILABLE WITH HOLLOW OR SOLID SHAFT

Horsepower	7.5-1000 hp
Speeds	900-1800 RPM
Design Voltages	Three Phase/208-4160V/50 or 60Hz
Enclosures	Weather Protected Type I
Efficiency Levels	NEMA Premium, High, and Standard Efficiency

Robust Performance

Aurora WP1 Vertical Pump Motors (P-Base Type) are rapidly becoming the most recognized brand in the industry. Our robust motors perform under the most strenuous and extreme conditions and are built from the highest quality materials. Innovation and quality have always been among our top priorities and why we have made major strides in all sectors of the VHS market. With our deep breadth of experience and commitment to precise engineering, we can tailor our motors to meet our customers' specific requirements. Our Vertical Pump Motors are also available in a TEFC (totally enclosed fan cooled) enclosure. Plus we offer a range of frame sizes from 213 to 5808 to deliver the power you need.

External Product Features

- Cast iron frame sizes ranging from 213 to 5808
- Stainless steel rodent screens
- One-piece oversized sight glass
- Oversized conduit box
- Stainless steel nameplate with lead connection data
- Operations manual

Internal Product Features

- Forged ball-type non-reverse ratchet
- Die-cast aluminum rotor
- Class B temp rise at 1.15 S.F.
- Class "F" insulation
- Oil bath for upper bearings 40 hp-1000 hp
- Double VPI treatment (all horsepower)
- Tropicalization treatment (all horsepower)



AURORA MOTORS

AURORA-MOTORS.COM 2031 American Avenue Hayward, California 94545
 telephone: (510) 264-1318 fax: (510) 264-1317 email: sales@aurora-motors.com



Low Maintenance

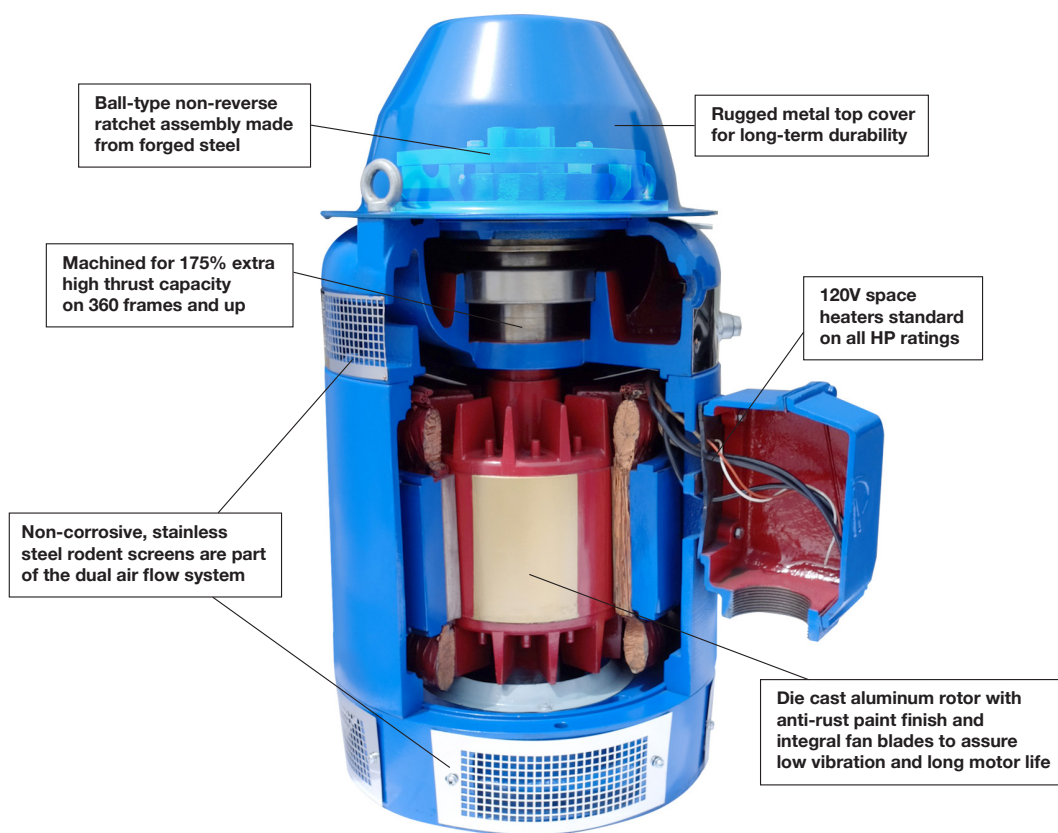
Vertical hollow shaft motors are primarily used for deep well turbine pump applications. They are available in standard, high, and premium efficiency levels, are built to be quiet running, and have low starting torque, high breakdown torque, low vibration, and low temperature rise. You can rely on Aurora Motors to provide long-lasting, trouble-free service under arduous conditions with minimal maintenance required.

MOTOR OPTIONS

- Alternate bases
- Alternate couplings
- TEFC enclosure available
- 900 and 1200 RPM available
- Cast iron top hat available
- Steady bushings available

AURORA PREMIUM FEATURES

- P5 (aviation grade) angular contact thrust bearing
- Double VPI winding treatment (all horsepower)
- End turns capable of 2300V peak-to-peak



Quality Construction

- UL Certified for both construction and efficiency levels
- UL Approved insulation system (NEMA MG-1 Part 31 Inverter Duty)
- Non-Hygroscopic epoxy varnish
- Dual air flow system

Superior Durability

- Cast-iron construction
- Durable metal top cover
- Oversized conduit box
- Precision vibration tolerance of no more than .02 velocity (IPS – Peak)

Built-In Protection

- Positive Temperature Coefficient thermistors
- Space heaters
- Forged ball-type non-reverse ratchet
- Insulated Upper Thrust Bearings (an option)



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