Turbine Pump Motors
Vertical Hollow Shaft

WorldWide Electric’s high efficiency, Vertical Hollow Shaft (VHS) motors are designed for turbine pump applications for many industries, including irrigation, power generation, mining, municipal water and chemical. They are ideally suited for use with inverters or soft starts, whether you have a standard or high thrust application.

- **Versatile.** Drop in replacement to major competitive brands and each motor is supplied with the most commonly used coupling for each HP.

- **Durable.** High thrust bearing design with oil lubrication, 320 frame and up. Double thrust bearing available on 100 HP – 250 HP.

- **Inverter duty.** Inverter grade magnet wire meets NEMA MG1 Part 31 (spike resistant to 1600 volt).

- **Protected.** White epoxy corrosion resistant paint on the outside with epoxy coated rotor and windings on the inside. Motors supplied with felt seal on bottom end bell to protect lower bearing from pump seal failure.

- **2-year warranty.** Field tested and proven in the most difficult pumping applications.

- **In stock availability** with direct shipping from our distribution centers to your site or to a location of your choice.

- **Contact us 24 x 7** for sales, application, and technical support and service.
Drive Controls
Pair up a WWE VHS motor with a Hyundai irrigation Drive package.

WorldWide Electric’s drive irrigation package provides precise control of pump motors to increase operational efficiency and lower strain on all motor components.

Built into the Drive Control is WorldWide Electric’s Smart Interface Device (SID). It uses irrigation terminology that allows local operators to quickly understand and control operation.

Technological Specifications...
- Designed with protection
  - WPI enclosure with rodent screen protection
  - 125 HP - 250 HP motors come with winding RTDs as standard
  - Corrosion resistant epoxy paint
  - Epoxy coated rotor and windings
  - Ball-type non-reverse ratchet assembly prevents motor backspin at shutdown
  - 120 Volt space heater
- Designed for easy installation
  - Vertical P base
  - Commonly used coupling included
  - Additional coupling sizes available
- Designed for severe duty
  - Class F insulation
  - VPI treated windings
  - Double thrust bearing design - available on 100 HP – 250 HP (extra high thrust capability)
- Designed for power and service
  - 25 HP – 250 HP
  - 1800 RPM
  - 230 /460 Volt (25 HP – 75 HP)
  - 460 Volt – Suitable for part winding start (100 HP – 250 HP)
  - 1.15 Service factor
  - Suitable for 50 Hz operation at 1.0 service factor
- Designed for VFDs
  - Inverter grade magnet wire meets NEMA MG1 Part 31 (spike resistant to 1600 volt)
  - Inverter duty, 10:1 variable torque
- Designed for low maintenance
  - Regreasable bottom bearing
  - High thrust bearing design with oil lubrication available on 320 frame and up

How to Order...
Easy to understand model numbers make selection intuitive, with HP, RPM, bearing type and base diameter clearly visible in the model number.

**Single Voltage (460 V)**

<table>
<thead>
<tr>
<th>HP</th>
<th>RPM</th>
<th>Voltage</th>
<th>NEMA Frame</th>
<th>Bearings</th>
<th>Base Diameter</th>
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<tbody>
<tr>
<td>100</td>
<td>18</td>
<td>460</td>
<td>404TP</td>
<td>DB</td>
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**Dual Voltage (230/460 V)**

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<th>Bearings</th>
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WVHS 40 18 342TP 16.5
Example Order Code: WVHS40-18-324TP-16.5

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Distribution Centers | Atlanta, GA | Dallas, TX | Houston, TX | Indianapolis, IN | Kansas City, KS | Los Angeles, CA