



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. Each motor is supplied with the most commonly used coupling for each HP.
- **Durable.** High thrust bearing design with oil lubrication available on 320 frame and up. Double thrust bearing available on 100-250 HP.
- **Inverter duty.** Inverter grade magnet wire meets NEMA MG1 Part 31.
- **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 endbell 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 irrigation drive 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.

TECHNICAL SPECIFICATIONS ...

- **Designed with protection**
 - WPI enclosure with rodent screen protection
 - 125-250 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 100-250 HP (extra high thrust capability)
- **Designed for power and service**
 - 25-250 HP
 - 1800 RPM
 - 230/460 volt (25-75 HP)
 - 460 volt (100-250 HP) Suitable for part winding start
 - 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
 - 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)					
100	18 (1800)	460	404TP	DB (Double Thrust)	16.5
125			405TP		16.5
150			444TP		16.5
200			445TP		16.5
250			445TP		20
HP	RPM	Voltage	NEMA Frame	Bearings	Base Diameter

WVHS 125 18 460 405TP DB 16.5

Example Model Number : WVHS125-18-460-405TP-DB-16.5

Dual Voltage (230/460 V)			
25	18 (1800)	284TP	12
30		286TP	12
40		324TP	16.5
50		326TP	16.5
60		364TP	16.5
75		365TP	16.5
HP		RPM	NEMA Frame

WVHS 40 18 324TP 16.5

Example Model Number : WVHS40-18-324TP-16.5

