

## VEVOR 56HT300-II

# VEVOR 56-Frame 3HP Two-Speed Spa Pump User Manual

Model: 56HT300-II

## 1. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installing, operating, or performing maintenance on this spa pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- **Electrical Safety:** Ensure the power supply matches the pump's voltage (AC 220-240V 60Hz). All electrical connections must be performed by a qualified electrician and comply with local and national electrical codes. The pump must be properly grounded.
- **Water Safety:** Do not operate the pump dry. Ensure the pump is fully primed with water before starting to prevent damage.
- **Installation:** Install the pump in a well-ventilated area, protected from direct sunlight and extreme weather conditions. Ensure stable mounting to prevent vibration.
- **Maintenance:** Disconnect power before performing any maintenance or service. Do not attempt to repair the pump if you are not qualified.
- **Thermal Protection:** The pump is equipped with thermal protection. If the pump overheats, it will automatically shut off. Allow it to cool down before attempting to restart and investigate the cause of overheating.

## 2. PRODUCT OVERVIEW

The VEVOR 56-Frame Two-Speed Spa Pump is designed for efficient water circulation and powerful jet action in hot tubs and spas. It features a robust motor, durable seals, and flexible installation options.



Image 2.1: Overview of the VEVOR 56-Frame Spa Pump, highlighting its mainstream size, AC 220-240V compatibility, 2-inch inlet/outlet, and universal hot/cold water use.

### Key Features:

- **Mainstream Pump Model:** This 56-Frame motor (AC220-240V 60Hz) is a direct replacement for many OEM models. It includes two 2-inch (5.6 cm) connectors for versatile bathtub compatibility.
- **Two-Speed Design:** Offers both high-speed (3 HP, 200 GPM) for powerful massage jets and low-speed (0.4 HP, 100 GPM) for gentle circulation and energy efficiency. The pure copper wire motor with anti-creep bearings ensures stable and long-lasting performance.

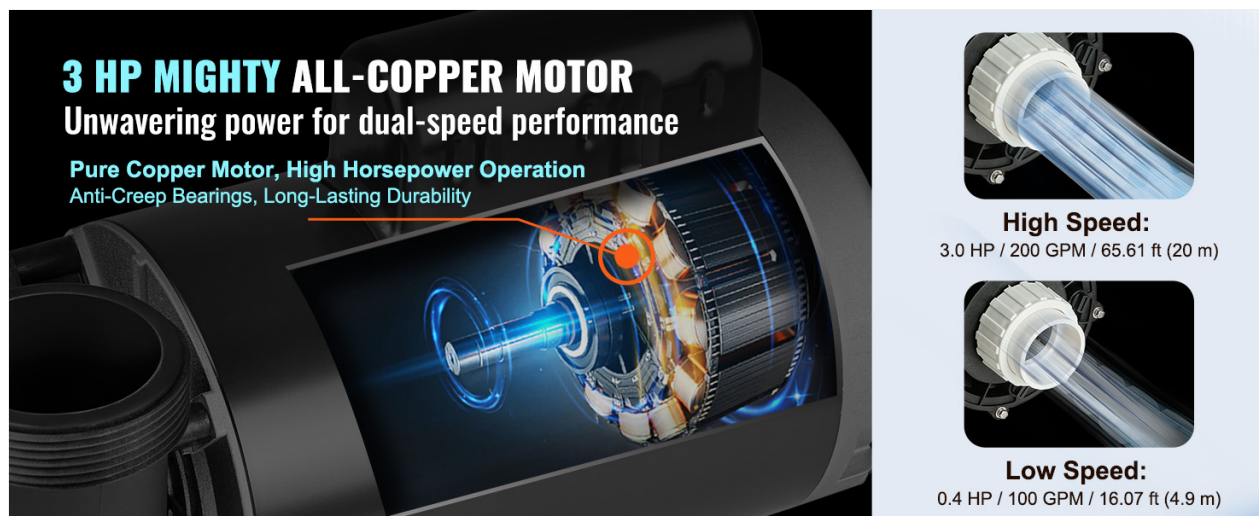


Image 2.2: Illustration of the two-speed flow control, detailing high speed (3.0 HP / 200 GPM / 65.61 ft) and low speed (0.4 HP / 100 GPM / 16.07 ft) capabilities.

- **Seal Against Leakage:** Equipped with Fluororubber shaft seals, providing excellent resistance to high temperatures, corrosion, oil, and aging. This ensures stable sealing performance in harsh environments, preventing fluid and particle leakage.



Image 2.3: Diagram illustrating the Fluororubber shaft seals, emphasizing their fully enclosed structure to avoid liquid leakage and suitability for various bath types.

- **90° Rotational Interface:** The pump head and interface can be rotated by simply disassembling screws, allowing for easy angle adjustment. This adapts the pump to tight spaces or special installation requirements, simplifying piping and facilitating maintenance.



Image 2.4: Visual guide to the 90-degree rotational interface, showing how the pump's angle can be adjusted for different pipe directions.

- **Secure Operation:** Integrated Texas Instruments Thermal Protection monitors motor temperature. If the temperature exceeds the set value, the circuit automatically disconnects to protect the motor from damage.

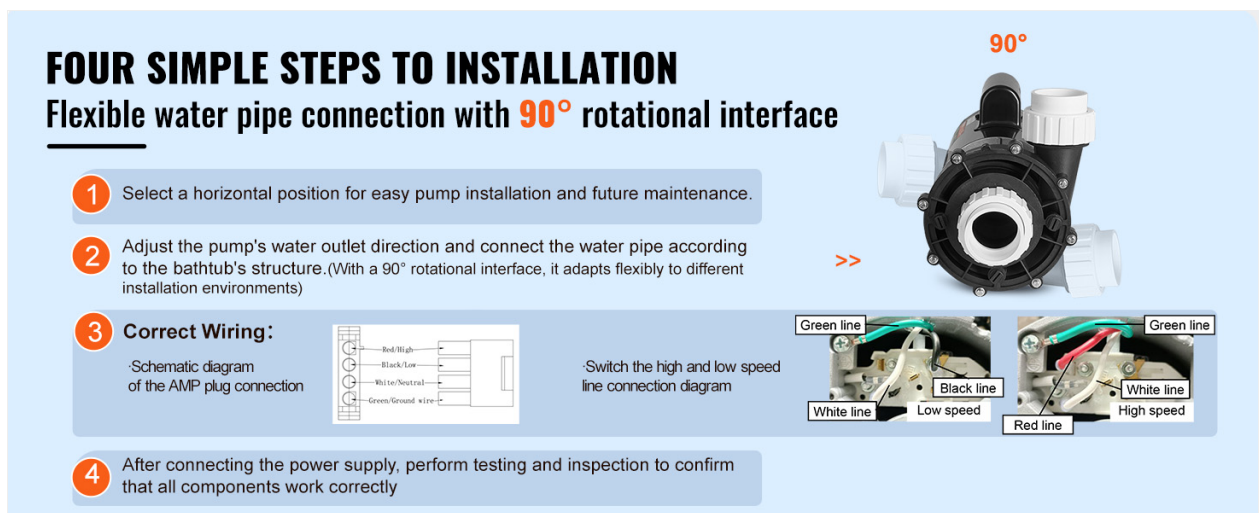


Image 2.5: Explanation of Texas Instruments Thermal Protection, ensuring automatic power off for overheating and secure



operation in home, underground, and outdoor spas.

3. SPECIFICATIONS

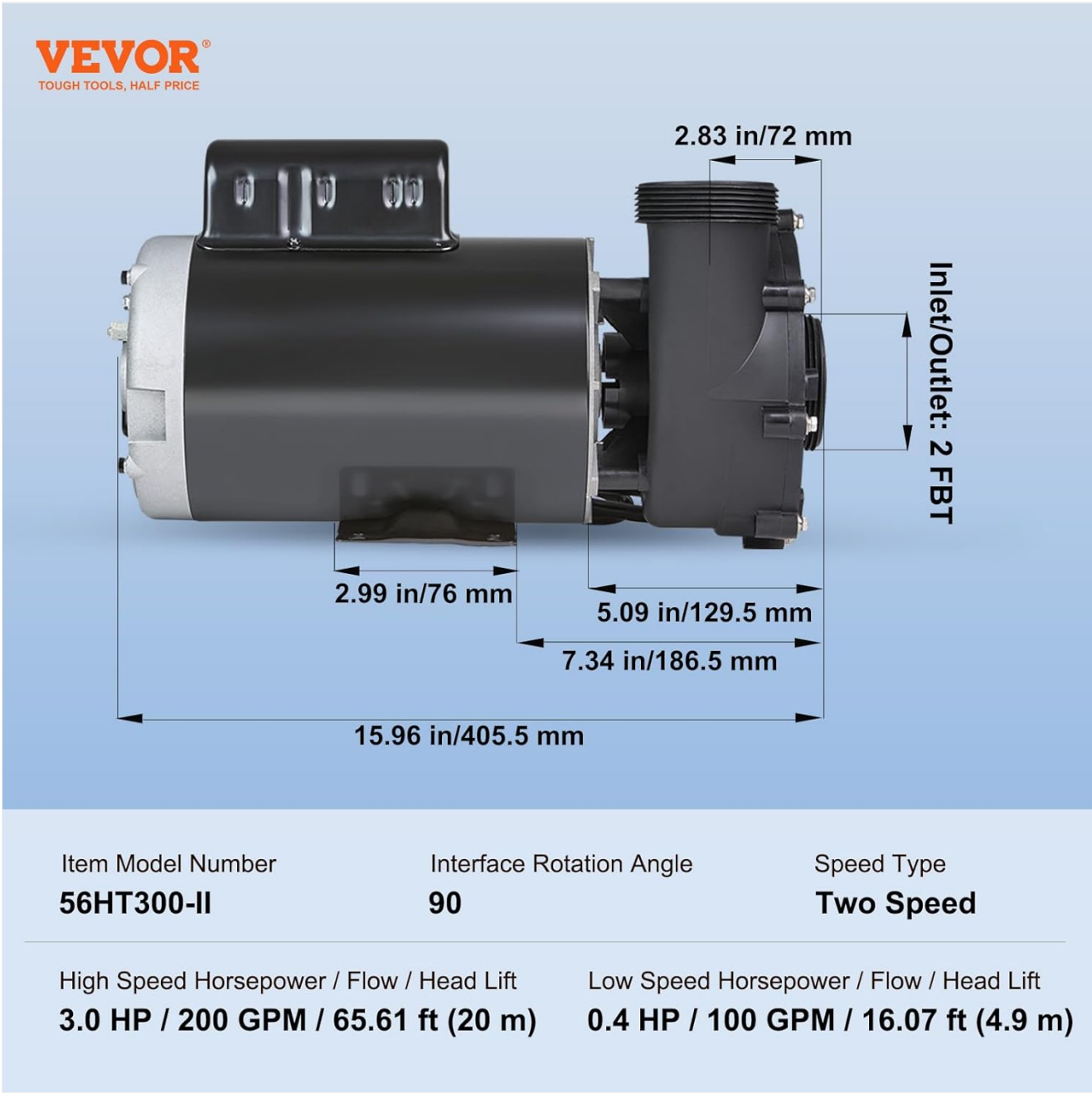


Image 3.1: Technical drawing with detailed dimensions and key specifications for the VEVOR 56-Frame 3HP Two-Speed Spa Pump.

Attribute	Value
Brand	VEVOR
Model Number	56HT300-II
Style	56-Frame 3HP
Voltage	220 Volts (AC)
Power Source	AC
High Speed Horsepower	3 HP

Attribute	Value
High Speed Flow Rate	200 Gallons Per Minute (GPM)
High Speed Lifting Height	65.61 Feet (20 m)
Low Speed Horsepower	0.4 HP
Low Speed Flow Rate	100 Gallons Per Minute (GPM)
Low Speed Lifting Height	16.07 Feet (4.9 m)
Product Dimensions (L x W x H)	15.96" x 4.88" x 8.89" (405.5 mm x 124 mm x 226 mm)
Item Weight	26.7 Pounds
Material	Copper
Color	Black
Interface Rotation Angle	90 Degrees

#### 4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your spa pump. Follow these steps carefully.



Image 4.1: Visual guide detailing the four simple steps for installing the VEVOR spa pump, including positioning, pipe connection, wiring, and testing.

- 1. Select a Horizontal Position:** Choose a stable, horizontal location for the pump installation. This ensures proper operation and facilitates future maintenance.
- 2. Adjust Pump's Water Outlet Direction:** Utilize the 90° rotational interface to adjust the pump's water outlet direction. This allows for flexible adaptation to your bathtub's structure and tight installation spaces. Connect the water pipes securely using the provided 2-inch connectors.



Image 4.2: The VEVOR spa pump shown with its included 2-inch connectors, ready for pipe attachment.

3. **Correct Wiring:** Refer to the schematic diagram for the AMP plug connection. Ensure the high and low speed lines are correctly connected. A qualified electrician should perform all wiring to ensure safety and compliance.
4. **Perform Testing and Inspection:** After connecting the power supply, perform thorough testing and inspection to confirm that all components are working correctly and there are no leaks.

## 5. OPERATING INSTRUCTIONS

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The VEVOR spa pump features a two-speed design for versatile operation.

- **High Speed Operation:** Activate the high-speed mode for maximum water flow and powerful jet action, ideal for deep tissue massage and rapid water circulation.
- **Low Speed Operation:** Switch to low-speed mode for gentle water circulation, energy saving, and quieter operation, suitable for maintaining water quality or light filtration.

Consult your spa's control panel manual for specific instructions on how to switch between high and low speeds, as this functionality is typically controlled by the spa's system.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and efficient operation of your spa pump.

- **Regular Inspection:** Periodically check the pump for any signs of wear, damage, or leaks. Ensure all connections are tight.
- **Clean Impeller:** If flow rate decreases, inspect the impeller for debris and clean as necessary. Always disconnect power before accessing the impeller.
- **Motor Ventilation:** Ensure the motor's ventilation openings are clear of obstructions to prevent overheating.
- **Winterization:** In cold climates, follow proper winterization procedures for your spa and pump to prevent freezing damage. Drain the pump completely if the spa will not be used during freezing temperatures.

## 7. TROUBLESHOOTING

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If you encounter issues with your spa pump, refer to the following common troubleshooting steps:

- **Pump Not Starting:** Check power supply, circuit breaker, and wiring connections. Ensure the thermal protection has not tripped due to overheating.
- **Low Water Flow:** Inspect for clogged filters, debris in the impeller, or air in the system (pump not primed).
- **Unusual Noise:** Could indicate air in the system, debris in the impeller, or worn bearings. Disconnect power and inspect.
- **Leaks:** Check all pipe connections and the shaft seal. Tighten connections or replace seals if necessary.
- **Overheating:** Ensure proper ventilation around the motor. Check for low water flow or prolonged dry running.

If problems persist after troubleshooting, contact VEVOR customer support or a qualified technician.

## 8. WARRANTY AND SUPPORT

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For warranty information, technical support, or replacement parts, please contact VEVOR customer service. Keep your purchase receipt and model number handy for faster service.

You can typically find support contact information on the VEVOR official website or through your original point of purchase.