

## VEVOR HAP750

# VEVOR Above Ground Pool Pump (1HP, 120V, Model HAP750) Instruction Manual

Brand: VEVOR | Model: HAP750

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your VEVOR Above Ground Pool Pump, Model HAP750. Please read this manual thoroughly before installation and use, and retain it for future reference.

## 2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and injury to persons.

- Ensure the pump is installed by a qualified professional in accordance with all local and national electrical codes.
- Always disconnect power to the pump before performing any maintenance or service.
- Do not run the pump dry. Ensure the pump is filled with water before starting.
- Install the pump at least 10 feet (3 meters) from the inside walls of the pool.
- Use an extension cord only if absolutely necessary and ensure it is rated for outdoor use and the pump's power requirements.
- The pump is designed for use with permanently installed pools and spas. It should not be used with storage tanks.
- Ensure proper grounding. The pump incorporates grounding terminals to connect to ground lines for added security.

## 3. PRODUCT OVERVIEW

The VEVOR Above Ground Pool Pump, Model HAP750, is a single-speed, 1HP pump designed for efficient water circulation and filtration in above-ground pools, hot tubs, and spas.

### 3.1 Key Features

- **1 HP Premium Copper Motor:** Operates at 120V / 60Hz with 3450 RPM, featuring an aluminum motor casing and built-in thermal protection for stable and efficient performance.
- **Corrosion-Resistant Thickened Shell:** Constructed with a durable PP shell and integrated structure, ensuring leak-free and wear-resistant properties, even with disinfectant-treated water.

- **Efficient Water Circulation System:** Delivers a maximum water flow of 80 GPM and a maximum head lift of 36 ft (11 m) for rapid water circulation.
- **Detachable Filter Basket:** Facilitates physical purification, compatible with a sand filter (not included). A transparent PVC cover allows easy monitoring for cleaning.
- **Enhanced Security:** Includes grounding terminals for connecting to ground lines.
- **Versatile Application:** Suitable for above-ground pools, hot tubs, spas, and irrigation systems. Not recommended for storage tanks.

### 3.2 Components

The pump unit typically includes the motor, pump housing with a filter basket, and connection adapters.



Figure 1: VEVOR Above Ground Pool Pump (Model HAP750) with various connection adapters.

This image displays the main pump unit, featuring the motor, pump housing with a clear lid for the filter basket, and several connection adapters for different hose sizes. The pump is black with a metallic motor housing.



Figure 2: Detailed diagram of VEVOR Above Ground Pool Pump components.

This diagram highlights key components of the pump, including the water inlet, water outlet, pump body, detachable transparent lid, grounding terminal, strainer basket, ventilation fan, stable base, and drain plug. It illustrates the integrated corrosion-resistant casing.

## 4. SETUP & INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Follow these steps carefully.

### 4.1 Site Selection

- Place the pump on a firm, level surface, ensuring it is at least 10 feet (3 meters) from the pool's edge.
- Ensure the location is well-ventilated and protected from direct sunlight and harsh weather conditions.
- The pump should be positioned below the water level of the pool to facilitate priming.

### 4.2 Electrical Connection

The VEVOR HAP750 pump operates on 120V / 60Hz. All electrical wiring must be performed by a licensed electrician and comply with local and national electrical codes.

- Ensure the power supply matches the pump's voltage requirements (120V).
- Connect the pump to a dedicated, grounded circuit protected by a Ground Fault Circuit Interrupter (GFCI).
- Utilize the provided grounding terminals to ensure the pump is properly grounded.

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Video 1: How to Connect The Power Cord of The LANCHEZ Dual Speed Pool Pump.

This video demonstrates the process of connecting the power cord to a pool pump. It shows opening the junction box, connecting the live, neutral, and ground wires to their respective terminals, and then securing the junction box cover. While the video features a dual-speed pump, the wiring principles for a single-speed pump are similar for the power connection.

### 4.3 Plumbing Connection

- Connect the pool's skimmer line (suction) to the pump's inlet.
- Connect the pump's outlet to the pool's return line (to the filter, then back to the pool).
- Use appropriate hose adapters (1-1/2" and 2" connection adapters are typically included) and hose clamps to ensure a watertight seal.
- Ensure all connections are tight to prevent air leaks, which can affect pump performance.



# ABOVE GROUND POOL PUMP

Your personal pool-housekeeper for healthier swimming



Figure 3: VEVOR Above Ground Pool Pump showing various hose adapters for plumbing connections.

This image illustrates the pump with different hose adapters, emphasizing the flexibility in connecting to various plumbing setups. The adapters are crucial for ensuring a secure and leak-free connection between the pump and the pool's filtration system.

## 5. OPERATING INSTRUCTIONS

### 5.1 Priming the Pump

Before starting the pump for the first time or after draining, it must be primed to ensure it is filled with water and free of air.

1. Ensure all valves are open, allowing water to flow from the pool to the pump.
2. Remove the transparent lid from the strainer basket.
3. Fill the strainer basket housing completely with water.
4. Replace the lid, ensuring it is securely tightened to create an airtight seal.
5. Turn on the pump. It should begin to draw water from the pool.
6. If the pump does not prime within a few minutes, turn it off, re-fill the strainer housing, and repeat the process.

### 5.2 Starting the Pump

Once primed, the pump is ready for operation.

- Ensure all plumbing connections are secure and leak-free.
- Verify that the filter system (if applicable) is correctly set for filtration.
- Turn on the power to the pump. The pump will begin circulating water.

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Video 2: Vidapool Single Speed Pool Pump in operation.

This video showcases a single-speed pool pump in operation, demonstrating the water circulation and the ease of installation of connection adapters. It highlights the pump's powerful performance and easy maintenance features, including the filter basket.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your pump.

### 6.1 Cleaning the Strainer Basket

The detachable filter basket should be checked and cleaned regularly, especially if water flow decreases or the transparent lid shows accumulated debris.

1. Turn off the pump and disconnect power.
2. Unscrew and remove the transparent lid.
3. Lift out the strainer basket.
4. Empty any debris and rinse the basket thoroughly with water.
5. Inspect the O-ring on the lid for cracks or wear; replace if necessary.
6. Place the clean basket back into the housing, ensuring it seats properly.
7. Replace the lid and tighten securely.
8. Re-prime the pump if necessary before restarting.





POOL PUMP

# WATER CIRCULATION & FILTRATION

Say goodbye to manual cleaning of leaves and gravels

# CLEAN WATER



Gravel



Leaf



Figure 4: Close-up view of the pump's strainer basket, showing captured leaves and gravel.

This image provides a clear view of the detachable strainer basket inside the pump housing, illustrating its function in capturing debris like leaves and small stones to prevent them from entering the pump or filter system.

## 6.2 Winterization

In colder climates, proper winterization is essential to prevent damage from freezing.

- Drain all water from the pump and plumbing lines.
- Remove the drain plug from the pump housing.
- Store the pump in a dry, protected area during the off-season.

## 7. TROUBLESHOOTING

If you encounter issues with your pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pump does not start	No power; tripped GFCI; motor overload.	Check power supply; reset GFCI; allow motor to cool and reset thermal protection.
Pump runs but no water flow	Pump not primed; air leak in suction line; clogged strainer basket.	Prime the pump; check all suction line connections for leaks; clean strainer basket.
Low water flow	Clogged strainer basket; dirty filter; air leak.	Clean strainer basket; backwash/clean filter; check for air leaks.
Excessive noise/vibration	Air leak; cavitation; loose mounting.	Check for air leaks; ensure adequate water supply to pump; tighten mounting bolts.

8. SPECIFICATIONS

Feature	Specification
Brand	VEVOR
Model Number	HAP750
Power	1 HP
Voltage	120V / 60Hz
Rotating Speed	3450 RPM
Maximum Flow Rate	80 GPM
Maximum Head Lift	36 ft / 11 m
Material	Aluminum, Polypropylene (PP)
Color	Black
Item Weight	22.93 Pounds
Product Dimensions	24.4 x 10 x 11.4 inches
Cord Length	35.4 in / 0.9 m
Compatible Sand Filter Size	16-19 inches (not included)
Maximum Pool Capacity	27,000 Gallons

## HOW TO CHOOSE THE RIGHT POOL PUMP?

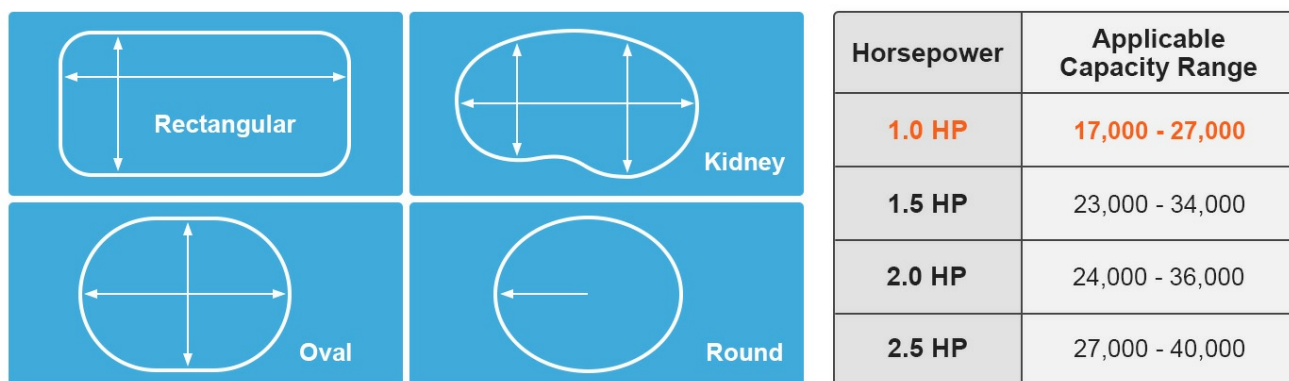


Figure 5: Visual representation of VEVOR Above Ground Pool Pump dimensions and key specifications.

This graphic provides a visual overview of the pump's physical dimensions and a table summarizing its key technical specifications, including model number, voltage, power, rotating speed, max head lift, max water flow, cord length, compatible sand filter size, and maximum pool gallons.

## 9. WARRANTY & SUPPORT

For warranty information or technical support, please refer to the product packaging or contact VEVOR customer service directly. Keep your purchase receipt for warranty claims.