

VIVOHOME VH1283CA-NEW

VIVOHOME 1/2 HP 3200GPH Automatic Pool Cover Pump Instruction Manual

Brand: VIVOHOME | **Model:** VH1283CA-NEW

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation and maintenance of your VIVOHOME 1/2 HP 3200GPH Automatic Pool Cover Pump. Please read these instructions thoroughly before installation and use, and retain them for future reference.

2. SAFETY INFORMATION

- Always disconnect the pump from the power supply before performing any maintenance or cleaning.
- Ensure the power cord and plug are in good condition. Do not use if damaged.
- This pump is designed for water only. Do not use it for flammable liquids, corrosive chemicals, or water containing excessive debris like mud or large gravel.
- Do not run the pump dry. The automatic switch is designed to prevent this, but always monitor operation.
- Keep children and pets away from the pump during operation.
- The pump is equipped with thermal overload protection. If it stops unexpectedly, allow it to cool down before restarting.
- Ensure the electrical outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI).

3. PACKAGE CONTENTS

Verify that all components are present:

- VIVOHOME 1/2 HP 3200GPH Automatic Pool Cover Pump
- 25 FT Power Cord
- Adaptor x 3 (various sizes for hose connection)
- Clamp x 2

- Sealing Ring x 2
- 90° Connector x 1

4. SPECIFICATIONS

Feature	Specification
Brand	VIVOHOME
Model Number	VH1283CA-NEW
Power Source	Corded Electric
Voltage	120 Volts (AC)
Wattage	372.8 watts
Horsepower	1/2 HP
Maximum Flow Rate	3200 Gallons Per Hour (53.3 Gallons Per Minute)
Maximum Head	21 ft
Item Weight	8.1 Pounds
Product Dimensions (L x W x H)	9.8"L x 9.8"W x 8.9"H
Cable Length	25 ft
Material	Acrylonitrile Butadiene Styrene (ABS), Polypropylene (PP)
Style	Automatic On/Off

Product specifications

Package Dimensions:

12.1x11.8x8.5 inches

Package Weight:

9.5 Lbs

Cable Length

25ft



Figure 1: Product dimensions and package specifications. This image provides a visual representation of the pump's physical dimensions (length, width, height) and cable length, along with package dimensions and weight.

5. SETUP

5.1 Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the pump and accessories for any signs of damage. If any damage is found, do not proceed with installation and contact customer support.

5.2 Hose Connection

The pump includes various adaptors, seals, and clamps to connect to different hose sizes. For optimal flow rate, it is recommended to use 1-1/2" or 1-1/4" garden hoses. The 90° connector is useful for operating in tight spaces.

1. Select the appropriate adaptor for your hose size.
2. Attach the adaptor to the pump's discharge port. Use a sealing ring to ensure a watertight connection.
3. Secure the hose to the adaptor using the provided clamps. Ensure a tight fit to prevent leaks.
4. If needed, attach the 90° connector before the adaptor for angled discharge.

Complete Accessories

It is recommended to use 1-1/2" and 1-1/4" garden hoses for optimal flow rate.



The 90° connector allows the pump to operate in tight spaces such as narrow wells, pipes

Figure 2: Included accessories for hose connection. This image displays the pump with its various connectors, clamps, and sealing rings, illustrating how different hose sizes can be attached for drainage.

5.3 Pump Placement

Place the pump on a stable, flat surface in the area to be drained. The detachable strainer base helps keep the pump off the bottom surface and prevents leaves and debris from entering the pump body. Ensure the pump is fully submerged in water before connecting power.



Figure 3: The VIVOHOME 1/2 HP 3200GPH Automatic Pool Cover Pump. This image shows the complete pump unit with its power cord and discharge port, ready for connection.



Figure 4: The pump in operation, effectively draining water from a pool. This image demonstrates the pump submerged in water, with water being discharged through an attached hose.

5.4 Power Connection

Connect the 25ft power cord to a standard 120V AC grounded electrical outlet. For safety, ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI).

6. OPERATING INSTRUCTIONS

6.1 Automatic Operation

The VIVOHOME pump features an automatic ON/OFF switch designed to prevent dry running and protect against water shortage. The pump will:

- **Start automatically** when the water level reaches approximately 4/5" (20mm).
- **Stop automatically** when the water level drops below approximately 2/5" (10mm).

High Flow Rate

Designed to remove excess water efficiently



Figure 5: Automatic switch mechanism. This diagram illustrates how the pump's automatic sensor activates when water reaches 4/5" and deactivates when it falls below 2/5", preventing dry operation.

6.2 Thermal Overload Protection

The pump is equipped with an overheating protection device to prevent damage. If the internal temperature reaches 221°F (105°C), the pump will stop operating automatically. It will resume operation once the temperature drops to 167°F (75°C) or below. This feature extends the service life of the pump and ensures user safety.

Thermal Overload Protection

The pump is equipped with an overheating protection device

167°F and below

Start working again

221°F

The pump stops working automatically

Detachable Base

≤ 45 dB

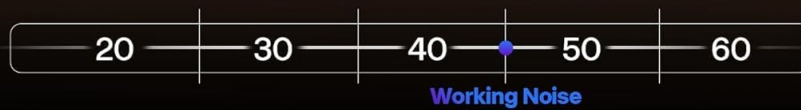


Figure 6: Thermal overload protection system. This image shows a cutaway view of the pump, highlighting the thermal sensor that stops the pump at 221°F and restarts it at 167°F.

6.3 High Flow Rate

The 1/2 HP motor provides a high flow rate of up to 3200 Gallons Per Hour (GPH), making it efficient for draining large volumes of water. The pump is designed to handle water with small debris, but it is not recommended for extreme conditions with heavy garbage or mud.



Figure 7: High flow rate and debris handling. This diagram illustrates the pump's internal mechanism and its ability to process water with small amounts of mud, rubbish, and weed, achieving a 3200 GPH flow rate.

6.4 Applications

This submersible water pump is suitable for various draining tasks, including:

- Swimming pool covers
- Ground swimming pools
- Hot tubs
- Basements
- Rooftops
- Water beds
- Ponds (ensure a mesh filter bag is used if small stones or gravel are present)

7. MAINTENANCE

7.1 Cleaning the Strainer Base

The detachable strainer base can effectively filter leaves and debris, preventing clogging. Regularly inspect and clean the strainer base to maintain optimal pump performance. To clean:

1. Disconnect the pump from the power supply.
2. Remove the pump from the water.
3. Detach the strainer base by twisting or unlatching it (refer to product diagram for specific mechanism).
4. Rinse the strainer base and the pump's intake area with clean water to remove any accumulated debris.
5. Reattach the strainer base securely before next use.

7.2 Winterization

The pump is equipped with automatic freeze protection, allowing it to function normally even in winter conditions. However, for prolonged storage or in extremely harsh freezing conditions, it is recommended to:

- Drain all water from the pump and hose.
- Clean the pump thoroughly.
- Store the pump in a dry, frost-free location.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power supply Water level too low Thermal overload activated	Check power connection and GFCI Ensure water level is above 4/5" Allow pump to cool down (resets automatically)
Low flow rate or no water discharge	Clogged strainer base Kinked or blocked hose Incorrect hose size Air lock	Clean strainer base Check and clear hose obstruction Use recommended hose sizes (1-1/4" or 1-1/2") Ensure pump is fully submerged and tilted slightly to release air
Pump runs continuously even when water is low	Automatic switch malfunction Sensor obstructed	Inspect the automatic switch mechanism for debris or damage. If problem persists, contact customer support.
Unusual noise or vibration	Debris in impeller Pump not stable	Disconnect power, inspect and clear impeller area Ensure pump is on a flat, stable surface





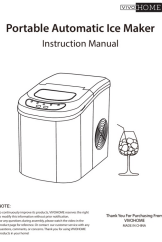

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or contact VIVOHOME customer service directly. Keep your purchase receipt as proof of purchase.

VIVOHOME Customer Service: [Visit the VIVOHOME Store on Amazon](#)

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Related Documents - VH1283CA-NEW

	<p>VIVOHOME 1.5 HP Variable Speed Pool Pump User Manual</p> <p>Comprehensive user manual for the VIVOHOME 1.5 HP Variable Speed Pool Pump, covering installation, operation, maintenance, troubleshooting, technical specifications, and warranty information.</p>
	<p>VIVOHOME Pool Pump Troubleshooting Guide</p> <p>Comprehensive troubleshooting guide for VIVOHOME pool pumps, covering common issues such as motor not starting, pump not priming, low flow, and noisy operation. Provides detailed steps and potential causes for each problem.</p>
	<p>VIVOHOME Twin Tub Washing Machine VH354 Instruction Manual</p> <p>This instruction manual provides detailed information on the VIVOHOME Twin Tub Washing Machine, model VH354. It covers electrical principles, technical specifications, parts identification, washing and spinning instructions, attention points, maintenance, and troubleshooting.</p>
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