

choosmo CMP 2535

choosmo 3/4 HP Above Ground Pool Pump with Timer

Model: CMP 2535 - Instruction Manual

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe installation, operation, and maintenance of your choosmo 3/4 HP Above Ground Pool Pump with Timer. Please read this manual thoroughly before installation and use. Keep it for future reference.

Important Safety Warnings:

- **Electrical Safety:** Always disconnect power before servicing the pump. Ensure the pump is connected to a properly grounded outlet protected by a Ground Fault Circuit Interrupter (GFCI). Do not use extension cords.
- **Water and Electrical:** Never operate the pump when people are in the pool. Keep the pump away from standing water to prevent electrical shock.
- **Never Run Dry:** Operating the pump without water will cause severe damage and void the warranty. Always ensure the pump is properly primed before starting.
- **Installation:** Installation must be performed by a qualified professional or in accordance with all local electrical and plumbing codes.
- **Children:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

2. PRODUCT FEATURES

The choosmo 3/4 HP Above Ground Pool Pump is designed for efficient water circulation and filtration in compatible above-ground pool systems. Key features include:

- **Powerful Performance:** 3/4 HP motor delivers up to 3120 GPH (52 GPM) with a 41 ft maximum head, ensuring robust water flow.
- **Integrated Timer:** A built-in 24-hour programmable timer allows for automated daily operation with 9 selectable run-

time settings (2 to 24 hours).

- **Self-Priming Design:** Facilitates easy restart of circulation after initial setup and proper priming.
- **Versatile Hose Adapters:** Includes adapters for common 1.25-inch and 1.5-inch above-ground pool hoses for broad compatibility.
- **Integrated Filter Basket:** A strainer basket helps capture leaves, grit, and larger debris before they reach the impeller, simplifying routine maintenance.



Perfect design



Quiet



Energy Saving



Easy Installation



High Performance



Prefilter Basket

Easy to check, remove and clean debris during routine pool care.



2-Pack Adapters

Stepped 1.25/1.5 in barb with O-rings for a secure, easy hose connection.



Built-In Timer

Selectable run-time settings for pool season filtration

Image 2.1: Key components of the choosmo pool pump, including the prefilter basket, hose adapters, and the timer interface.

3. TECHNICAL SPECIFICATIONS

Reliable

Single-Speed Pump Motor



Technical Data

Power: 3/4 HP	Volts / Hz: 115V / 60Hz
Rated Current: 5.0 A	Max Flow: Up to 3120 GPH
Motor: Copper	Max Head: 41 ft / 12.5 m
Power Cord: 6 ft	Filter Basket: Built-In

The copper-wound single-speed motor helps support steady water circulation through compatible above-ground pool filtration systems. Built-in thermal overload protection helps protect the motor during routine pool operation.



Image 3.1: Internal motor diagram and technical specifications of the pump.

Specification	Value
Power	3/4 HP
Voltage / Frequency	115V / 60Hz
Rated Current	5.0 A
Max Flow	Up to 3120 GPH (52 GPM)
Max Head	41 ft / 12.5 m
Motor Type	Copper-wound single-speed
Power Cord Length	6 ft
Filter Basket	Built-In
Hose Adapters Included	1.25 inch and 1.5 inch
Product Dimensions (Approx.)	16.5 x 6.1 x 9.4 inches (L x W x H)
Item Weight	13 pounds



Product Specification

Hose Adapter Included x 2 ►►

**Check your hose and fitting size before purchase.*

1.5" NPT Threaded End
(Approx. 1.9" / 48 mm measured OD)

1.25" Hose Barb

1.5" Hose Barb



— 6.1 inch —



9.4 inch



— 16.5 inch —

Image 3.2: Detailed product dimensions and the included hose adapters.

4. SETUP INSTRUCTIONS

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

4.1 Pre-Installation Checks

- **Compatibility:** Ensure your existing sand filter system, hoses, and electrical supply are compatible with the pump's specifications (3/4 HP, 115V, 60Hz).
- **Hose Size:** Verify your pool hoses are either 1.25 inches or 1.5 inches in diameter to use the included adapters.
- **Location:** Place the pump on a solid, level surface, close to the pool and filter system. Ensure it is protected from direct sunlight and harsh weather, and has adequate ventilation.
- **Electrical Outlet:** Confirm a dedicated, GFCI-protected 115V outlet is available within 6 feet of the pump.

4.2 Connecting the Pump

1. **Attach Adapters:** Select the appropriate hose adapters (1.25-inch or 1.5-inch) for your hoses. Securely attach them to the pump's inlet and outlet ports.
2. **Connect Hoses:** Connect the pool hoses from your skimmer/main drain to the pump's inlet (suction side) and from the pump's outlet (discharge side) to your sand filter system. Use hose clamps to ensure tight, leak-free connections.

3. **Electrical Connection:** Once all plumbing connections are secure and the pump is primed, plug the pump into the GFCI-protected 115V outlet.



Image 4.1: Example setup showing the pump connected to a sand filter and an above-ground pool. Note: Sand filter tank, hoses, and filter media are not included with the pump.

4.3 Priming the Pump

Before initial startup or after any maintenance that drains the pump, it must be primed:

1. Ensure all valves are open to allow water flow from the pool to the pump.
2. Remove the clear lid of the prefilter basket.
3. Fill the prefilter basket and pump housing completely with water.
4. Replace the lid, ensuring it is tightly sealed to prevent air leaks.
5. Turn on the pump. It should begin to draw water and expel air. If water does not flow within a few minutes, turn off the pump, re-prime, and check for air leaks in connections.

5. OPERATING INSTRUCTIONS

Your choosmo pool pump features a built-in timer for convenient, automated operation.

5.1 Initial Startup

- After successful priming and electrical connection, the pump is ready for operation.
- The pump will start running immediately if the timer is not set or is in manual mode.

5.2 Setting the Built-in Timer

The timer allows you to automate the pump's daily run cycle. Refer to the timer interface on the pump for specific button functions.

1. **Access Timer Settings:** Locate the timer control panel on the pump.
2. **Select Run Time:** Choose from 9 available run-time settings, ranging from 2 to 24 hours. Each setting corresponds to a specific duration the pump will operate daily.
3. **Activate Schedule:** Once a run time is selected, the pump will begin its daily schedule at the time it was set. For example, if you set a 6-hour run time at 9:00 AM, the pump will run for 6 hours daily starting at 9:00 AM.
4. **Manual Override:** Most timers include a manual override option to run the pump continuously or turn it off outside the programmed schedule. Consult the timer's specific instructions for this function.

Regularly check the timer settings, especially after power outages, to ensure your pool maintains its filtration schedule.

6. MAINTENANCE

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

6.1 Cleaning the Prefilter Basket

The built-in strainer basket collects debris and should be checked and cleaned regularly, depending on pool usage and debris levels.

1. **Turn Off Power:** Always disconnect the pump from the power source before cleaning.
2. **Release Pressure:** If applicable, open any air relief valves on your filter system to release pressure.
3. **Remove Lid:** Unscrew and remove the clear lid of the prefilter basket.
4. **Remove and Clean Basket:** Lift out the basket and empty any collected debris. Rinse the basket thoroughly with water.
5. **Inspect O-Ring:** Check the lid's O-ring for cracks or wear. Lubricate with a silicone-based lubricant if dry.
6. **Reassemble:** Place the clean basket back into the housing, ensuring it seats correctly. Replace the O-ring and lid, tightening securely to prevent air leaks.
7. **Re-prime:** Follow the priming steps in Section 4.3 before restarting the pump.

6.2 Winterization

For regions with freezing temperatures, proper winterization is essential to prevent damage:

- **Disconnect Power:** Turn off and unplug the pump.
- **Drain Water:** Disconnect hoses and open drain plugs (if any) to completely drain all water from the pump.
- **Store:** Store the pump in a dry, frost-free location.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your pool pump.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped GFCI; motor overload.	Check power connection and GFCI. Reset GFCI if tripped. Allow motor to cool if overloaded.
Pump runs but no water flow	Pump not primed; air leak in suction line; clogged prefilter basket.	Re-prime the pump (Section 4.3). Check all suction line connections for tightness. Clean prefilter basket (Section 6.1).
Low water flow	Clogged prefilter basket; restricted suction/discharge lines; dirty filter.	Clean prefilter basket. Check hoses for kinks or blockages. Backwash or clean your sand filter as per its manual.
Pump is noisy	Air leak in suction line; cavitation (lack of water); debris in impeller.	Check suction line for air leaks. Ensure pump is fully primed. Disconnect power and inspect impeller for debris.
Water leaking from pump	Loose connections; damaged O-rings/seals.	Tighten all connections. Inspect and replace any damaged O-rings or seals.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

8. WARRANTY AND SUPPORT

This choosmo pool pump is manufactured by Acorn Pool Care Inc. For specific warranty details, please refer to the warranty card included with your product or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact choosmo customer support. Contact information can typically be found on the product packaging or the official choosmo website.



Support for Your Pool Care Needs
We're here to help you choose the right CHOOSMO solution, confirm fit, and feel supported after purchase.

Image 8.1: choosmo customer support is available to assist with product selection, fit checks, and after-sales questions.

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