

[Manuals.plus](#) /

> [DOEL](#) /

> DOEL Mini Swimming Pool Heat Pump YC-005TB1-I User Manual

DOEL YC-005TB1-I

DOEL Mini Swimming Pool Heat Pump User Manual

Model: YC-005TB1-I

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your DOEL Mini Swimming Pool Heat Pump, Model YC-005TB1-I. This unit is designed to provide both heating and cooling for above-ground pools up to 2600 gallons, ensuring comfortable water temperatures year-round. Please read this manual thoroughly before installation and use, and retain it for future reference.

The DOEL Mini Swimming Pool Heat Pump features a 17100 BTU output, a durable titanium heat exchanger, and operates on a standard 115V 60Hz power supply. Its design focuses on energy efficiency and quiet operation, making it an ideal solution for maintaining your pool's temperature.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always disconnect power before performing any maintenance or service.
- Ensure the unit is installed on a stable, level surface with adequate ventilation.
- Do not operate the unit if the power cord or plug is damaged.
- Keep children and pets away from the unit during operation.
- This appliance must be properly grounded.
- Do not block the air intake or exhaust vents.
- Consult a qualified electrician for any electrical installation questions.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any parts are missing or damaged, please contact customer support.

- DOEL Mini Swimming Pool Heat Pump Unit
- User Manual

- 1.25" & 1.5" Adapters (x2)
- Adapter Conversion Kit (x1)

115v/60Hz Outlet

No need for wiring, plug and play,
more convenient to use





Figure 3.1: The image displays the DOEL Mini Swimming Pool Heat Pump unit along with its accessories: a user manual, two sets of 1.25" and 1.5" adapters, and an adapter conversion kit. The unit itself has dimensions of approximately 16.5 inches in width, 16.5 inches in depth, and 16.9 inches in height.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your heat pump:

1. **Placement:** Position the heat pump on a firm, level surface near your pool. Ensure there is at least 20 inches of clear space around the unit for proper airflow.
2. **Water Connections:** Connect the heat pump to your pool's filtration system. Water flows from the pool pump, through the heat pump, and back to the pool. Use the provided adapters to match your pool hose sizes (1.25" or 1.5"). Ensure all connections are secure and leak-free.
3. **Electrical Connection:** The unit operates on 115V/60Hz. Plug the heat pump directly into a grounded electrical outlet. Do not use extension cords. The integrated GFCI plug provides added safety.

Packing List



User Manual



1.25" & 1.5"
Adapters*2



Adapter
Conversion Kit*1



Figure 4.1: This image highlights the integrated handle design on the top of the DOEL Mini Swimming Pool Heat Pump, indicating its portability and ease of movement for setup or storage.

Smart Control Panel

59°F-104°F Temperature Range



Up



Down



On/Off



Mode
Switching



Figure 4.2: A close-up view of the 115V/60Hz electrical plug, emphasizing its standard design for direct connection to a power outlet without additional wiring.

5. OPERATING INSTRUCTIONS

The DOEL Mini Swimming Pool Heat Pump features an intelligent control panel for easy temperature adjustment and mode selection.

5.1 Control Panel Overview



Figure 5.1: This image shows the smart control panel with a digital display and four buttons: Up, Down, On/Off, and Mode Switching. The display shows the current temperature (e.g., 83°F) and the water outlet connection is visible below the panel.

- **Up Button (▲):** Increases the desired temperature setting.
- **Down Button (▼):** Decreases the desired temperature setting.
- **On/Off Button (⚡):** Powers the unit on or off.
- **Mode Button (M):** Switches between heating and cooling modes.

5.2 Setting Temperature

Press the On/Off button to power on the unit. Use the Up (▲) and Down (▼) buttons to set your desired pool water temperature. The temperature range is typically 59°F to 104°F (15°C to 40°C).

5.3 Selecting Operating Mode

Press the Mode (M) button to toggle between heating and cooling functions. The unit will automatically adjust its operation to reach and maintain the set temperature in the selected mode.



Figure 5.2: This graphic illustrates the heat pump's heating capability, showing the pool water temperature increasing towards a maximum of 104°F.



Figure 5.3: This graphic demonstrates the heat pump's cooling function, depicting the pool water temperature decreasing to a minimum of 59°F.

5.4 Timer Function

The unit includes a timer function, typically allowing for 0-720 minute (12-hour) settings. Refer to the control panel interface for specific timer programming instructions to schedule operation times.

Handle Design

Easy to Move



Figure 5.4: An illustration showing the heat pump with a graphical representation of a 12-hour timer setting, indicating scheduled operation for day and night.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your heat pump.

- **Cleaning:** Periodically clean the exterior of the unit with a soft, damp cloth. Ensure the air intake and exhaust vents are free from debris, leaves, and other obstructions.
- **Water Quality:** Maintain proper pool water chemistry to prevent corrosion and scale buildup within the heat exchanger.
- **Winterization:** If the unit will not be used during freezing temperatures, drain all water from the heat pump and store it in a dry, protected area.
- **Inspection:** Regularly inspect the power cord and water connections for any signs of wear or damage.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not turn on	No power, GFCI tripped, faulty power cord	Check power outlet, reset GFCI, inspect power cord for damage.
Insufficient heating/cooling	Incorrect temperature setting, blocked airflow, low water flow, ambient temperature too extreme	Verify settings, clear vents, check pool pump operation, ensure unit is within operating temperature range.
Unusual noise	Debris in fan, loose components	Disconnect power and inspect fan for obstructions. Tighten any loose parts.
Water leakage	Loose connections, damaged hoses	Tighten all hose clamps and connections. Inspect hoses for cracks or damage.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	YC-005TB1-I
Product Dimensions	20 x 19 x 19 inches
Item Weight	69.8 pounds
Manufacturer	DOEL
BTU Output	17100 BTU
Power Supply	115V 60Hz
Heat Exchanger	Titanium
Noise Level	Approximately 45 decibels
Applicable Pool Volume	Up to 2600 Gallons (Above Ground Pools)
Temperature Range	59°F - 104°F (15°C - 40°C)

9. WARRANTY AND SUPPORT

DOEL products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official DOEL website. Keep your purchase receipt as proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact DOEL customer service. Contact information can typically be found on the manufacturer's website or on the product packaging.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0F59Z4YJ5>

More documents and user manuals: <https://manuals.plus/>