

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Raypak](#) /

› [Raypak Crosswind 017740 Electric Heat/Cool Pool Heat Pump Instruction Manual](#)

Raypak 017740

Raypak Crosswind Electric Heat/Cool Pool Heat Pump

MODEL: 017740

Instruction Manual

1. Introduction

The Raypak Crosswind Electric Heat/Cool Pool Heat Pump is designed to efficiently regulate your pool or spa temperature. This unit provides both heating and cooling capabilities, extending your swimming season and enhancing comfort. Featuring inverter technology, it adjusts operation based on demand, leading to energy efficiency and quiet performance. The spiral titanium heat exchanger ensures rapid and effective heat transfer.



Figure 1: Front view of the Raypak Crosswind Electric Heat/Cool Pool Heat Pump.

2. Setup and Installation

Proper installation is crucial for the safe and efficient operation of your Raypak Crosswind heat pump. It is recommended that installation be performed by a licensed professional, especially for electrical wiring.

2.1. Placement and Mounting

- Install the unit on a level and secure surface, such as a concrete base.
- Ensure there is at least 2 feet of air space on all sides of the unit, with 4 feet in the front for access and proper airflow.

INSTALL TIPS

- 1** Install on a level and secure surface, such as a concrete base
- 2** Ensure there is at least 2 feet of air space on all sides of the unit, with 4 feet in the front for access
- 3** Consult a licensed electrician before installing



Figure 2: Visual guide for proper installation and clearance.

2.2. Water Connections

The heat pump connects to your pool's filtration system. Water flows from your pool pump, through the heat pump, and then back to the pool. The unit includes union fittings for easy integration into your plumbing.

2.3. Electrical Requirements

This unit requires a 208/230V electrical supply and a dedicated 20-amp, double-pole breaker. A grounding rod is necessary to ground the unit and associated pool equipment. Consult a licensed electrician for proper wiring to ensure safety and compliance with local codes.

2.4. Initial Startup

Before starting the heat pump, ensure your pool's filtration pump is running to establish proper water flow. The heat pump will not operate without adequate water circulation.

Your browser does not support the video tag.

Video 1: An official Raypak video introducing the Crosswind V, highlighting its features and benefits.

3. Operating Instructions

The Raypak Crosswind features an easy-to-read, user-friendly LCD digital display for full control over your pool's temperature settings.

3.1. LCD Digital Control

The LCD display shows current water temperature, desired temperature settings, and operational status. You can adjust settings directly from this panel.

3.2. Heating and Cooling Modes

The unit offers both heating and cooling functionalities. In heating mode, it warms your pool water. In cooling mode, it can lower the water temperature during hot periods, providing comfort year-round.

3.3. Inverter Technology

The inverter technology intelligently adjusts the compressor and fan speed based on the heating or cooling demand. This allows the unit to maintain the set temperature more efficiently and quietly, reducing energy consumption compared to traditional on/off systems.

3.4. Quiet Operation

The inverter compressor combined with a low-speed fan motor ensures whisper-quiet operation, allowing for a serene pool and spa environment.



Figure 3: Side view of the heat pump, illustrating its compact design.

4. Maintenance

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

4.1. Routine Care

- Balance pool water chemistry to prevent scaling and corrosion within the heat exchanger.
- Keep the area around the heat pump clean and clear of debris to ensure proper airflow.
- Clean the evaporator coil and inspect the fan and blades at least once a year.
- Install a bypass valve if the heat pump will not be used for long periods, allowing water to bypass the unit.

MAINTENANCE TIPS

- 1** Balance pool water chemistry to prevent scaling and corrosion
- 2** Keep area around heat pump clean and open
- 3** Clean evaporator coil and inspect fan and blades at least once a year
- 4** Install a bypass valve if heat pump will not be used for long periods of time



Figure 4: Visual guide for essential maintenance tasks.

4.2. Winterization

In colder climates, proper winterization is essential to prevent damage from freezing. Drain all water from the heat pump and associated plumbing lines. Consult your local dealer or the product manual for detailed winterization procedures.

5. Troubleshooting

If you encounter issues with your heat pump, refer to the following common troubleshooting steps.

5.1. Error Codes

The unit's LCD display may show error codes. For example, an "E03" error often indicates a water flow switch fault. This typically means the heat pump is not detecting sufficient water flow, which can occur if the pool pump is off or if there is a blockage. Ensure your pool pump is running and check for any obstructions in the plumbing.

5.2. No Heat/Cooling

- Verify the desired temperature setting on the LCD display.
- Check that the pool pump is operating and water is circulating.
- Ensure the electrical breaker has not tripped.
- Inspect the evaporator coil for blockages or excessive dirt.

5.3. Unusual Noises

While the unit is designed for quiet operation, unusual noises may indicate an issue. Check for loose debris in the fan, or contact customer support if the noise persists.

6. Specifications

- **Model Number:** 017740
- **BTU Output:** 45,000 BTU
- **Voltage:** 208/230V
- **Product Dimensions:** 39 x 12 x 26 inches
- **Item Weight:** 135 pounds
- **Heat Exchanger:** Spiral Titanium
- **Control:** LCD Digital Display
- **Technology:** Inverter Compressor



Figure 5: Internal components of the heat pump, including the spiral titanium heat exchanger.

7. Warranty and Support

Raypak offers customer support for product inquiries and assistance. Warranty information is typically provided with the product documentation. Note that some warranties may require proof of professional installation.

- **Customer Support:** Refer to the contact information provided in your product packaging or on the official Raypak website.
- **Warranty:** Consult the warranty card included with your heat pump for terms and conditions.