

KAYSUN KSWP-80 Hn

Kaysun Aquatix 8 kW Pool Heat Pump KSWP-80 Hn User Manual

Model: KSWP-80 Hn

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Kaysun Aquatix 8 kW Pool Heat Pump, model KSWP-80 Hn. Please read this manual thoroughly before installation or use to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY INFORMATION

Important Safety Instructions:

- Installation and electrical connections must be performed by a qualified professional in accordance with all local and national codes.
- Ensure the power supply matches the specifications of the heat pump.
- Do not operate the unit if any part is damaged or if the power cord is frayed.
- Keep children and pets away from the unit during operation.
- Do not insert objects into the fan grille or any openings.
- Ensure proper ventilation around the unit.
- Disconnect power before performing any maintenance or repairs.
- 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.

3. PRODUCT OVERVIEW

The Kaysun Aquatix 8 kW Pool Heat Pump is designed to efficiently heat swimming pool water, extending your swimming season. It utilizes ambient air to transfer heat to your pool, offering an energy-efficient heating solution.



Figure 1: Kaysun Aquatix 8 kW Pool Heat Pump KSWP-80 Hn. This image shows the compact, rectangular outdoor unit of the heat pump, typically white or light grey, with a fan grille on one side and a control panel on the front. Water inlet/outlet connections are usually located on the side or back.

Key Components:

- **Evaporator:** Absorbs heat from the ambient air.
- **Compressor:** Increases the temperature and pressure of the refrigerant.
- **Condenser:** Transfers heat from the refrigerant to the pool water.
- **Expansion Valve:** Reduces the pressure and temperature of the refrigerant.
- **Control Panel:** For setting temperature, operating modes, and displaying status.

4. SETUP AND INSTALLATION

Professional installation by a certified technician is highly recommended to ensure safety and optimal performance.

1. **Location:** Choose a well-ventilated outdoor location, away from direct sunlight, with sufficient clearance around the unit for airflow (typically 50cm on all sides and 100cm above). Avoid enclosed spaces or areas where exhaust air can be recirculated.
2. **Mounting:** Place the unit on a solid, level base that can support its weight and minimize vibration.
3. **Plumbing Connections:** Connect the heat pump to your pool's filtration system after the filter and before any chemical feeders. Ensure proper water flow direction. Use appropriate PVC fittings and sealants.
4. **Electrical Connections:** Connect the unit to a dedicated electrical circuit with appropriate overcurrent protection (circuit breaker) as specified in the technical specifications. All wiring must comply with local electrical codes.
5. **Initial Start-up:** After all connections are secure and checked, ensure the pool pump is running and water is flowing through the heat pump before turning on the electrical supply to the unit.

5. OPERATING INSTRUCTIONS

Ensure your pool pump is running before operating the heat pump.

- **Power On/Off:** Use the main power switch on the unit or the control panel to turn the heat pump on or off.
- **Setting Temperature:** Use the UP/DOWN arrows or temperature setting buttons on the control panel to adjust your desired pool water temperature. The display will show the current and set temperatures.

- **Operating Modes:** Your heat pump may have different operating modes (e.g., Heating, Cooling, Auto). Refer to the control panel interface for specific mode selection.
- **Initial Heating:** It may take 24-72 hours to reach the desired temperature, depending on pool size, ambient temperature, and initial water temperature. Keep the pool covered when not in use to minimize heat loss.

6. MAINTENANCE

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

- **Clean Coils:** Periodically inspect and clean the evaporator coils to remove leaves, dirt, and debris. A soft brush or garden hose can be used. Ensure power is off before cleaning.
- **Clear Airflow:** Keep the area around the heat pump clear of obstructions to ensure proper airflow.
- **Water Chemistry:** Maintain proper pool water chemistry (pH, chlorine levels) to prevent corrosion and scale buildup in the heat exchanger.
- **Winterization:** Before freezing temperatures, drain all water from the heat pump and plumbing lines to prevent freeze damage. Consult a professional for proper winterization procedures.
- **Professional Inspection:** It is recommended to have a qualified technician inspect the unit annually.

7. TROUBLESHOOTING

Before contacting customer support, review these common issues and solutions:

Problem	Possible Cause	Solution
Heat pump not turning on	No power; tripped circuit breaker; unit switch off.	Check power supply, reset breaker, ensure unit switch is on.
Pool not heating sufficiently	Low ambient temperature; dirty coils; insufficient run time; low water flow.	Ensure coils are clean, allow more time, check pool pump and filter, verify water flow.
Error code displayed	Specific internal fault.	Note the error code and consult the full technical manual or contact a qualified technician.
Unusual noise	Debris in fan; loose components; compressor issue.	Turn off power, inspect for debris, tighten loose parts. If noise persists, contact service.

For issues not listed here or if solutions do not resolve the problem, please contact a qualified service technician.

8. SPECIFICATIONS

Feature	Detail
Brand	KAYSUN
Model	KSWP-80 Hn
ASIN	B071YNJDKK
Manufacturer	KAYSUN

Feature	Detail
Heating Capacity	8 kW
Recommended Pool Volume	40 - 60 m³
First Available Date	21 February 2020




9. WARRANTY AND SUPPORT

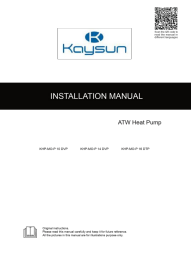


For warranty information, please refer to the warranty card included with your product or contact your authorized Kaysun dealer or the point of purchase. Keep your proof of purchase for warranty claims.

For technical support or service inquiries, please contact Kaysun customer service or your local distributor. Contact details can typically be found on the manufacturer's official website or on your purchase documentation.

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Related Documents - KSWP-80 Hn

	<p>Kaysun Compak Wall Hung Heat Pump Water Heater Installation and Owner's Manual</p> <p>This manual provides detailed instructions for the installation, operation, and maintenance of Kaysun Compak KHP-08/80 ACS1, KHP-09/100 ACS1, and KHP-09/150 ACS1 wall-hung heat pump water heaters. It covers safety precautions, basic operation principles, installation procedures, trial-running, daily operation, troubleshooting common issues, and regular maintenance schedules.</p>
	<p>Kaysun Multi Hybrid HR Outdoor Unit Installation and Owner's Manual</p> <p>This manual provides comprehensive installation and operation instructions for the Kaysun Multi Hybrid HR Outdoor Unit, including safety precautions, wiring diagrams, and maintenance guidelines. It covers models KAM3HR-52 DR8 and KAM4HR-80 DR8.</p>
	<p>Kaysun HR Outdoor Units Multisystem Service Manual</p> <p>Comprehensive service manual for Kaysun HR Outdoor Units Multisystem, covering model numbers KAM3HR-52 DR8 and KAM4HR-80 DR8. Provides detailed technical information, troubleshooting guides, and maintenance procedures for HVAC professionals.</p>

 <p>The cover of the Kaysun ATW Heat Pump Installation Manual features the Kaysun logo at the top left, a QR code at the top right, and the title 'INSTALLATION MANUAL' in a black box. Below this, 'ATW Heat Pump' is written, followed by model numbers KHP-MO 26 DTP, KHP-MO 30 DTP, and KHP-MO 35 DTP. A small icon of a person with a speech bubble is at the bottom left.</p>	<p>Kaysun ATW Heat Pump Installation Manual</p> <p>This installation manual provides comprehensive instructions for the Kaysun ATW Heat Pump, covering safety precautions, unit installation, electrical wiring, controller setup, commissioning, and maintenance. It details procedures for handling flammable refrigerants like R290 and emphasizes safety measures for qualified installers.</p>
 <p>The cover of the Kaysun Aquantia KHP-MO HT HP Installation Manual features the Kaysun logo at the top left, a QR code at the top right, and the title 'INSTALLATION MANUAL' in a black box. Below this, 'Aquantia KHP-MO HT HP' is written, followed by model numbers KHP-MO 26 DTP, KHP-MO 30 DTP, and KHP-MO 35 DTP. A small icon of a person with a speech bubble is at the bottom left.</p>	<p>Kaysun Aquantia KHP-MO HT HP Installation Manual</p> <p>Comprehensive installation manual for the Kaysun Aquantia KHP-MO HT HP series air-to-water heat pump outdoor units (models KHP-MO 26 DTP, 30 DTP, 35 DTP). Covers safety, installation, hydraulic and electrical connections, commissioning, and technical data.</p>
 <p>The cover of the Kaysun KI-07 Remote Control Installation and Service Manual features the Kaysun logo at the top left, the title 'NÁVOD NA INŠTALÁCIU A OBSLUHU' in a black box, and 'Diaľkový ovládač KI-07' below it. A small icon of a person with a speech bubble is at the bottom left.</p>	<p>Návod na Inštaláciu a Obsluhu Diaľkového ovládača Kaysun KI-07</p> <p>Podrobný návod na inštaláciu a používanie diaľkového ovládača Kaysun KI-07. Obsahuje bezpečnostné pokyny, popis funkcií, prevádzkové metódy a nastavenia parametrov pre klimatizačné jednotky.</p>