

DURATECH SUN 05

Sun Spring 5 kW Swimming Pool Heat Pump User Manual

Brand: DURATECH | **Model:** SUN 05

1. PRODUCT OVERVIEW

The DURATECH Sun Spring 5 kW Swimming Pool Heat Pump is designed to efficiently heat your swimming pool, providing a comfortable swimming experience. This model is suitable for pools up to 12m³.

Key Features:

- High energy efficiency with a COP of 5.6.
- Operates effectively in ambient temperatures as low as +10°C.
- Space-saving installation due to its vertical fan design.
- Intuitive and practical control panel with 3 buttons for easy operation.
- Corrosion-resistant titanium heat exchanger for extended durability.

Product Image:



This image displays the Sun Spring 5 kW Swimming Pool Heat Pump. It features a compact, vertical design with a control panel showing temperature readings and an air intake grille on the side. The power cord and plug are visible at the base.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing, operating, or performing maintenance on the heat pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- Ensure the heat pump is installed by a qualified professional in accordance with local electrical and plumbing codes.
- Always disconnect power to the unit before performing any service or maintenance.
- Do not operate the heat pump if any part is damaged or if the power cord is frayed.
- Keep children and pets away from the unit during operation.
- Ensure proper ventilation around the unit to prevent overheating.
- Do not block the air intake or exhaust vents.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your heat pump. Refer to the detailed installation guide provided with your product for specific instructions.

Placement:

The heat pump should be placed on a solid, level surface, ideally outdoors, with sufficient clearance around it for proper airflow. Avoid enclosed spaces or areas with poor ventilation. The unit dimensions are approximately 45.8 x 47.2 x 53 cm (L x W x H).

Electrical Connection:

Connect the heat pump to a dedicated electrical circuit as specified in the electrical requirements section of the full manual. Ensure all connections are secure and waterproof.

Plumbing Connection:

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. Ensure all plumbing connections are tight to prevent leaks.

4. OPERATING INSTRUCTIONS

The Sun Spring heat pump features an intuitive control panel for easy operation. Follow these steps to begin heating your pool:

1. **Power On:** Ensure the heat pump is properly connected to power and the pool pump is running.
2. **Set Desired Temperature:** Use the three buttons on the control panel to navigate the menu and set your desired pool water temperature. The digital display will show the current and target temperatures.
3. **Monitor Operation:** The heat pump will automatically begin heating the water to the set temperature. Allow time for the water to reach the desired warmth, as this can vary based on pool size and ambient conditions.
4. **Power Off:** To turn off the heat pump, use the control panel or disconnect power at the circuit breaker.

5. MAINTENANCE

Regular maintenance ensures the efficiency and longevity of your heat pump. Always disconnect power before performing any maintenance.

- **Clean Air Vents:** Periodically inspect and clean the air intake and exhaust vents to ensure they are free from debris, leaves, or other obstructions.
- **Check Water Flow:** Ensure adequate water flow through the heat pump. Reduced flow can impact performance.
- **Inspect Connections:** Regularly check electrical and plumbing connections for any signs of wear, corrosion, or leaks.
- **Winterization:** If you live in an area with freezing temperatures, follow proper winterization procedures to protect the unit from ice damage. Consult the full manual for detailed winterization steps.
- **Heat Exchanger:** The unit features a corrosion-resistant titanium heat exchanger, requiring minimal internal maintenance.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter. For more complex problems, contact a qualified technician.

Problem	Possible Cause	Solution
Heat pump not turning on.	No power, circuit breaker tripped, or faulty wiring.	Check power supply, reset circuit breaker, ensure proper electrical connections.
Water not heating sufficiently.	Low ambient temperature, insufficient water flow, or dirty air vents.	Ensure ambient temperature is above +10°C, check pool pump operation, clean air vents.
Unusual noise from the unit.	Debris in fan, loose components, or compressor issue.	Inspect for debris, tighten any loose parts. If noise persists, contact service.

7. SPECIFICATIONS

Detailed technical specifications for the DURATECH Sun Spring 5 kW Heat Pump:

Model Number	SUN 05
Manufacturer	Duratech
Product Dimensions (L x W x H)	45.8 x 47.2 x 53 cm
Product Weight	28 kilograms
Energy Type	AC
ASIN	B07BHNTLRT
Date First Available on Amazon.com.be	24 November 2021
Spare Parts Availability	Information unavailable

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact DURATECH customer service. Information regarding the availability of spare parts is currently unavailable.

For technical support or service inquiries, please visit the official DURATECH website or contact their authorized service centers. Always provide your model number (SUN 05) and purchase date when seeking support.

