Poolstar PC-NANO-A4

POOLEX Poolstar Nano Action 4 Heat Pump User Manual

Model: PC-NANO-A4

1. INTRODUCTION

The POOLEX Poolstar Nano Action 4 is a compact and efficient heat pump designed specifically for above-ground swimming pools. This manual provides essential information for the safe and effective installation, operation, and maintenance of your heat pump, ensuring you can extend your swimming season and enjoy comfortable water temperatures.

Image 1.1: Front view of the POOLEX Poolstar Nano Action 4 Heat Pump.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply matches the specifications of the heat pump.
- Do not operate the heat pump if the power cable or plug is damaged.
- Keep children and pets away from the unit during operation.
- The 5-meter power cable is equipped with a 10 mA differential protection for enhanced safety. Do not bypass or modify this safety feature.
- Always disconnect power before performing any maintenance or cleaning.
- Ensure proper ventilation around the unit. Do not block air inlets or outlets.

3. PACKAGE CONTENTS

Verify that all items are present in the packaging before beginning installation.

- POOLEX Poolstar Nano Action 4 Heat Pump unit

- Power cable with 10 mA differential protection (5 meters)

- PVC connections (32 mm diameter, 1.5 inch)

- Maintenance kit

- Multilingual user manual

Image 3.1: The POOLEX Poolstar Nano Action 4 heat pump packaging, showing included accessories.

4. SETUP AND INSTALLATION

The Nano Action 4 heat pump features a "Plug & Play" design for quick and easy installation. No bypass is required for its operation.

4.1. Placement

Place the heat pump on a stable, level surface near your above-ground pool. Ensure there is adequate space around the unit for proper airflow (at least 50 cm clearance on all sides, especially around the fan and air vents).

4.2. Water Connections

1. Connect the pool's filtration system outlet to the "IN" port of the heat pump using the provided 32 mm PVC connections.

2. Connect the "OUT" port of the heat pump back to the pool's inlet.

3. Ensure all connections are secure and watertight to prevent leaks.

Image 4.1: Included PVC connections (32mm diameter) for connecting to your pool's filtration system.

4.3. Electrical Connection

1. Plug the 5-meter power cable into a standard electrical outlet. The cable includes a 10 mA differential protection for safety.

2. Do not use extension cords or adapters unless absolutely necessary and ensure they are rated for outdoor use and the heat pump's power requirements.

Image 4.2: The 5-meter power cable with integrated 10 mA differential protection for safe operation.

Image 4.3: Example setup of the POOLEX Nano Action 4 heat pump connected to an above-ground pool.

5. OPERATING INSTRUCTIONS

The POOLEX Poolstar Nano Action 4 is designed for ease of use, allowing you to quickly heat your pool water.

5.1. Initial Start-up

Once connected, ensure your pool's filtration system is running. The heat pump will begin to operate automatically when the water flow is detected and the temperature setting requires heating. The unit is capable of operating effectively from an ambient temperature of 8°C.

5.2. Temperature Control

Use the control panel on the unit to set your desired water temperature. The heat pump will work to achieve and maintain this temperature, significantly extending your bathing season.

5.3. Extending the Bathing Season

This heat pump is ideal for wooden or steel pools and can heat your pool in just a few hours, allowing you to enjoy your pool earlier in the spring and later into the autumn.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your heat pump.

- **Cleaning:** Periodically clean the exterior of the unit with a soft, damp cloth. Ensure the air intake and exhaust grilles are free from debris, leaves, and other obstructions.
- **Water Quality:** Maintain proper pool water chemistry to prevent scale buildup and corrosion within the heat pump.
- **Winterization:** If you live in an area with freezing temperatures, follow proper winterization procedures to drain the unit and protect it from frost damage. Consult the detailed multilingual manual for specific steps.
- **Maintenance Kit:** Utilize the provided maintenance kit for routine care as instructed in the full manual.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, please contact customer support.

Problem	Possible Cause	Solution
Heat pump not turning on.	No power, tripped breaker, insufficient water flow.	Check power connection, reset breaker, ensure pool pump is running and water flow is adequate.
Insufficient heating.	Low ambient temperature, dirty coils, incorrect temperature setting, pool too large.	Verify temperature setting, clean coils, ensure unit is suitable for pool volume. Note that performance decreases in very low temperatures.
Error Code P7 (Frost Protection).	Unit detects freezing conditions or a sensor malfunction.	Ensure ambient temperature is above 8°C. If the temperature is warm and the error persists, contact customer support.
Unusual noise.	Debris in fan, loose components.	Inspect fan for obstructions. If noise persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	PC-NANO-A4
Manufacturer	Poolstar
Product Dimensions (L x W x H)	40 x 28 x 38.5 cm
Weight	20 kg
Power Consumption	810 W
Recommended Pool Volume	15 to 28 m³
Minimum Operating Temperature	8°C
Electrical Protection	10 mA differential protection
Hose Connections	32 mm diameter, 1.5 inch

Feature	Detail

9. WARRANTY AND SUPPORT

All POOLEX products come with a comprehensive warranty to ensure your peace of mind.
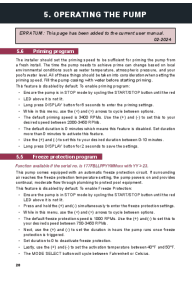
9.1. Product Warranty

The POOLEX Poolstar Nano Action 4 heat pump is covered by a **2-year warranty** from the date of purchase. Please retain your proof of purchase and warranty documentation for any claims.

9.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Poolstar customer service. Having your model number (PC-NANO-A4) and purchase details ready will help expedite your request.
For more information, you can visit the official Poolstar website or the POOLEX Store on Amazon: POOLEX Store

Related Documents - PC-NANO-A4

[Poolex ICE SPA Heat Pump Installation and User Manual](#)
Comprehensive installation and user manual for the Poolex ICE SPA heat pump by Poolstar, covering setup, operation, maintenance, troubleshooting, and warranty information. Includes technical specifications and mobile app integration.

[COYOTE Robotic Pool Cleaner User Manual - Poolstar](#)
Comprehensive user manual for the COYOTE robotic pool cleaner by Poolstar. Includes specifications, operation instructions, troubleshooting guide, and warranty information.

[Poolstar Netspa Cleaner: Aquatic Wireless Vacuum for Spas and Pools](#)
Discover the Poolstar Netspa Cleaner, a revolutionary aquatic wireless vacuum designed for effortless maintenance of spas and above-ground pools. Features include a telescopic handle, powerful suction, and a 60-minute autonomy.

[Poolex MAG FI: Instrukcja Obsługi i Montażu Pompy Ciepła do Basenu](#)

Kompleksowa instrukcja obsługi i montażu dla pompy ciepła Poolex MAG FI. Odkryj szczegółowe wskazówki dotyczące instalacji, użytkowania i konserwacji, aby zapewnić optymalne ogrzewanie basenu.

[Manuel d'installation et d'utilisation Poolex O'SPA](#)

Manuel complet pour l'installation, l'utilisation, la maintenance et le dépannage de la pompe à chaleur Poolex O'SPA. Inclut des consignes de sécurité essentielles et des spécifications techniques.

[Operating the Pump: Priming and Freeze Protection Guide](#)

Detailed instructions on operating a pool pump, including how to set up the priming program and enable freeze protection. Learn about speed settings, durations, and temperature configurations for Poolstar pumps.