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POOLEX PC-TOP120

POOLEX PC-TOP120 Silverline Top Pool Heat Pump

User Instruction Manual

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your POOLEX PC-TOP120 Silverline Top pool heat pump. This single-phase vertical full inverter heat pump is designed for pools between 50 and 70 cubic meters, offering both heating and cooling functionalities. It features high energy efficiency, quiet operation, and integrated WiFi for remote control.



Image 1: Front view of the POOLEX PC-TOP120 Silverline Top Pool Heat Pump.

Key Features:

- Optimized performance for rapid pool heating (50-70 m³).
- High energy efficiency with COP up to 10.94, offering significant energy savings.
- Ultra-quiet operation at 52 dB (at 1 meter).
- Integrated WiFi for remote control via a mobile application.
- Robust design with up to a 15-year warranty on the heat exchanger.
- Compatible with salt treatment systems.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation to prevent injury or damage to the unit. Keep this manual for future reference.

- Ensure the unit is installed by a qualified professional in accordance with local electrical and plumbing

codes.

- Do not operate the unit if any part is damaged or if it is not functioning correctly.
- Keep children and pets away from the unit during operation.
- Ensure proper ventilation around the heat pump. Do not block air inlets or outlets.
- Disconnect power before performing any maintenance or service.
- The unit contains R-32 refrigerant. Handle with care and ensure proper disposal if necessary.

3. PRODUCT COMPONENTS

The following components are typically included with your POOLEX PC-TOP120 Silverline Top heat pump:

- POOLEX PC-TOP120 Heat Pump Unit
- Winter Cover
- Mounting Kit
- Exhaust Hose
- Maintenance Box
- User Manual (this document)

4. INSTALLATION AND SETUP

4.1. Placement Considerations

Proper placement is crucial for efficient operation. Ensure adequate space around the unit for airflow and maintenance.

- Install the heat pump on a solid, level surface.
- Maintain a minimum clearance of 50 cm (20 inches) from any obstructions on the air intake side and 100 cm (40 inches) on the air exhaust side.
- Avoid installing the unit in enclosed spaces or areas with poor ventilation.

Silverline Top 150 - 200 - 150 Tri - 200 Tri

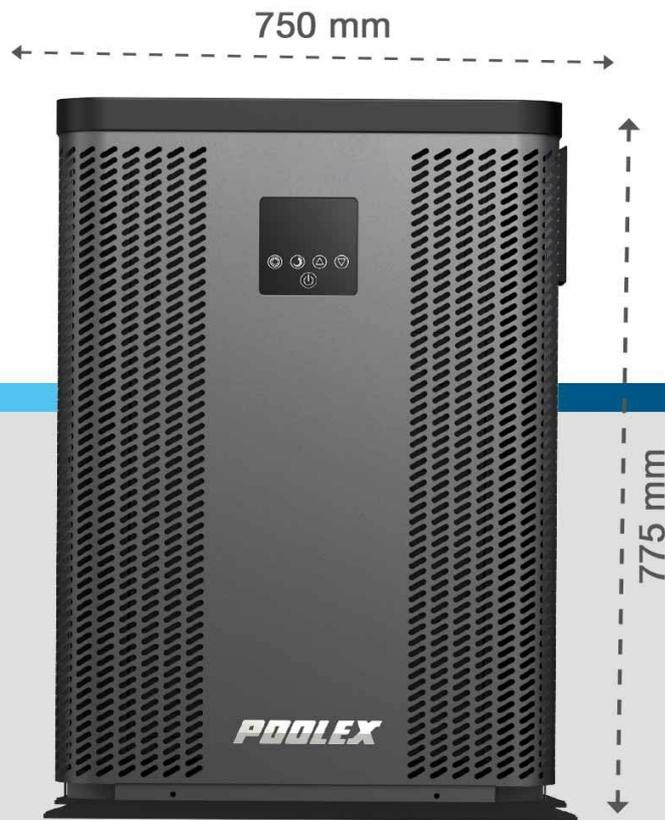


Image 2: Dimensions for Silverline Top 60, 90, and 120 models. The PC-TOP120 has a width of 582 mm and a height of 775 mm.

4.2. Electrical Connection

The POOLEX PC-TOP120 requires a 240 Volt corded electrical power source. Ensure the electrical circuit is dedicated and properly sized for the heat pump's power requirements (12 Watts, though actual operational power will be higher for heating/cooling). A qualified electrician must perform all electrical connections.

4.3. Plumbing Connection

Connect the heat pump to your pool's filtration system. The unit operates as a split system, integrating into your existing plumbing. Follow the diagrams provided in the full installation guide for correct water inlet and outlet connections.



Image 3: Side view of the heat pump, illustrating the water inlet and outlet connections.

5. OPERATION

5.1. Control Panel

The heat pump is equipped with a user-friendly control panel for direct operation. Refer to the detailed diagram in the full manual for specific button functions.

Silverline Top 60-90-120

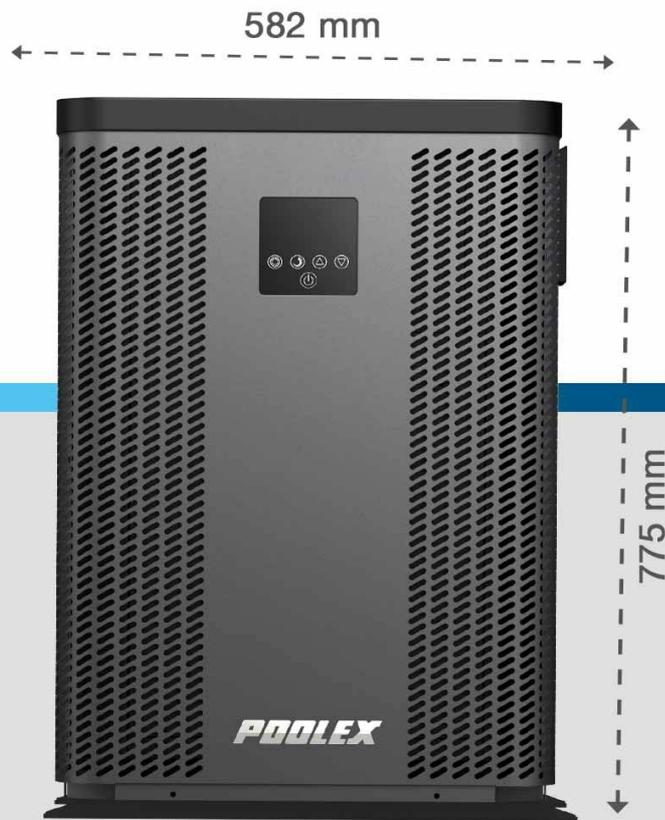


Image 4: Close-up of the heat pump's control panel, showing power, mode, and temperature adjustment buttons.

5.2. Heating and Cooling Functions

The unit can be set to heat or cool your pool water. Select the desired mode using the control panel or mobile application. Set your target temperature, and the inverter technology will adjust its operation to efficiently reach and maintain it.

5.3. WiFi Connectivity and Mobile App

The integrated WiFi allows for remote control and monitoring via a dedicated mobile application. Download the POOLEX app from your device's app store and follow the in-app instructions to connect your heat pump. This enables simplified management of settings from anywhere.



Image 5: The heat pump operating in a pool environment, showcasing its Full Inverter technology and remote control capabilities via a mobile app.

6. MAINTENANCE

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

- **Cleaning:** Periodically clean the exterior of the unit and ensure air intake and exhaust grilles are free from debris (leaves, dirt, etc.). Use a soft cloth and mild detergent if necessary.
- **Winterization:** During colder months or when the pool is not in use, disconnect the unit from power and drain all water from the heat pump. Use the provided winter cover to protect the unit from harsh weather conditions.
- **Professional Inspection:** It is recommended to have a qualified technician inspect the unit annually to check refrigerant levels, electrical connections, and overall system health.

7. TROUBLESHOOTING

If you encounter issues with your heat pump, refer to the following common troubleshooting steps. For complex problems, contact customer support.

- **Unit Not Starting:** Check power supply, circuit breaker, and ensure the unit is properly connected. Verify the desired temperature setting is above (for heating) or below (for cooling) the current pool temperature.
- **Insufficient Heating/Cooling:** Ensure pool pump is running and water flow is adequate. Check for blockages in the water circuit or air grilles. Verify ambient temperature is within the operating range of the heat pump.
- **Unusual Noise:** Inspect for loose components or debris inside the unit. If the noise persists, contact a technician.
- **Error Codes:** Consult the full manual for a list of error codes and their corresponding solutions.

8. SPECIFICATIONS

Specification	Value
Brand	POOLEX
Manufacturer	POOLSTAR
Product Model Number	PC-TOP120
Style	Silverline Top 120
Size (Pool Volume)	120 (50-70 m ³)
Product Dimensions (L x W x H)	51.5 x 58.2 x 77.5 cm
Product Weight	58 kg
Color	Gray
Material	Plastic
Power Source	Corded Electric
Voltage	240 Volts
Electric Power	12 Watts
Installation Method	Split System
Sound Level	52 Decibels
Efficiency Rating	A+
European Energy Efficiency Class	A+ to G
Special Features	Rapid Cooling, Heating and Cooling Function, WiFi Enabled
Cooling Power	10.09 Kilowatts

Specification	Value
Refrigerant	R-32
Batteries Required	No

9. WARRANTY AND SUPPORT

The POOLEX PC-TOP120 Silverline Top heat pump comes with a warranty of up to 15 years on the heat exchanger, ensuring long-term performance and reliability. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official POOLEX website.

For technical support, spare parts, or service inquiries, please contact your authorized POOLEX dealer or the manufacturer's customer service. Keep your purchase receipt and product model number (PC-TOP120) readily available when contacting support.