Pentair LA-MS05

Pentair LAMS05 Pump Booster

Instruction Manual

Official User Guide for Model LA-MS05

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Pentair LAMS05 Pump Booster. This pump is designed to deliver greater water pressure for more powerful and efficient pressure-side cleaning in pool systems.
Key features include:

- Condensed size, approximately 1/3 smaller than comparable pumps, optimizing equipment pad space.
- Innovative 5-stage impeller design engineered to reduce electricity consumption by up to 25%.
- Improved 1-inch fittings, offering 75% larger area for enhanced flow and efficiency.
- Totally Enclosed Fan Cooled (TEFC) motor for cooler and quieter operation.

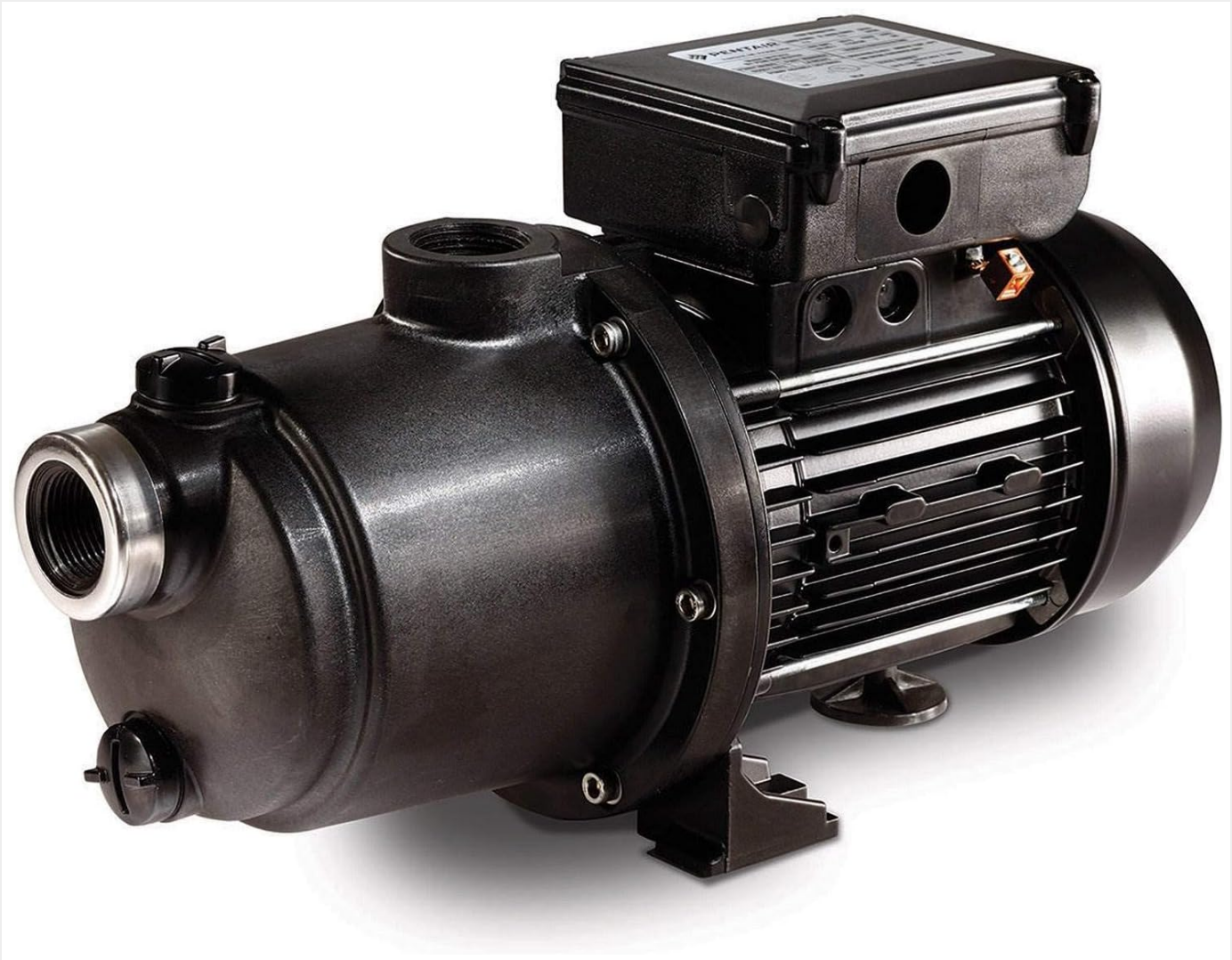


Figure 1: The Pentair LAMS05 Pump Booster, a compact and efficient pump designed for pool systems.

2. Safety Information

Always read and follow all safety instructions before installing, operating, or servicing this equipment. Failure to follow these instructions can result in serious injury or death.

- Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- Disconnect power before performing any service or maintenance.
- Do not operate the pump if it is damaged or malfunctioning.
- Keep children and pets away from the pump and pool equipment area.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

3. Setup and Installation

The Pentair LAMS05 Pump Booster is designed for pressure-side installation. Proper installation is crucial for optimal performance and safety.

3.1 Site Selection

- Install the pump in a well-ventilated area, protected from direct sunlight and excessive moisture.
- Ensure the installation site allows for easy access for maintenance and service.
- Due to its condensed size, the pump requires less space on the equipment pad compared to larger models.

3.2 Plumbing Connections

- Connect the pump using the improved 1-inch fittings. These larger fittings facilitate better flow and efficiency.
- Use appropriate PVC cement and primer for secure, leak-free connections.
- Ensure all plumbing is properly supported to prevent strain on the pump.

3.3 Electrical Connections

- The pump operates on electric power. Refer to the pump's motor label for specific voltage and amperage requirements.
- All wiring must conform to national and local electrical codes.
- Ensure a proper ground connection is established.

4. Operating Instructions

The Pentair LAMS05 Pump Booster is designed for straightforward operation, often controlled remotely as part of a larger pool automation system.

4.1 Initial Start-up

1. Ensure all plumbing connections are secure and the system is filled with water.
2. Verify that the pump is properly primed before starting.
3. Turn on the power supply to the pump.

4.2 Normal Operation

- The pump will begin to operate, providing increased water pressure for your pressure-side cleaner.
- The Totally Enclosed Fan Cooled (TEFC) motor ensures cooler and quieter operation during use.
- Monitor the system for any unusual noises or leaks.

4.3 Control Method

This pump is typically controlled remotely, integrating seamlessly with most pool automation systems. Consult your pool system's manual for specific remote control instructions.

5. Maintenance

Regular maintenance ensures the longevity and efficient performance of your Pentair LAMS05 Pump Booster.

5.1 Routine Checks

- Periodically inspect the pump for any signs of wear, leaks, or damage.
- Ensure the area around the pump is clear of debris to allow for proper ventilation of the TEFC motor.
- Check plumbing connections for tightness.

5.2 Cleaning

- The pump's exterior, made of durable materials like Acrylonitrile Butadiene Styrene (ABS), Polypropylene, and Nylon, can be wiped clean with a damp cloth.
- Do not use harsh chemicals or abrasive cleaners.

5.3 Winterization (if applicable)

In colder climates, follow standard pool equipment winterization procedures to protect the pump from freezing temperatures. This typically involves draining the pump and storing it in a warm, dry place.

6. Troubleshooting

This section provides solutions to common issues you might encounter with your pump. For problems not listed here, contact Pentair customer support.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped breaker; motor issue	Check power supply and circuit breaker. Consult an electrician if motor issues persist.
Low water pressure	Clogged impeller; air leak in suction line; improper priming	Inspect and clean impeller. Check all plumbing connections for leaks. Re-prime the pump.
Excessive noise or vibration	Bearing wear; cavitation; loose mounting	Ensure pump is securely mounted. Check for proper water flow to prevent cavitation. Contact service for bearing issues.
Water leak from pump	Loose fittings; worn seal	Tighten all plumbing connections. If leak persists, a seal replacement may be necessary by a qualified technician.

7. Specifications

Attribute	Detail
Model Number	LA-MS05
Brand	Pentair
Power Source	Electric
Installation Type	Pressure Side
Control Method	Remote
Efficiency	High
Product Dimensions	13.5 x 20 x 10.5 inches (34.3 x 50.8 x 26.7 cm)
Item Weight	2.81 pounds (1.27 kg)
Material	Acrylonitrile Butadiene Styrene (ABS), Polypropylene, Nylon
Color	Black
UPC	788379860431

8. Warranty and Support

For warranty information and technical support, please contact Pentair directly. Keep your purchase receipt and product model number (LA-MS05) handy when contacting support.
You can find more information and contact details on the official Pentair website or through their Amazon store page: Pentair Store on Amazon.

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Model: LA-MS05

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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