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› ClimaTek Round Flange Pool Spa Pump Motor 1.25 HP User Manual

ClimaTek 7-193632-24

ClimaTek Pool/Spa Pump Motor User Manual

Model: 7-193632-24

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your new ClimaTek Round Flange Pool/Spa Pump Motor. This motor is a 1.25 HP replacement unit designed for compatibility with various pool and spa pump systems. Please read this manual thoroughly before proceeding with any installation or operation.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock or Electrocution.

- Always disconnect power to the pump motor at the circuit breaker before attempting any installation, maintenance, or repair.
- Installation and servicing must be performed by a qualified electrician or certified pool technician in accordance with all local and national electrical codes.
- Ensure proper grounding of the motor to prevent electrical hazards.
- Do not operate the motor if it is damaged or if any electrical components are exposed to water.
- Keep children and unauthorized persons away from the pump area during operation and maintenance.

CAUTION: Risk of Injury.

- The motor may become hot during operation. Allow it to cool before handling.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, during installation and maintenance.
- Ensure all connections are secure to prevent leaks or mechanical failures.

3. PRODUCT OVERVIEW

The ClimaTek Round Flange Pool/Spa Pump Motor (Model: 7-193632-24) is a high-quality replacement component designed to restore optimal performance to your pool or spa pump system. It features a robust design built for durability

and efficiency.

Key Features:

- Directly replaces Part # 7-193632-24.
- 1.25 Horsepower for effective water circulation.
- Round Flange design for broad compatibility.
- Built to last with top-quality ClimaTek components.



Figure 3.1: The ClimaTek Round Flange Pool Spa Pump Motor. This image shows the black motor body with a silver-grey flange and shaft extending from the front. A blue 'Aqua Shield' label is visible on the side of the motor.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your new motor. It is highly recommended that installation be performed by a qualified professional.

Installation Steps (General Guidelines):

1. **Preparation:** Ensure the power supply to the existing pump system is completely disconnected at the circuit breaker. Verify with a voltage tester.
2. **Drain System:** Drain the pool/spa system to a level below the pump to prevent water spillage during motor removal.
3. **Disconnect Wiring:** Carefully disconnect all electrical wiring from the old motor, noting the connections for proper re-installation. Take photos if necessary.
4. **Remove Old Motor:** Unbolt and remove the old motor from the pump housing. Be mindful of any gaskets or seals.
5. **Inspect Pump Housing:** Clean the pump housing thoroughly and inspect for any damage or wear. Replace any worn gaskets or seals.
6. **Mount New Motor:** Carefully align the new ClimaTek motor with the pump housing and secure it using the appropriate bolts. Ensure a tight, leak-free seal.

7. **Connect Wiring:** Reconnect the electrical wiring to the new motor, following the wiring diagram provided with your pump or the original motor's connections. Ensure all connections are secure and insulated.
8. **Grounding:** Verify that the motor is properly grounded according to local electrical codes.
9. **Test System:** Once installation is complete, slowly refill the pool/spa. Inspect for leaks. Restore power and test the pump operation. Monitor for unusual noises or vibrations.

For detailed wiring instructions, refer to the specific wiring diagram for your pump model or consult a qualified electrician.

5. OPERATION

Once properly installed, the ClimaTek motor operates as part of your pool or spa pump system. The motor's function is to drive the pump impeller, circulating water through the filtration system.

Operating Guidelines:

- Ensure the pump is primed before starting the motor to prevent dry running, which can cause damage.
- Operate the pump according to the manufacturer's recommendations for your specific pool/spa system.
- Monitor the motor for any unusual noises, vibrations, or excessive heat during operation.
- Do not block the motor's ventilation openings, as this can lead to overheating.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your ClimaTek pump motor.

Recommended Maintenance:

- **Regular Inspection:** Periodically inspect the motor for any signs of wear, corrosion, or damage. Check for loose wiring connections.
- **Cleanliness:** Keep the motor and its ventilation openings free from dirt, debris, and obstructions. Use a soft brush or cloth to gently clean the exterior.
- **Environmental Protection:** Ensure the motor is protected from direct exposure to harsh weather conditions, excessive moisture, or corrosive chemicals.
- **Noise and Vibration Check:** Listen for any changes in motor noise or increased vibration, which could indicate a developing issue.

Always disconnect power before performing any maintenance.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your pump motor. For problems not listed here, or if solutions do not resolve the issue, contact a qualified professional.

Problem	Possible Cause	Solution
Motor does not start	No power; tripped breaker; faulty wiring; seized impeller	Check power supply and circuit breaker. Verify wiring connections. Inspect pump impeller for obstructions.

Problem	Possible Cause	Solution
Motor hums but does not start	Capacitor issue; seized motor bearings; impeller obstruction	Disconnect power. Check for impeller obstruction. If issue persists, professional service is required.
Motor overheats and shuts off	Insufficient ventilation; low voltage; excessive load; faulty bearings	Ensure clear ventilation. Check power supply voltage. Reduce pump load if possible. Professional inspection may be needed.
Excessive noise or vibration	Loose mounting; worn bearings; impeller imbalance	Check motor mounting bolts. Professional inspection for internal components.

8. SPECIFICATIONS

- **Model:** 7-193632-24
- **Brand:** ClimaTek
- **Horsepower:** 1.25 HP
- **Product Dimensions:** 11 x 18 x 10 inches
- **Item Weight:** 24 Pounds (384 Ounces)
- **Manufacturer:** ClimaTek
- **Date First Available:** August 31, 2020

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your ClimaTek pump motor, please refer to the documentation provided at the time of purchase or visit the official ClimaTek website. You may also contact ClimaTek customer service directly for assistance.

Visit the ClimaTek Store: [ClimaTek Official Store](#)

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