Taco 133-119

Taco 133-119 Pump Motor Instruction Manual

3/4 HP - 115V/230V/60/1Ph

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Taco 133-119 Pump Motor. This motor is designed for reliable performance in various pumping applications, featuring a 3/4 horsepower rating and compatibility with both 115V and 230V, 60Hz, single-phase power supplies.

Image: The Taco 133-119 Pump Motor, a compact red unit with a brass fitting, designed for efficient fluid circulation.

2. Safety Information

Always observe the following safety precautions to prevent personal injury and damage to the equipment.

- **Electrical Hazard:** Disconnect all power before servicing the pump motor. Installation and wiring must be performed by a qualified electrician in accordance with all local and national electrical codes.
- **Hot Surfaces:** The motor may become hot during operation. Avoid contact with hot surfaces to prevent burns.
- **Moving Parts:** Keep hands, hair, and clothing clear of moving parts during operation.

- **Proper Grounding:** Ensure the motor is properly grounded to prevent electrical shock.
- **Water Damage:** Protect electrical components from water exposure. Do not operate the motor in flooded conditions.

3. Setup

Proper installation is crucial for the longevity and performance of your pump motor.

1. **Mounting:** Securely mount the pump motor to a stable, level surface using appropriate fasteners. Ensure there is adequate ventilation around the motor.
2. **Plumbing Connections:** Connect the pump to the piping system. Ensure all connections are tight and leak-free. Use appropriate sealants if necessary.
3. **Electrical Wiring:** Connect the motor to the power supply (115V or 230V) according to the wiring diagram provided on the motor's nameplate and in compliance with local electrical codes. Ensure the correct voltage setting is selected if the motor is dual-voltage capable.
4. **Priming (if applicable):** If your pump requires priming, follow the pump manufacturer's instructions to ensure the pump volute is filled with fluid before initial startup.

4. Operating

Follow these steps for safe and effective operation of the pump motor.

1. **Pre-Operation Check:** Before starting, verify all connections are secure, the system is free of leaks, and the power supply is correct.
2. **Starting the Motor:** Apply power to the motor. The motor should start smoothly and quietly.
3. **Monitoring:** Observe the pump and motor during operation for any unusual noises, vibrations, or excessive heat. Ensure the system is circulating fluid as expected.
4. **Stopping the Motor:** Disconnect power to stop the motor.

5. Maintenance

Regular maintenance helps ensure optimal performance and extends the lifespan of your pump motor.

- **Routine Inspection:** Periodically inspect the motor for signs of wear, corrosion, or damage. Check electrical connections for tightness.
- **Cleaning:** Keep the motor clean and free of dust and debris, especially around cooling fins, to ensure proper heat dissipation.
- **Lubrication:** This motor is typically designed with sealed bearings that do not require lubrication. Refer to the motor's nameplate or specific documentation for lubrication requirements if any.

- **Vibration Check:** Monitor for excessive vibration, which could indicate misalignment or bearing issues.

6. Troubleshooting

Refer to the table below for common issues and their potential solutions.

Problem	Possible Solution
Motor does not start	Check power supply, circuit breaker, and electrical connections. Verify correct voltage setting.
Motor runs hot	Ensure adequate ventilation. Check for proper voltage. Verify pump is not running dry or against a closed valve.
Excessive noise or vibration	Check for loose mounting bolts. Inspect for foreign objects in the pump. Bearings may be worn.
Pump not moving fluid	Check if pump is primed. Inspect for blockages in piping. Verify correct rotation direction (if applicable).

7. Specifications

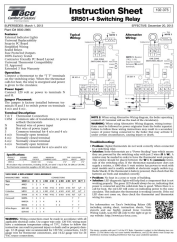
Key technical specifications for the Taco 133-119 Pump Motor.

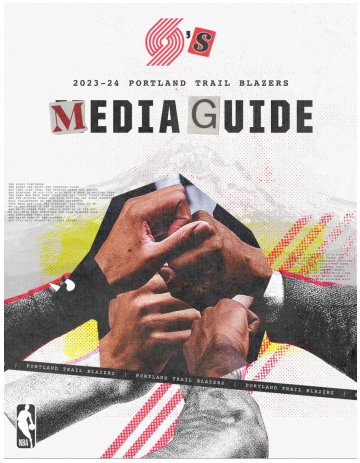
Feature	Value
Brand	Taco
Model Number	133-119
Part Number	133119
Horsepower	0.75 HP
Voltage	115V/230V
Frequency	60 Hz
Phase	1 Ph
UPC	687752435177
ASIN	B00562N4TG

8. Warranty and Support

Taco products are manufactured to high standards and are typically covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Taco website.
For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Taco customer service or an authorized service center. Ensure you have your model number (133-119) and serial number (if applicable) ready when contacting support.

Related Documents

	Taco 1600 Series In-Line Pumps: Reliable & Efficient Water Circulation Discover the Taco 1600 Series In-Line Pumps, engineered for ultimate reliability, ease of installation, and quiet performance in heating, air conditioning, pressure boosting, and water supply applications. View detailed features, specifications, and dimensions.
	Taco KV Vertical In-Line Pump Installation, Operation & Maintenance Manual Comprehensive guide for the Taco KV Vertical In-Line Pump (Model 302-031), covering installation, operation, maintenance, dis-assembly, re-assembly, application details, wear ring clearances, problem analysis, and warranty information.
	Taco SR501-4 Switching Relay Instruction Sheet and Wiring Guide Detailed instruction sheet for the Taco SR501-4 Switching Relay, covering features, operation, wiring diagrams, specifications, troubleshooting, and warranty information for HVAC professionals.
	Taco 007e ECM High-Efficiency Circulator Pump: Features, Specifications, and Applications Comprehensive guide to the Taco 007e ECM High-Efficiency Circulator pump, detailing its advanced features, technical specifications, materials, installation applications for hydronic and potable water systems, and performance characteristics.



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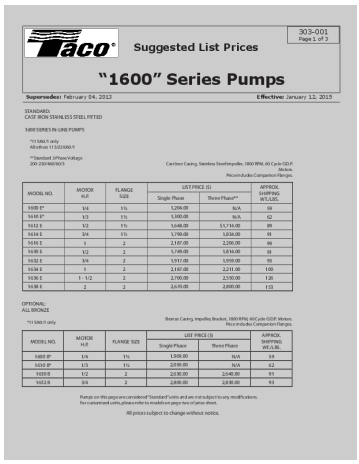

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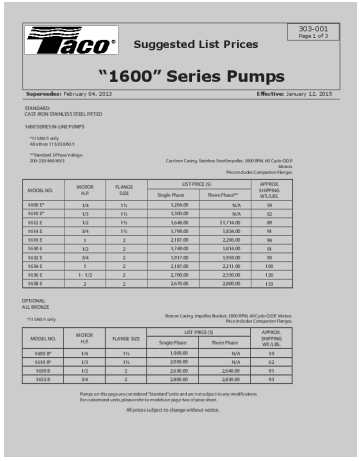

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