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Ametek 119678-00

Ametek Lamb 119678-00 Bypass Ball Bearing Motor

INSTRUCTION MANUAL

Product Overview

This manual provides instructions for the installation, operation, and maintenance of the Ametek Lamb 119678-00 Bypass Ball Bearing Motor. This motor is designed for use in various central vacuum systems and similar applications requiring a 240V, 60Hz bypass motor.



Image: Ametek Lamb 119678-00 Bypass Ball Bearing Motor. This image displays the motor unit, highlighting its compact design and electrical connections.

Safety Information

- Always disconnect power before installing, servicing, or cleaning the motor.
- Ensure proper grounding to prevent electrical shock.
- Installation should be performed by a qualified technician.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Do not operate the motor if it is damaged or if any electrical connections are loose.

Setup and Installation

1. **Preparation:** Ensure the central vacuum unit or appliance is disconnected from the main power supply. Clear the work area and gather necessary tools.
2. **Access Motor Compartment:** Open the housing of the central vacuum system or appliance to access the existing motor. Refer to the appliance's specific service manual for detailed instructions on accessing the motor.
3. **Remove Old Motor:** Carefully disconnect all electrical wiring from the old motor, noting the

connections for reinstallation. Remove any mounting hardware securing the old motor.

- 4. **Install New Motor:** Position the Ametek Lamb 119678-00 motor in the designated compartment. Secure it using the appropriate mounting hardware.
- 5. **Wire Connections:** Connect the electrical wiring to the new motor. This motor operates at 240 Volts, 60Hz. Ensure all connections are secure and match the original configuration. Consult a wiring diagram if available.
- 6. **Verify Installation:** Double-check all connections and mounting. Ensure no wires are pinched and the motor is seated correctly.
- 7. **Close Compartment:** Reassemble the appliance housing.

Operating Instructions

The Ametek Lamb 119678-00 motor is designed for integration into central vacuum systems. Once properly installed, its operation is typically controlled by the central vacuum unit's power switch or remote activation system.

- Ensure the central vacuum system is properly assembled and all filters are in place before operation.
- Activate the central vacuum system according to its manufacturer's instructions. The motor will engage to provide suction.
- This motor is compatible with various central vacuum models, including Dirt Devil 3400, Dirt Devil Pro 1490, Vacuflo FC1550, Beam 2900, Beam 2900A, Beam 3500A, and Royal SC1200.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your motor. Always disconnect power before performing any maintenance.

- **Inspection:** Periodically inspect the motor for any signs of wear, damage, or unusual noise during operation.
- **Cleaning:** Keep the motor and its surrounding area free from excessive dust and debris to ensure proper ventilation and prevent overheating. Use a soft brush or compressed air for cleaning.
- **Carbon Brushes:** As a ball bearing motor, this unit typically has a longer lifespan for its internal components. However, if the motor's performance degrades over time, consult a qualified technician to inspect internal components like carbon brushes for wear.
- **Professional Service:** For any complex issues or internal repairs, it is recommended to seek service from a qualified motor technician.

Troubleshooting

If the motor is not functioning as expected, review the following common issues and solutions:

Problem	Possible Cause	Solution
Motor does not start	No power supply; Loose wiring; Blown fuse/tripped breaker; Motor failure	Check power connection; Verify wiring connections; Reset breaker/replace fuse; Consult technician for motor replacement
Motor runs but with reduced suction	Clogged filters/hoses in central vacuum; Air leaks in system; Motor wear	Inspect and clean filters/hoses; Check system for leaks; Consult technician for motor inspection

Problem	Possible Cause	Solution
Unusual noise or vibration	Loose mounting; Foreign object in motor; Worn bearings	Check mounting hardware; Disconnect power and inspect for obstructions; Consult technician for bearing replacement
Motor overheats	Poor ventilation; Excessive load; Internal fault	Ensure adequate airflow around motor; Reduce load if possible; Disconnect power and consult technician

Specifications

- **Model Number:** 119678-00
- **Brand:** Ametek Lamb
- **Voltage:** 240 Volts
- **Frequency:** 60Hz
- **Motor Type:** Bypass, Ball Bearing
- **Compatible Central Vac Models:** Dirt Devil 3400, Dirt Devil Pro 1490, Vacuflo FC1550, Beam 2900, Beam 2900A, Beam 3500A, Royal SC1200
- **UPC:** 704550034316

Warranty and Support

For warranty information, please refer to the documentation provided at the time of purchase or contact the seller or manufacturer directly. Technical support can be obtained through the original point of purchase or by contacting Ametek Lamb customer service.

It is recommended to retain your purchase receipt for warranty claims.