

Fasco D1155

Fasco D1155 OEM Replacement Motor Instruction Manual

Model: D1155

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Fasco D1155 OEM Replacement Motor. The Fasco D1155 is a 3.3-inch frame, shaded pole, totally enclosed motor designed as an OEM replacement for specific Thermador (Tradewinds) units. It features a sleeve bearing, thermal protection, and is UL recognized and CSA certified.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the motor and associated equipment:

- **Disconnect Power:** Ensure all power to the equipment is disconnected at the circuit breaker or fuse box before installation, maintenance, or troubleshooting.
- **Qualified Personnel:** Installation and servicing should only be performed by qualified and experienced personnel.
- **Proper Grounding:** Ensure the motor and associated equipment are properly grounded according to local electrical codes.
- **Thermal Protection:** This motor is thermally protected. If the motor overheats and shuts off, allow it to cool before attempting to restart. Investigate the cause of overheating.
- **Shaft Rotation:** Verify the correct shaft rotation (Counterclockwise Shaft End) before final installation to ensure proper fan or appliance operation.
- **Avoid Obstructions:** Ensure the motor's shaft and fan (if applicable) are free from obstructions during operation.
- **Environmental Conditions:** Operate the motor within its specified voltage, frequency, and temperature ranges.

PRODUCT OVERVIEW

The Fasco D1155 motor is designed for reliability and compatibility as an OEM replacement. Key features include:

- **OEM Replacement:** Specifically designed to replace motors in Thermador (Tradewinds) models 17-09-679, VQT-90, and JA2M087R.
- **Sleeve Bearing:** Provides smooth and quiet operation.
- **Thermally Protected:** Built-in protection against overheating.
- **Certifications:** UL recognized and CSA certified for safety and quality assurance.
- **Shaft Rotation:** Counterclockwise when viewed from the shaft end.



An angled view of the Fasco D1155 motor, showing its cylindrical black casing and the shaft extending from one end. The motor features mounting tabs on its body.

SPECIFICATIONS

Attribute	Value
Model Number	D1155
Brand	Fasco
Frame Size	3.3 inches
Motor Type	Shaded Pole, Totally Enclosed
Bearing Type	Sleeve Bearing

Horsepower (HP)	1/100 HP
Speed (RPM)	1085 rpm
Voltage	115V
Frequency	60 Hz
Full Load Amperage	0.5 amps
Shaft Dimensions	1/4" diameter x 1" length
Shaft End Rotation	Counterclockwise
Certifications	UL recognized, CSA certified
OEM Replacement For	Thermador (Tradewinds) 17-09-679, VQT-90, JA2M087R
Manufacturer	Fasco Motors
Approximate Package Dimensions	8.4 x 3.9 x 3.8 inches

SETUP AND INSTALLATION

Follow these general steps for installing the Fasco D1155 motor. Specific installation procedures may vary depending on the appliance it is being installed into. Always refer to the appliance's service manual for detailed instructions.

1. Preparation:

- Ensure the power supply to the appliance is completely disconnected.
- Gather necessary tools (screwdrivers, wrenches, wire strippers, electrical tape/connectors).
- Inspect the new Fasco D1155 motor for any visible damage.

2. Removal of Old Motor:

- Carefully disconnect the wiring from the old motor, noting the connections. Take photos if necessary.
- Remove any mounting hardware securing the old motor.
- Detach any components connected to the motor shaft, such as fan blades or impellers.

3. Installation of New Motor:

- Attach any components (e.g., fan blade) to the shaft of the new Fasco D1155 motor. Ensure they are securely fastened and balanced.
- Mount the new motor into the appliance using the appropriate hardware. Ensure it is firmly secured and aligned.
- Connect the electrical wiring to the new motor. Match the connections precisely as noted during removal. Ensure all connections are secure and insulated.
- Verify the shaft rotation is counterclockwise from the shaft end. If the appliance requires a different rotation, consult the appliance's manual or a qualified technician.

4. Final Checks:

- Double-check all electrical connections and mounting hardware for tightness.
- Ensure no wires are pinched or in contact with moving parts.
- Confirm that the fan blade or impeller rotates freely without obstruction.

5. **Power Restoration:**

- Restore power to the appliance at the circuit breaker.
- Test the appliance to ensure the motor operates correctly and quietly.

OPERATING INSTRUCTIONS

The Fasco D1155 motor is designed for continuous operation within its specified parameters. Once installed, its operation is typically controlled by the appliance it powers (e.g., a fan switch). Ensure the appliance’s controls are functioning correctly.

- **Initial Start-up:** Upon first power-up after installation, listen for any unusual noises or vibrations. If present, immediately disconnect power and re-check installation.
- **Normal Operation:** The motor should run smoothly and quietly. The thermally protected design will automatically shut off the motor if it overheats, preventing damage.
- **Environmental Considerations:** Ensure adequate ventilation for the motor, as it is a totally enclosed design, but proper airflow around the appliance is still beneficial for overall system cooling.

MAINTENANCE

The Fasco D1155 motor with sleeve bearings is generally considered low-maintenance. However, periodic checks can extend its lifespan and ensure optimal performance.

- **Cleaning:** Periodically inspect the motor for dust and debris accumulation. Gently clean the exterior of the motor with a soft brush or compressed air. Ensure power is disconnected before cleaning.
- **Bearing Lubrication:** Motors with sleeve bearings typically have a reservoir for lubricant. While often factory-lubricated for life, if the motor develops squeaking noises, consult a qualified technician for potential lubrication or replacement. Do not over-lubricate.
- **Vibration Check:** Listen for excessive noise or vibration during operation. This could indicate worn bearings, an unbalanced fan blade, or loose mounting.
- **Wiring Inspection:** Annually inspect electrical connections for signs of wear, corrosion, or looseness. Tighten or repair as necessary.

TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions. Always disconnect power before performing any inspection or repair.

Problem	Possible Cause	Solution
Motor does not start	No power, loose wiring, thermal overload tripped, seized bearing.	Check power supply and circuit breaker. Inspect wiring connections. Allow motor to cool if thermally tripped. Check for obstructions or seized shaft; replace motor if bearings are seized.
Motor runs hot	Overload, insufficient ventilation, incorrect voltage, worn bearings.	Ensure motor is not overloaded. Verify proper airflow around the motor. Check supply voltage. Inspect bearings for wear; replace motor if necessary.

Excessive noise or vibration	Loose mounting, unbalanced fan blade, worn bearings, foreign object.	Tighten mounting hardware. Inspect fan blade for damage or imbalance. Check for foreign objects. Replace motor if bearings are worn.
Motor hums but does not turn	Seized shaft/bearings, obstruction, faulty winding.	Disconnect power and check if the shaft can be turned manually. Remove any obstructions. If shaft is seized or winding is faulty, replace the motor.

If troubleshooting steps do not resolve the issue, contact a qualified electrician or appliance repair technician.

WARRANTY AND SUPPORT

For warranty information and technical support regarding your Fasco D1155 motor, please refer to the documentation provided at the time of purchase or contact Fasco customer service directly. Keep your purchase receipt as proof of purchase.

Fasco Contact Information:

- Website: www.regalrexnord.com/brands/fasco (This is the current Fasco brand owner's site)
- Refer to product packaging or Fasco's official website for the most current contact details.

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