

Fasco A066

Fasco A066 Shaded Pole Blower Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Fasco A066 Shaded Pole OEM Replacement Blower. Please read this manual thoroughly before attempting any procedures to ensure proper function and to prevent potential hazards. The Fasco A066 is a specific purpose blower designed as an OEM replacement for Rheem models 70-24157-03 and 117847-00. It features a 1/30 hp single-speed shaded pole motor with sleeve bearing support, operating at 3,000 revolutions per minute (RPM) with a 120V, 60 Hz, 1.27 amp power input. The motor is thermally protected against overheating, and the unit is UL recognized and CSA certified for quality assurance.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock and Injury.

- Always disconnect power to the unit before installation, maintenance, or servicing.
- Installation and servicing should be performed by qualified personnel only.
- Ensure all wiring connections comply with local and national electrical codes.
- Do not operate the blower if it is damaged or if any components are missing.
- Keep hands, hair, and loose clothing away from moving parts.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

3. PRODUCT FEATURES

- OEM replacement blower for Rheem model 70-24157-03 and 117847-00 blowers.
- Sleeve bearing motor shaft support for smooth operation.

- Operates on 120V, 60 Hz, 1.27 amp power input.
- One-speed, 1/30 hp shaded pole motor.
- Rotational speed of 3,000 RPM.
- Thermally protected motor to prevent overheating.
- UL recognized and CSA certified for quality assurance.

4. SETUP AND INSTALLATION

The Fasco A066 blower is designed for direct OEM replacement. Professional installation is recommended due to electrical connections and system integration.

4.1 Pre-Installation Checks

- Verify that the Fasco A066 is the correct replacement part for your specific Rheem model (70-24157-03 or 117847-00).
- Inspect the blower for any shipping damage. Do not install if damaged.
- Ensure the power supply matches the blower's requirements (120V, 60 Hz).

4.2 Installation Steps

1. **Disconnect Power:** Turn off all power to the appliance where the blower will be installed at the main circuit breaker or fuse box. Confirm power is off using a voltage tester.
2. **Access Old Blower:** Carefully remove any panels or covers to access the existing blower unit.
3. **Disconnect Wiring:** Label and disconnect all electrical wires and any hoses (e.g., from a gas pressure switch) connected to the old blower. Note their positions for re-connection.
4. **Remove Old Blower:** Unscrew and remove the mounting hardware securing the old blower. Carefully detach it from the appliance.
5. **Prepare Mounting Surface:** Clean the mounting surface, removing any old gasket material or debris.
6. **Install New Blower:** Position the Fasco A066 blower, ensuring any included gasket is properly seated. Secure it with the appropriate mounting screws.
7. **Connect Wiring:** Reconnect all electrical wires and hoses to the new blower, matching the labels made during removal. Ensure connections are secure and correct.
8. **Verify Installation:** Double-check all connections and mounting. Ensure no wires are pinched or exposed.
9. **Restore Power:** Replace all access panels and covers. Restore power to the appliance.

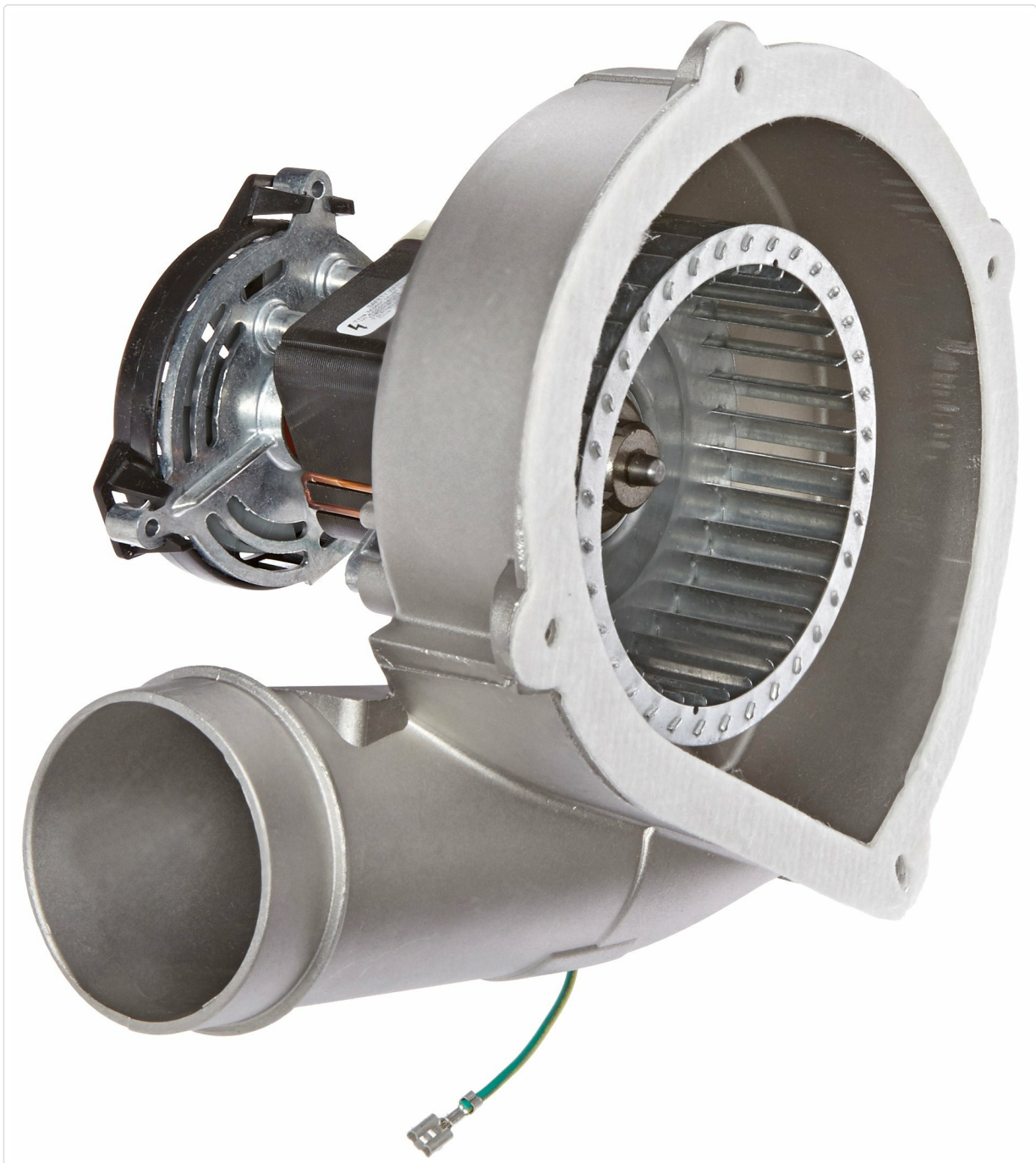


Image showing the Fasco A066 shaded pole blower, highlighting its motor and housing components. This view illustrates the compact design and the output port of the blower.

5. OPERATING INSTRUCTIONS

The Fasco A066 blower operates automatically as part of the appliance it is installed in. Once properly installed and power is restored, the blower will engage and disengage as required by the appliance's control system.

- Ensure the appliance is receiving power and is set to its operational mode.
- Listen for smooth operation. Unusual noises may indicate an issue.
- Do not obstruct the air intake or exhaust ports of the blower.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your Fasco A066 blower.

6.1 General Cleaning

- **Annually:** With power disconnected, inspect the blower for dust, dirt, or debris accumulation on the impeller and housing.
- Gently clean the impeller and interior surfaces using a soft brush or vacuum cleaner. Avoid using harsh chemicals or liquids directly on the motor.

6.2 Inspection

- **Periodically:** Check electrical connections for tightness and signs of corrosion.
- Inspect the blower housing for any cracks or damage.
- Listen for any unusual noises during operation, such as squealing or grinding, which may indicate bearing wear or obstruction.

The sleeve bearings in this motor are typically sealed and do not require lubrication. Do not attempt to oil the motor unless specifically instructed by a qualified technician.

7. TROUBLESHOOTING

Before troubleshooting, always disconnect power to the unit.

Problem	Possible Cause	Solution
Blower does not operate	No power supply Faulty wiring connection Motor failure	Check circuit breaker/fuse. Verify all electrical connections are secure. Consult a qualified technician for motor replacement.
Blower is excessively noisy	Obstruction in blower wheel Worn bearings Loose mounting hardware	Disconnect power and inspect for debris. Remove any obstructions. Motor replacement may be necessary. Consult a technician. Tighten all mounting screws.
Blower operates intermittently	Overheating (thermal protection) Loose electrical connection	Ensure adequate airflow and clear any obstructions. Check for proper voltage. Check and secure all wiring connections.

8. SPECIFICATIONS

Specification	Value
Model Number	A066
Brand	Fasco
OEM Replacement For	Rheem 70-24157-03, 117847-00
Motor Type	Shaded Pole

Specification	Value
Horsepower (HP)	1/30 HP (0.03 HP)
Voltage	120 Volts
Frequency	60 Hz
Amperage	1.27 Amps
Speed	3,000 RPM (Single Speed)
Bearing Type	Sleeve Bearing
Thermal Protection	Yes
Certifications	UL Recognized, CSA Certified
Item Weight	1 Pound
Product Dimensions	1 x 1 x 1 inches (Approximate)

9. WARRANTY AND SUPPORT

Fasco products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your purchase or contact Fasco customer support directly. Keep your proof of purchase for warranty claims.

For technical assistance or replacement parts, please contact your authorized Fasco dealer or visit the official Fasco website.