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Fasco A179

Fasco A179 Specific Purpose Blower Instruction Manual

Model: A179 | Brand: Fasco

1. PRODUCT OVERVIEW

The Fasco A179 is a specific purpose blower designed for various applications, often found in HVAC systems. This model features a 1/60 HP shaded pole motor, operating at 115 Volts with a single speed of 3300 RPM and 0.9 Amps. It has a CW (Clockwise) rotation and utilizes sleeve bearings for operation.

Key features include:

- 1/60 HP Shaded Pole Motor
- 115 Volts, 0.9 Amps
- 3300 RPM, 1 Speed
- CW Rotation
- Sleeve Bearing Design



Image of the Fasco A179 Specific Purpose Blower, showing its compact design and electrical connections.

2. SAFETY INFORMATION

Always disconnect power before installing, servicing, or cleaning the blower. Electrical work should be performed by qualified personnel. Ensure all local and national electrical codes are followed. Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation and maintenance. Do not operate the blower if it is damaged or if any components are missing.

3. SETUP AND INSTALLATION

The Fasco A179 blower is designed for straightforward installation, typically taking around 30 minutes for experienced individuals. It is often supplied with necessary accessories for installation.

Installation Steps:

1. **Power Disconnection:** Ensure the main power supply to the appliance (e.g., furnace) is completely disconnected at the circuit breaker.
2. **Remove Old Blower:** Carefully remove the existing blower unit, noting its orientation and electrical connections.
3. **Prepare Mounting Surface:** Clean the mounting surface thoroughly. If provided, apply the new gasket to the blower's mounting flange.
4. **Apply Sealant:** If included, apply a bead of high-temperature silicone sealant (e.g., RTV red silicone) around the mounting area to ensure an airtight seal to the existing ductwork.
5. **Mount New Blower:** Position the Fasco A179 blower, ensuring proper alignment, and secure it with the appropriate fasteners. An anti-vibration pad may be included and should be placed between the blower and the mounting surface if applicable.

6. **Electrical Connections:** Connect the electrical wiring according to the appliance's wiring diagram. Ensure all connections are secure and insulated.
7. **Curing Time:** Allow sufficient time for the sealant to cure as per the sealant manufacturer's instructions before restoring power.
8. **Restore Power:** Once installation is complete and sealant is cured, restore power and test the blower's operation.

Note: For warranty purposes and safety, professional installation by a certified HVAC technician is highly recommended.

4. OPERATING INSTRUCTIONS

The Fasco A179 blower operates automatically in conjunction with the appliance it is installed in (e.g., a furnace's combustion cycle). Once properly installed and connected, it will activate and deactivate as required by the system's controls.

- Ensure the appliance's power supply is stable and within the specified 115 Volts.
- The blower is designed for continuous operation during its cycle, providing consistent airflow.
- Listen for smooth operation. Any unusual noises may indicate a problem.

5. MAINTENANCE

The Fasco A179 blower with sleeve bearings is generally considered low-maintenance. However, periodic checks can help ensure its longevity and efficient operation.

Recommended Maintenance:

- **Annual Inspection:** Annually, or as part of your appliance's regular service, inspect the blower for any signs of wear, damage, or excessive dust accumulation.
- **Cleanliness:** Keep the blower and its surrounding area free from dust, debris, and obstructions to ensure proper airflow and prevent overheating. Use a soft brush or vacuum cleaner for cleaning.
- **Noise Check:** Periodically listen for any unusual noises such as grinding, squealing, or rattling, which could indicate bearing wear or other issues.
- **Vibration Check:** Ensure the blower is securely mounted and not experiencing excessive vibration, which can lead to premature wear.

Caution: Always disconnect power before performing any maintenance or cleaning.

6. TROUBLESHOOTING

This section provides guidance for common issues you might encounter with your Fasco A179 blower.

Problem	Possible Cause	Solution
Blower does not start	No power supply; faulty wiring; motor failure	Check circuit breaker and power connections. Verify wiring. If power is present and wiring is correct, motor may need replacement.
Blower is noisy (grinding, rattling)	Worn bearings; foreign object in blower wheel; loose mounting	Disconnect power and inspect blower wheel for obstructions. Check mounting bolts for tightness. If noise persists, bearings may be worn, requiring motor replacement.

Problem	Possible Cause	Solution
Blower runs but airflow is weak	Obstructed intake/exhaust; dirty blower wheel	Disconnect power and clear any obstructions from the intake or exhaust. Clean the blower wheel of any accumulated dust or debris.
Blower overheats	Insufficient airflow; motor overload	Ensure proper ventilation and clear any obstructions. Verify the blower is correctly sized for the application. If issues persist, consult a professional.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified technician for further assistance.

7. SPECIFICATIONS

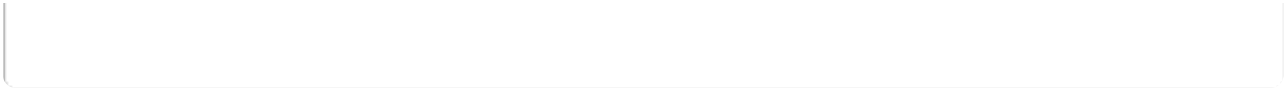
Specification	Value
Brand	Fasco
Model Number	A179
Part Number	A179
Voltage	115 Volts
Amperage	0.9 Amps
Speed	3300 RPM
Horsepower (HP)	1/60 HP
Bearing Type	Sleeve Bearing
Rotation	CW (Clockwise)
Product Dimensions	10.5 x 8 x 7 inches
Item Weight	0.48 ounces (shipping weight may vary)
UPC	663001031840

8. WARRANTY AND SUPPORT

Fasco products typically come with a manufacturer's warranty. The duration and terms of the warranty may vary. It is important to retain your proof of purchase.

Important Warranty Note: Some manufacturers may void the product warranty if the installation is not performed by a certified professional. Always refer to the specific warranty documentation provided with your product for full details and requirements.

For technical support, warranty claims, or further assistance, please contact Fasco customer service or visit their official website. Have your model number (A179) and purchase information ready when contacting support.



This manual is for informational purposes only. Fasco reserves the right to make changes to products without notice.