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> Fasco A130 Draft Inducer Blower User Manual

Fasco A130

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Model: A130 | Brand: Fasco

INTRODUCTION

This manual provides essential information for the safe and effective use, installation, maintenance, and troubleshooting of the Fasco A130 Draft Inducer Blower. The Fasco A130 is designed to facilitate the exhaust of combustion gases from heating appliances, ensuring proper ventilation and efficient operation of your furnace or boiler system.

Please read this manual thoroughly before attempting any installation, operation, or maintenance procedures. Retain this manual for future reference.

SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always disconnect power to the appliance before installing, servicing, or performing maintenance on the draft inducer.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, during installation and maintenance.
- Ensure all electrical connections are made in accordance with local and national electrical codes.
- Do not operate the draft inducer if it is damaged or malfunctioning.
- Keep hands, hair, and loose clothing away from moving parts.
- This product is intended for specific HVAC applications. Do not use for purposes other than its intended design.

PRODUCT DESCRIPTION AND COMPONENTS

The Fasco A130 Draft Inducer Blower is a critical component in many heating systems, responsible for drawing combustion byproducts out of the furnace and venting them safely. It consists of a motor and a blower housing (volute) designed for efficient air movement.



Figure 1: Fasco A130 Draft Inducer Blower. This image displays the complete blower unit, featuring the black volute housing, the attached electric motor, and the integrated capacitor. The air inlet and outlet ports are clearly visible.

Key components include:

- **Motor:** The electrical component that drives the blower wheel.
- **Blower Housing (Volute):** The casing that directs the airflow.
- **Impeller/Blower Wheel:** Located inside the housing, it rotates to create airflow.
- **Capacitor:** An electrical component assisting the motor's start and continuous operation.

- **Inlet/Outlet Ports:** Connections for the exhaust venting system.

SPECIFICATIONS

Attribute	Value
Model Number	A130
Brand	Fasco
Voltage	115 Volts
Amperage	0.7 Amps
Speed	3450 RPM (1 Speed)
Bearing Type	Sleeve Bearing
Capacitor	4MFD 370VAC (Included)
Motor Type	PSC Capacitor Start Motor
Motor Diameter	3.3 inches
Rotation	CW (Clockwise) as viewing shaft end
Product Dimensions	10 x 10 x 10 inches
Item Weight	6.69 pounds
UPC	815585025962

INSTALLATION AND SETUP

Installation of the Fasco A130 Draft Inducer Blower typically involves replacing an existing unit. Due to the electrical and combustion aspects, it is highly recommended that installation be performed by a qualified HVAC technician.

General Installation Steps (for qualified personnel):

1. **Power Disconnection:** Turn off all electrical power to the furnace or heating appliance at the main circuit breaker or fuse box. Verify power is off using a voltage meter.
2. **Access:** Locate and access the existing draft inducer blower on the furnace.
3. **Disconnection:** Disconnect all electrical wiring from the old blower. Carefully note or photograph the wiring configuration for correct re-connection.
4. **Removal:** Unbolt or unmount the old blower from the furnace housing and disconnect any attached exhaust piping.
5. **Mounting New Unit:** Mount the Fasco A130 in the same position as the old unit, ensuring a secure fit. Use appropriate gaskets if required to prevent leaks.
6. **Electrical Connection:** Reconnect the electrical wiring to the new Fasco A130, matching the original configuration. Ensure all connections are tight and secure.
7. **Ductwork Connection:** Reconnect the exhaust piping to the inlet and outlet ports of the new blower. Ensure connections are sealed and free of leaks.
8. **Testing:** Restore power to the furnace. Initiate a call for heat and observe the draft inducer's operation. Check for proper rotation, unusual noises, and effective exhaust.

Refer to your furnace's specific service manual for detailed instructions on replacing the draft inducer for your particular model.

OPERATION

The Fasco A130 Draft Inducer Blower operates automatically as part of your furnace's combustion cycle. When the thermostat calls for heat, the furnace control board initiates the draft inducer. The blower creates a negative pressure (draft) within the combustion chamber, pulling fresh air in for combustion and expelling exhaust gases safely through the venting system.

Normal operation involves the blower starting before the main burner ignites and continuing to run until the post-purge cycle is complete, ensuring all combustion byproducts are cleared.

A properly functioning draft inducer will produce a consistent hum or whirring sound. Any unusual noises, such as grinding, squealing, or excessive vibration, may indicate a problem and should be investigated by a qualified technician.

MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your Fasco A130 Draft Inducer Blower. Always disconnect power before performing any maintenance.

- **Annual Inspection:** Have a qualified HVAC technician inspect the draft inducer annually as part of your furnace's routine maintenance.
- **Check for Obstructions:** Periodically check the inlet and outlet ports for any debris, lint, or foreign objects that could impede airflow. Clear any obstructions carefully.
- **Listen for Unusual Noises:** Pay attention to any changes in the operating sound of the blower. Early detection of unusual noises can prevent major failures.
- **Inspect Wiring:** Visually inspect electrical wiring for signs of wear, fraying, or loose connections.
- **Clean Exterior:** Keep the exterior of the blower clean and free of dust and dirt.

Do not attempt to lubricate sealed bearings or disassemble the motor, as this can damage the unit and void any potential warranty.

TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For complex problems or if you are unsure, contact a qualified HVAC technician.

Problem	Possible Cause	Solution
Blower does not start	No power to furnace; Faulty wiring; Motor failure; Control board issue	Check circuit breaker/fuse; Verify wiring connections; Consult technician for motor/control board diagnosis.
Blower makes loud noise (grinding, squealing)	Worn bearings; Impeller obstruction; Loose mounting	Disconnect power and check for obstructions; Ensure mounting is secure; If noise persists, motor replacement may be necessary by a technician.
Blower runs continuously	Stuck relay on control board; Faulty pressure switch	Contact a qualified HVAC technician for diagnosis and repair of control board or pressure switch.
Blower starts then stops quickly	Blocked vent; Faulty pressure switch; Motor overheating	Check vent for obstructions; Consult technician for pressure switch or motor issues.

Always prioritize safety. If you are not comfortable performing a diagnostic step, contact a professional.

OFFICIAL PRODUCT VIDEOS

No official product videos from the seller were provided in the available data for the Fasco A130 Draft Inducer Blower.

WARRANTY AND SUPPORT

Specific warranty terms and direct support contact information for the Fasco A130 Draft Inducer Blower are not available in this manual. For warranty details, technical support, or to locate authorized service centers, please refer to the official Fasco website or contact your product supplier.

It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

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