

Fasco K113

Fasco K113 C-Frame Vent Fan Motor Instruction Manual

Model: K113 | Brand: Fasco

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Fasco K113 C-Frame Vent Fan Motor. The Fasco K113 is a shaded pole C-frame motor designed for fan and blower applications, featuring a 1/100 horsepower rating, 3000 RPM speed, and operating at 115 volts. It is equipped with sleeve bearings and has a default counter-clockwise shaft end rotation.

2. SAFETY INSTRUCTIONS

WARNING: Electrical shock hazard. Always disconnect power before installing, servicing, or cleaning this motor. Failure to do so can result in serious injury or death.

- Ensure all electrical connections comply with local codes and ordinances.
- Installation should be performed by a qualified electrician or service technician.
- Do not operate the motor if it is damaged or has exposed wiring.
- Keep hands and foreign objects away from moving parts during operation.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.

3. PRODUCT SPECIFICATIONS

Brand	Fasco
Model Number	K113 (Part Number: K113)
Model Name	K113 23044018
Type	C-Frame, Shaded Pole
Horsepower (HP)	1/100 hp
Speed	3000 RPM (1 speed)
Voltage	115 Volts

Amperage	0.90 Amps
Rotation	CCW (Counter-Clockwise) Shaft End
Bearings	Sleeve/Sleeve
Material	Copper
Item Weight	5.5 Pounds
UPC	663001428787

4. INSTALLATION AND SETUP

Before beginning installation, ensure the power supply to the appliance where the motor will be installed is completely disconnected. Refer to the appliance's specific service manual for detailed disassembly and reassembly instructions.

- 1. Preparation:** Carefully remove the old motor from its mounting. Note the orientation and wiring connections.
- 2. Motor Orientation:** The Fasco K113 motor is designed for specific applications. Ensure the shaft and mounting points align with the existing setup.
- 3. Rotation Direction:** The motor's default rotation is Counter-Clockwise (CCW) when viewed from the shaft end. If Clockwise (CW) rotation is required, this motor can be mechanically reversed. To do so, remove the four screws securing the motor, carefully separate the bearing assembly, and reverse the stator (the part that spins) before reassembling. This process typically takes about 5 minutes.
- 4. Mounting:** Secure the new Fasco K113 motor using the appropriate mounting hardware. Ensure it is firmly seated to prevent vibration during operation.
- 5. Wiring:** Connect the motor's electrical leads to the appliance's power supply. Double-check all connections for security and proper insulation.
- 6. Testing:** Once installed, restore power and test the motor's operation. Observe for unusual noises or vibrations.



Figure 1: Fasco K113 C-Frame Vent Fan Motor. This image displays the motor unit, including its C-frame housing, shaft, and attached power cord with a two-prong plug. The motor is designed for integration into ventilation systems.

5. OPERATION

The Fasco K113 motor is designed for continuous operation within its specified voltage and temperature ranges. Once properly installed and connected to a power source, the motor will activate when power is supplied to the appliance it is integrated into. Ensure adequate airflow around the motor to prevent overheating.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your motor.

- **Cleaning:** Periodically inspect the motor for dust and debris accumulation. Disconnect power and use a soft brush or compressed air to clean the motor's exterior and ventilation openings.
- **Inspection:** Check for any signs of wear, loose connections, or damage to the wiring. Ensure mounting bolts remain tight.
- **Lubrication:** This motor uses sleeve bearings. While typically self-lubricating for their lifespan, consult the appliance's manual for any specific lubrication requirements for the overall system. Do not over-lubricate.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor does not start	No power, faulty wiring, seized bearings, internal motor failure.	Check power supply and connections. Inspect wiring for damage. If bearings are seized or motor fails internally, replacement may be necessary.
Excessive noise or vibration	Loose mounting, bent shaft, worn bearings, fan blade imbalance.	Ensure motor is securely mounted. Inspect shaft for bends (if bent, replace motor). Check fan blade for balance and damage. Worn bearings may require motor replacement.
Motor overheats	Insufficient ventilation, excessive load, prolonged operation, internal fault.	Ensure clear airflow around the motor. Verify the motor is not overloaded. If overheating persists, disconnect power and consult a professional.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified technician or contact Fasco customer support.

8. WARRANTY AND SUPPORT

According to product information, this Fasco K113 motor is sold without an explicit warranty. Please refer to your point of purchase for their return or exchange policies.

For technical assistance or further inquiries, please contact Fasco customer support or visit their official website. Always provide your motor's model number (K113) and any relevant purchase details when seeking support.

ASK A QUESTION ABOUT THIS MANUAL

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Question

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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