

Fasco D132

Fasco D132 General Purpose Motor User Manual

Model: D132

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fasco D132 General Purpose Motor. Please read these instructions thoroughly before installation or use to ensure proper function and to prevent damage or injury.

The Fasco D132 is a 3.3-inch shaded pole motor designed for general purpose applications. Key features include:

- **Horsepower:** 1/20 HP
- **Voltage:** 115 Volts
- **Speed:** 1500 RPM
- **Shaft Size:** 5/16-Inch x 2-1/4-Inch
- **Enclosure Type:** OAO (Open Air Over)
- **Rotation:** CWSE (Clockwise Shaft End)
- **Bearing Type:** Sleeve Bearing

2. SAFETY INFORMATION

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

- Ensure all electrical connections comply with local and national electrical codes.
- Only qualified personnel should perform electrical wiring and installation.
- Do not operate the motor in wet or damp conditions unless specifically rated for such environments.
- Keep hands, clothing, and tools clear of moving parts during operation.
- Ensure proper grounding of the motor.
- Do not exceed the specified voltage or current ratings.

3. INSTALLATION INSTRUCTIONS

Proper installation is crucial for the motor's performance and longevity. Follow these general guidelines:

1. **Unpacking:** Carefully remove the motor from its packaging. Inspect for any shipping damage.
2. **Mounting:** Securely mount the motor using appropriate hardware. Ensure the mounting surface is stable and can support the motor's weight and operational forces. The OAO (Open Air Over) enclosure requires sufficient airflow for cooling.
3. **Shaft Connection:** Connect the driven component (e.g., fan blade) to the 5/16-inch x 2-1/4-inch shaft. Ensure the connection is tight and balanced to prevent vibration.
4. **Electrical Wiring:**
 - Verify the power supply matches the motor's voltage (115 Volts).
 - Connect the motor to a grounded electrical circuit.
 - Follow the wiring diagram provided with your specific application or equipment.
 - Ensure all connections are secure and insulated.
5. **Rotation Check:** The motor is designed for CWSE (Clockwise Shaft End) rotation. Verify this matches your application's requirements before final installation.



Figure 1: Fasco D132 General Purpose Motor. This image shows the motor's compact design and shaft for connection to various applications.

4. OPERATING INSTRUCTIONS

Once properly installed, operating the Fasco D132 motor is straightforward:

1. **Initial Check:** Before applying power, ensure all connections are secure and there are no obstructions around the motor or its shaft.
2. **Power On:** Apply 115 Volts AC power to the motor. The motor should start and reach its operating speed of 1500 RPM.
3. **Monitoring:** During initial operation, observe the motor for unusual noises, excessive vibration, or overheating. If any issues are detected, immediately disconnect power and refer to the Troubleshooting section.
4. **Continuous Operation:** The motor is designed for continuous duty within its specified ratings. Ensure the operating environment allows for adequate cooling, especially for OAO (Open Air Over) enclosures.
5. **Power Off:** Disconnect power to stop the motor.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your Fasco D132 motor.

- **Cleaning:** Periodically clean the exterior of the motor to prevent dust and debris buildup, which can impede cooling. Ensure power is disconnected before cleaning.
- **Lubrication:** This motor features sleeve bearings. Some models may include oiling ports for lubrication. If present, apply a few drops of appropriate motor oil (e.g., SAE 20 or 30 non-detergent oil) to the oiling ports annually or as needed. Refer to any specific lubrication instructions on the motor label.
- **Inspection:** Regularly inspect wiring for signs of wear or damage. Check mounting bolts for tightness.
- **Vibration Check:** Excessive vibration can indicate an imbalance or bearing wear. Address any significant vibration promptly.

6. TROUBLESHOOTING

Before attempting any repairs, always disconnect power to the motor. Consult a qualified technician for complex issues.

Problem	Possible Cause	Solution
Motor does not start	No power supply, incorrect wiring, seized bearing, internal fault.	Check power source and circuit breaker. Verify wiring connections. Check if shaft rotates freely. If not, bearing may be seized. Consult technician for internal faults.
Motor runs hot	Overload, insufficient ventilation, high ambient temperature, bearing issues.	Reduce load on motor. Ensure adequate airflow around the motor. Check ambient temperature. Lubricate bearings if applicable, or replace if worn.
Excessive noise or vibration	Loose mounting, unbalanced load, worn bearings.	Tighten mounting bolts. Balance the driven component. Inspect and lubricate/replace bearings.
Motor hums but does not start	Starting winding issue, seized bearing, low voltage.	Check power supply voltage. Check if shaft rotates freely. Consult a qualified technician.

7. SPECIFICATIONS

The following are the technical specifications for the Fasco D132 General Purpose Motor:

Feature	Specification
Brand	Fasco
Model	D132
Horsepower	1/20 HP (0.05 Horsepower)
Voltage	115 Volts
Speed	1500 RPM
Amperage	1.8 Amps
Shaft Size	5/16-Inch x 2-1/4-Inch
Enclosure Type	OA0 (Open Air Over)
Rotation	CWSE (Clockwise Shaft End)
Bearing Type	Sleeve Bearing
Material Type	Copper
Item Weight	1 Pounds

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Fasco D132 motor, please contact Fasco customer service directly or refer to the documentation provided with your purchase. Keep your purchase receipt as proof of purchase.

Manufacturer: Fasco

Model: D132

UPC: 696727156269

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

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

Submit question