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› Fasco d126 Motor Instruction Manual: 1.4 HP, 115V, 1500 RPM

Fasco d126

Fasco d126 Motor Instruction Manual

1.4 HP, 115V, 1500 RPM Electric Motor

1. IMPORTANT SAFETY INFORMATION

Read all instructions carefully before installing, operating, or performing maintenance on this motor. Failure to follow these instructions may result in electric shock, fire, serious injury, or death. Keep this manual for future reference.

- **Electrical Hazard:** Ensure power is disconnected before any installation or maintenance. Only qualified personnel should perform electrical wiring.
- **Moving Parts:** Keep hands, hair, and clothing clear of moving parts during operation.
- **Overheating:** Do not block ventilation openings. Ensure proper airflow to prevent overheating.
- **Proper Application:** Use this motor only for its intended purpose and within its specified ratings.
- **Grounding:** Ensure the motor is properly grounded according to local electrical codes.

2. PRODUCT OVERVIEW

The Fasco d126 is a 1.4 horsepower electric motor designed for various applications requiring reliable rotational power. It operates on 115 volts and delivers a consistent speed of 1500 revolutions per minute (RPM). This motor is constructed with copper windings for durability and efficient performance.



Figure 1: Fasco d126 1.4 HP Electric Motor. This image displays the general appearance of the Fasco d126 motor, highlighting its compact design and typical mounting features.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of the Fasco d126 motor. If you are not experienced with electrical installations, consult a qualified electrician.

3.1 Pre-Installation Checklist

- Verify that the motor's voltage (115V) matches the power supply.
- Ensure the mounting surface is stable and capable of supporting the motor's weight (approximately 8 pounds) and operational forces.
- Confirm that the motor is suitable for the intended application, such as replacing a Fasco 50755-D500 model.
- Gather necessary tools: wrenches, screwdrivers, wire strippers, multimeter.

3.2 Mounting the Motor

1. Position the motor on the mounting surface, aligning mounting holes if applicable.
2. Secure the motor using appropriate bolts, washers, and nuts. Ensure all fasteners are tightened to prevent vibration and movement during operation.
3. Verify that the motor shaft is properly aligned with the driven component (e.g., fan blade, pump impeller) to prevent premature wear.

3.3 Electrical Connection

1. **DISCONNECT POWER** at the circuit breaker or fuse box before making any electrical connections.
2. Connect the motor's power leads to the 115V AC supply according to the wiring diagram provided with your specific application or equipment.
3. Connect the motor's ground wire to a reliable earth ground.
4. Ensure all connections are secure and insulated to prevent short circuits.
5. Double-check all wiring against local electrical codes and manufacturer specifications.

4. OPERATING INSTRUCTIONS

Once the motor is properly installed and wired, it is ready for operation.

1. **Initial Start-up:** Restore power to the circuit. Observe the motor for any unusual noises, vibrations, or smells during the first few minutes of operation.
2. **Normal Operation:** The motor should run smoothly at its rated speed of 1500 RPM. Ensure that the driven load is operating as expected.
3. **Monitoring:** Periodically check the motor's temperature. While some warmth is normal, excessive heat indicates a potential issue (e.g., overload, insufficient ventilation).
4. **Shut Down:** To stop the motor, disconnect power to the circuit.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your Fasco d126 motor. Always disconnect power before performing any maintenance.

- **Cleaning:** Keep the motor's exterior clean and free of dust, dirt, and debris. Ensure ventilation openings are clear to allow for proper cooling. Use a soft brush or compressed air.
- **Inspection:** Periodically inspect the motor for signs of wear, damage, or loose connections. Check for unusual noises or vibrations during operation.
- **Lubrication:** This motor may feature sealed bearings that do not require lubrication. Refer to the specific motor label or manufacturer's guidelines for lubrication requirements. Do not over-lubricate if lubrication is required.
- **Wiring:** Check electrical connections for tightness and signs of corrosion.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Fasco d126 motor. Always disconnect power before attempting any troubleshooting or repairs.

Problem	Possible Cause	Solution
Motor does not start	No power supply Incorrect wiring Thermal overload tripped Seized bearings	Check power source and circuit breaker Verify wiring connections Allow motor to cool and reset overload Inspect and replace bearings if necessary

Problem	Possible Cause	Solution
Motor runs hot	Overload Insufficient ventilation Low voltage Worn bearings	Reduce load Clear obstructions from vents, ensure proper airflow Verify supply voltage Inspect and replace bearings
Excessive noise or vibration	Loose mounting Misalignment Worn bearings Damaged fan/impeller	Tighten mounting bolts Realign motor shaft with driven component Inspect and replace bearings Inspect and replace damaged parts

If troubleshooting steps do not resolve the issue, contact Fasco customer support or a qualified service technician.

7. SPECIFICATIONS

Feature	Detail
Brand	Fasco
Model	d126
Horsepower	1.4 HP
Voltage	115 Volts
Speed	1500 RPM
Material	Copper
Item Weight	8 Pounds
UPC	663001024132
ASIN	B000CBG736

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Fasco d126 motor, please refer to the documentation provided at the time of purchase or contact Fasco directly. Warranty terms typically cover manufacturing defects for a specified period.

For technical support, parts, or service inquiries, please contact Fasco customer service through their official website or the contact information provided with your product. When contacting support, please have your motor's model number (d126) and any relevant purchase details available.