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› Fasco D208 General Purpose Motor Instruction Manual

Fasco D208

Fasco D208 General Purpose Motor Instruction Manual

Model: D208 | Brand: Fasco

1. INTRODUCTION AND OVERVIEW

The Fasco D208 is a 3.3-inch general purpose shaded pole motor designed for various applications requiring 1/30 HP at 3000 RPM. It operates on 115 Volts and features an Open Air Over (OAO) enclosure with Clockwise Shaft End (CWSE) rotation and sleeve bearings. This manual provides essential information for the safe and effective installation, operation, and maintenance of your Fasco D208 motor.

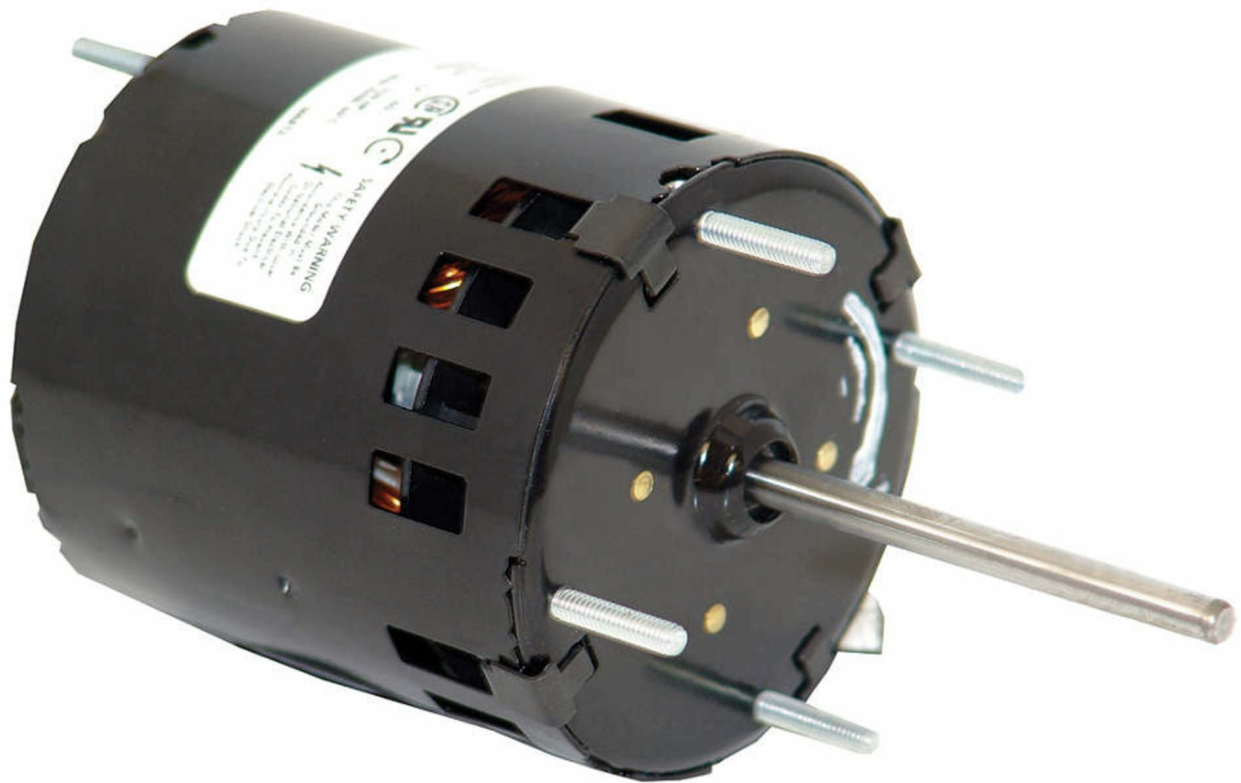


Image of the Fasco D208 general purpose motor, showing its compact design and shaft.

2. SAFETY INFORMATION

Read and understand all safety instructions before installing, operating, or maintaining this motor. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- **Disconnect Power:** Always disconnect power at the source before performing any installation, wiring, or maintenance on the motor.
- **Qualified Personnel:** Installation and wiring should only be performed by qualified and licensed electricians in accordance with all local and national electrical codes.
- **Grounding:** Ensure the motor is properly grounded to prevent electrical shock.
- **Ventilation:** Provide adequate ventilation around the motor to prevent overheating. Do not block air inlets or outlets.
- **Moving Parts:** Keep hands, clothing, and tools clear of moving parts during operation.
- **Environmental Conditions:** Do not operate the motor in explosive atmospheres or where flammable vapors or dust are present.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking. If any items are missing or damaged, contact your supplier immediately.

- Fasco D208 General Purpose Motor
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

Proper installation is crucial for the motor's performance and longevity.

4.1 Mounting

- Select a stable, level, and secure mounting surface capable of supporting the motor's weight and operational forces.
- Ensure the mounting position allows for adequate airflow around the motor for cooling.
- Secure the motor firmly using appropriate fasteners to prevent vibration and movement during operation.

4.2 Electrical Connection

- Ensure the power supply is disconnected before making any electrical connections.
- Connect the motor to a 115 Volt AC, 60 Hz power supply.
- Follow the wiring diagram provided on the motor's nameplate or in the application-specific equipment manual.
- Ensure all connections are tight and insulated to prevent short circuits.
- Verify proper grounding according to local electrical codes.

4.3 Shaft Connection

- Connect the driven component (e.g., fan blade, pump impeller) to the motor shaft (1/4-inch diameter, 3-inches long).
- Ensure the connection is secure and properly aligned to prevent excessive vibration or stress on the motor bearings.
- Confirm that the driven component rotates freely without obstruction.

5. OPERATING INSTRUCTIONS

The Fasco D208 motor is designed for straightforward operation.

- **Pre-Operation Check:** Before applying power, visually inspect the motor and its connections to ensure everything is secure and free from obstructions.
- **Power On:** Apply power to the motor. The motor should start and reach its operating speed of 3000 RPM smoothly.
- **Monitoring:** During initial operation, observe the motor for any unusual noises, vibrations, or excessive heat.
- **Power Off:** Disconnect power to stop the motor.

This motor is designed for continuous duty within its specified ratings. Ensure proper ventilation is maintained during all operating periods.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your Fasco D208 motor.

6.1 Cleaning

- Periodically inspect the motor for accumulation of dust, dirt, or debris, especially around the ventilation openings.
- Disconnect power before cleaning.
- Use a soft, dry cloth or a vacuum cleaner with a brush attachment to remove dust from the motor's exterior. Do not use water or solvents.

6.2 Lubrication

The Fasco D208 motor features sleeve bearings that are typically permanently lubricated and sealed. Under normal operating conditions, additional lubrication is generally not required. Refer to the specific equipment manual in which the motor is installed for any additional lubrication recommendations.

6.3 Inspection

- Regularly check all mounting bolts and electrical connections for tightness.
- Inspect the motor for any signs of physical damage, corrosion, or wear.
- Listen for unusual noises during operation, which could indicate bearing wear or other issues.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Fasco D208 motor.

Problem	Possible Cause	Solution
Motor does not start	No power supply Incorrect wiring Motor overload	Check power source and circuit breaker Verify wiring connections against diagram Remove obstruction or reduce load
Motor overheats	Insufficient ventilation Motor overload High ambient temperature	Ensure clear airflow around motor Reduce load on motor Operate within specified temperature limits
Excessive noise or vibration	Improper mounting Worn bearings Unbalanced driven component	Check mounting bolts for tightness Contact Fasco support for service Inspect and balance the driven component

If the problem persists after attempting these solutions, contact Fasco customer support or a qualified service technician.

8. SPECIFICATIONS

Detailed technical specifications for the Fasco D208 General Purpose Motor.

Specification	Value
Brand	Fasco

Specification	Value
Model Number	D208
Horsepower (HP)	1/30 HP
Voltage	115 Volts
Speed	3000 RPM
Amperage	1.1 Amps
Enclosure Type	OAO (Open Air Over)
Rotation	CWSE (Clockwise Shaft End)
Bearing Type	Sleeve Bearing
Shaft Dimensions	1/4-Inch x 3-Inch
Material	Copper
Item Weight	2.9 Pounds
Package Dimensions	8.3 x 3.9 x 3.8 inches
UPC	696746962148

9. WARRANTY AND SUPPORT

Fasco products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty statement included with your purchase documentation or visit the official Fasco website.

For technical assistance, troubleshooting beyond the scope of this manual, or to inquire about replacement parts, please contact Fasco customer support. When contacting support, please have your motor's model number (D208) and any relevant purchase information available.

Fasco Customer Support: Refer to your product packaging or the official Fasco website for current contact information.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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