

## Fasco D832

# Fasco D832 PSC Motor Instruction Manual

Model: D832

## 1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Fasco D832 Permanent Split Capacitor (PSC) Motor. The Fasco D832 is a 5.6-inch diameter motor designed for various applications requiring 1/8 horsepower, operating at 208-230 Volts and 825 RPM. It features a sleeve bearing design and a reverse rotation.

Please read this manual thoroughly before attempting to install or operate the motor. Retain this manual for future reference.

## 2. SAFETY INFORMATION

**WARNING: Electrical shock hazard. Disconnect power before servicing.**

- Installation and servicing must be performed by qualified personnel only.
- Ensure all wiring complies with local and national electrical codes.
- Always disconnect power at the source before performing any installation, maintenance, or troubleshooting.
- Proper grounding of the motor is essential to prevent electrical shock.
- Keep hands, tools, and clothing clear of moving parts during operation.
- The motor may become hot during operation. Allow it to cool before handling.
- Do not operate the motor in environments with explosive gases or vapors.

## 3. SETUP AND INSTALLATION

Careful installation is crucial for the longevity and proper function of the Fasco D832 motor.

### 3.1 Unpacking and Inspection

Upon receiving the motor, inspect it for any signs of shipping damage. Report any damage to the carrier immediately. Verify that all components are present and match the product specifications.

### 3.2 Mounting

The Fasco D832 motor is designed for mounting using four bolts that pass through the motor housing. Ensure the mounting surface is stable, level, and capable of supporting the motor's weight (approximately 10.25 pounds). The motor features a 1/2-inch diameter shaft with a length of 4-3/4 inches. Ensure proper alignment with the driven component to prevent premature wear on bearings and shafts.

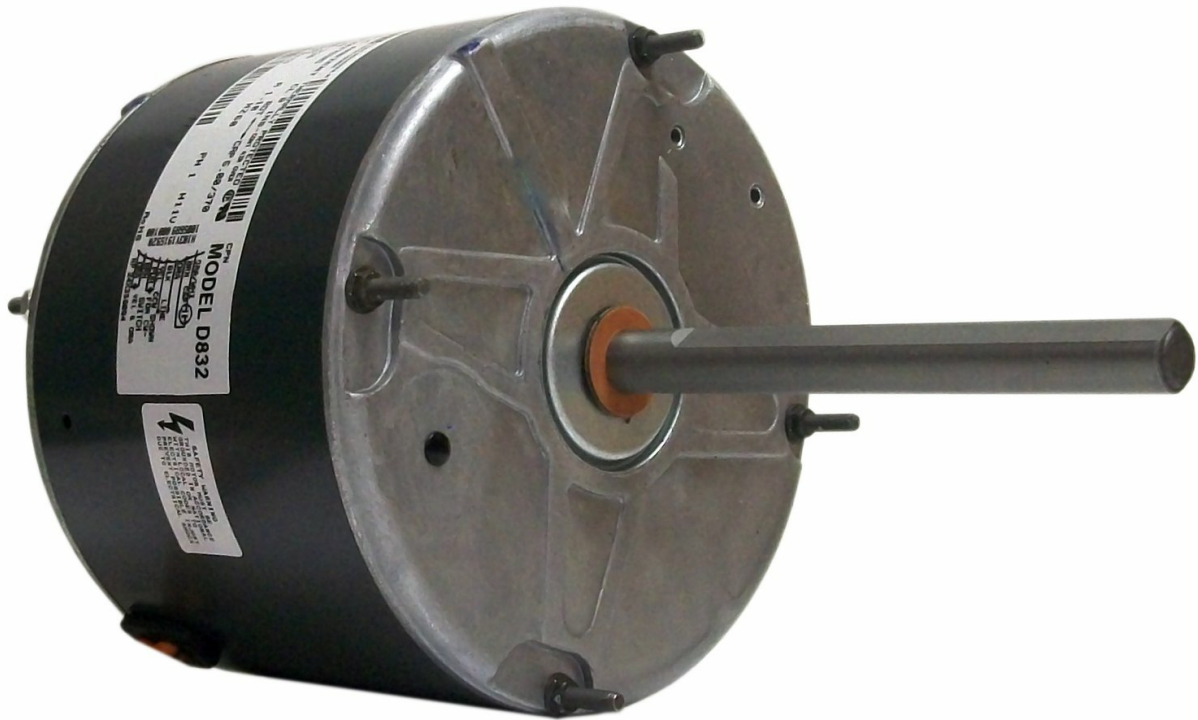


Image showing the Fasco D832 PSC Motor, highlighting its compact design and electrical connections.

### 3.3 Electrical Connection

The Fasco D832 motor operates on 208-230 Volts AC. Refer to the wiring diagram provided with the motor or on the motor's nameplate for correct electrical connections. Ensure the power supply matches the motor's voltage requirements. Connect the motor to a dedicated circuit with appropriate overcurrent protection. The motor draws approximately 1.1 Amps.

- **Voltage:** 208-230V AC
- **Amperage:** 1.1A
- **Rotation:** Reverse (REV)
- **Grounding:** Connect the motor to an earth ground according to local electrical codes.

## 4. OPERATING INSTRUCTIONS

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Once properly installed and wired, the Fasco D832 motor is ready for operation.

- Ensure all safety precautions are observed before starting the motor.
- Apply power to the motor circuit. The motor should start smoothly and reach its rated speed of 825 RPM.
- Monitor the motor during its initial operation for any unusual noises, vibrations, or excessive heat.
- The motor is designed for continuous duty within its specified ratings.

## 5. MAINTENANCE

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Regular maintenance helps ensure the long life and reliable performance of your Fasco D832 motor.

### 5.1 Lubrication

The D832 motor utilizes sleeve bearings. These bearings typically require periodic lubrication. Consult the motor's nameplate or manufacturer's guidelines for specific lubrication intervals and recommended lubricant types. Over-lubrication can be as detrimental as under-lubrication.

### 5.2 Cleaning

Keep the motor's exterior clean and free from dust, dirt, and debris. Accumulation of foreign material can impede cooling and lead to overheating. Use a soft brush or compressed air to clean the motor's vents and housing. Do not use water or solvents that could damage electrical components.

### 5.3 Inspection

Periodically inspect the motor for:

- Loose mounting bolts or connections.
- Signs of wear on the shaft or driven components.
- Damaged wiring or insulation.
- Unusual vibrations or noises during operation.

## 6. TROUBLESHOOTING

This section provides guidance for common issues you might encounter with the Fasco D832 motor.

| Problem                      | Possible Cause                                                            | Solution                                                                                                                                                      |
|------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Motor does not start         | No power supply<br>Incorrect wiring<br>Overload<br>Seized bearings        | Check power source and circuit breaker<br>Verify wiring against diagram<br>Reduce load or check for obstructions<br>Inspect and replace bearings if necessary |
| Motor overheats              | Excessive load<br>Poor ventilation<br>Low voltage<br>Improper lubrication | Reduce load<br>Clear obstructions from motor vents<br>Verify supply voltage<br>Check lubrication levels and type                                              |
| Excessive noise or vibration | Loose mounting<br>Unbalanced load<br>Worn bearings<br>Misalignment        | Tighten mounting bolts<br>Balance the driven component<br>Inspect and replace bearings<br>Check and correct shaft alignment                                   |

If troubleshooting steps do not resolve the issue, contact a qualified service technician or the manufacturer for assistance.

## 7. SPECIFICATIONS

| Specification | Value |
|---------------|-------|
| Brand         | Fasco |

| Specification      | Value                 |
|--------------------|-----------------------|
| Model Number       | D832                  |
| Horsepower (HP)    | 1/8 HP (0.13 HP)      |
| Voltage            | 208-230 Volts         |
| RPM (Speed)        | 825 RPM               |
| Amperage           | 1.1 Amps              |
| Diameter           | 5.6-Inch              |
| Shaft Dimension    | 1/2-Inch x 4-3/4-Inch |
| Rotation           | Reverse (REV)         |
| Bearing Type       | Sleeve Bearing        |
| Material           | Copper                |
| Item Weight        | 10.25 Pounds          |
| Product Dimensions | 14 x 6 x 7 inches     |
| UPC                | 782247396916          |

## 8. WARRANTY AND SUPPORT

The Fasco D832 motor is sold without an explicit warranty from the manufacturer. Please refer to your point of purchase for any applicable return or exchange policies.

For technical support or further inquiries regarding the Fasco D832 motor, please contact Fasco customer service or visit their official website. Ensure you have your motor's model number (D832) and any relevant purchase information available when seeking support.

### 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**