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› Fasco UB574 Motor Instruction Manual - 35 Watt, 1500 RPM, 115V Unit Bearing Refrigeration Motor

Fasco UB574

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35 Watt, 1500 RPM, 115V Unit Bearing Refrigeration Motor

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fasco UB574 Unit Bearing Refrigeration Motor. Please read these instructions thoroughly before attempting to install or operate the motor. Retain this manual for future reference.

SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power before servicing.

- Always ensure the power supply is disconnected before performing any installation, maintenance, or troubleshooting procedures.
- Installation and wiring must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the motor if it is damaged or if any wires are frayed or exposed.
- Ensure proper grounding to prevent electrical hazards.
- Keep hands, tools, and clothing clear of moving parts during operation.
- This motor is designed for specific applications. Do not use it for purposes other than its intended use.

SETUP AND INSTALLATION

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

1. **Unpacking:** Carefully remove the motor from its packaging. Inspect for any visible damage that may have occurred during shipping.
2. **Mounting:** Securely mount the motor using appropriate fasteners through the designated mounting holes. Ensure the motor is stable and vibration-free. Refer to the image below for typical mounting points.



Figure 1: Fasco UB574 Motor showing its compact design, power cord, and integrated mounting brackets. The threaded shaft is visible at the top.

3. Electrical Connection:

- Verify that the power supply matches the motor's voltage requirements (115 Volts).
- Connect the motor's wiring to the power supply according to local electrical codes and the wiring diagram provided with your specific unit (if applicable). Ensure all connections are secure and insulated.
- Confirm proper grounding.

4. **Shaft Connection:** Connect the fan blade or other driven component to the motor shaft. Ensure it is properly aligned and secured to prevent imbalance and excessive vibration. The motor operates at 1500 RPM with a Clockwise Lead End (CWLE) rotation.

5. **Clearance:** Ensure adequate clearance around the motor for proper airflow and cooling.

OPERATING INSTRUCTIONS

Once installed, operating the Fasco UB574 motor is straightforward:

1. **Initial Check:** Before applying power, double-check all connections and ensure there are no obstructions to the motor's rotation or the attached component.
2. **Power On:** Apply power to the motor. The motor should start smoothly and reach its operating speed of 1500 RPM.
3. **Monitor:** Observe the motor during its initial operation for any unusual noises, vibrations, or signs of overheating. If any anomalies are detected, immediately disconnect power and investigate.
4. **Continuous Operation:** The motor is designed for continuous operation within its specified parameters.

MAINTENANCE

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

- **Cleaning:** Periodically clean the exterior of the motor to remove dust, dirt, and debris that can impede cooling. Use a soft, dry cloth or compressed air. Do not use liquids directly on the motor.
- **Inspection:** Regularly inspect the motor for:
 - Loose mounting bolts or connections.
 - Signs of wear or damage to the power cord and wiring.
 - Unusual noises or vibrations during operation.
 - Excessive heat.
- **Bearing Maintenance:** This is a unit bearing motor, typically designed for maintenance-free operation. Do not attempt to lubricate or disassemble the sealed bearings unless specifically instructed by the manufacturer.

TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions.

Problem	Possible Cause	Solution
Motor does not start	No power supply	Check power source and circuit breaker.
	Incorrect wiring	Verify wiring against diagram.
	Motor overload	Remove obstruction or reduce load.
	Damaged motor	Contact qualified service personnel.
Motor runs hot	Insufficient ventilation	Ensure clear airflow around motor.
	Motor overload	Reduce load on motor.
	High ambient temperature	Operate within recommended temperature range.
	Bearing wear	Contact qualified service personnel.
Excessive noise or vibration	Loose mounting	Tighten mounting bolts.
	Unbalanced load/fan blade	Check and balance fan blade or load.
	Worn bearings	Contact qualified service personnel.



Figure 2: Detailed view of the Fasco UB574 Motor's robust iron casing and electrical lead, highlighting its industrial construction.

SPECIFICATIONS

Feature	Specification
Brand	Fasco
Model Number	UB574
Speed	1500 RPM
Voltage	115 Volts
Horsepower / Wattage	35 Watts
Material	Iron
Item Weight	0.32 ounces (approx. 9.07 g)
UPC	663001455462
ASIN	B07GD1WQCQ

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact Fasco directly. Warranty terms may vary based on region and retailer.

It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

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