

Packard 69317

Packard 69317 Electric Motor Instruction Manual

Model: 69317 | Brand: Packard

INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Packard Model 69317 electric motor. This motor is a 5-inch diameter, 1100 RPM, 120V unit, commonly used as a replacement for Broan 97009317. Please read this manual thoroughly before proceeding with installation or operation to ensure proper function and safety.

IMPORTANT SAFETY INFORMATION

WARNING: Electrical shock hazard. Always disconnect power before installing, servicing, or cleaning this motor. Installation and servicing should only be performed by a qualified electrician or technician in accordance with all local and national electrical codes.

- Ensure the power supply matches the motor's voltage (120V) and frequency (60 Hz).
- Do not operate the motor if it is damaged or has exposed wiring.
- Keep hands, clothing, and tools clear of moving parts during operation.
- Ensure adequate ventilation around the motor to prevent overheating.
- This motor is designed for an open enclosure; protect it from moisture and debris.

SETUP AND INSTALLATION

Follow these steps for proper installation of your Packard 69317 motor:

1. **Power Disconnection:** Ensure all power to the installation area is disconnected at the circuit breaker or fuse box. Verify with a voltage tester.
2. **Mounting:** The motor features a stud mounting option. Securely attach the motor using the included mounting

hardware. Ensure the motor is firmly seated and aligned to prevent vibration and premature wear.

3. **Wiring:** This is a single-phase, 120V motor. Connect the motor's wires to the appropriate power supply leads. The motor rotation is Clockwise Shaft End (CWSE). Consult a wiring diagram if unsure. Ensure all connections are secure and insulated.
4. **Shaft Connection:** Connect the fan blade or other driven component to the 1/2 x 2-5/8 inch shaft. Ensure the component is balanced and securely fastened.
5. **Enclosure:** As this is an open enclosure motor, ensure it is installed in a location protected from direct moisture, dust, and other contaminants. Maintain adequate airflow around the motor.
6. **Final Check:** Before restoring power, double-check all connections, mounting, and clearances.



Image 1: Packard 69317 motor showing the wiring leads and shaft. The motor features an open enclosure design.

OPERATING INSTRUCTIONS

Once the motor is correctly installed and all safety checks are complete, you can proceed with operation:

- **Power On:** Restore power to the circuit.
- **Start-up:** The motor is designed for single-speed operation at 1100 RPM. It should start smoothly.
- **Monitoring:** During initial operation, observe the motor for any unusual noises, vibrations, or excessive heat.

- **Automatic Overload Protection:** This motor is equipped with automatic overload protection. If the motor experiences an overload condition, it will automatically shut off to prevent damage. Allow the motor to cool down before attempting to restart. Identify and resolve the cause of the overload before restarting.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Packard 69317 motor.

- **Cleaning:** Periodically disconnect power and clean any dust or debris from the motor's exterior and ventilation openings. An open enclosure motor requires more frequent cleaning to prevent buildup that can impede airflow and cause overheating.
- **Inspection:** Regularly inspect the motor for signs of wear, damage, or loose connections. Check the mounting hardware for tightness.
- **Bearings:** This motor uses sleeve bearings. While generally low-maintenance, listen for any unusual noises that might indicate bearing wear. Consult a qualified technician for bearing service if needed.
- **Wiring:** Inspect wiring for fraying, cracks, or loose connections. Repair or replace any damaged wiring immediately.

TROUBLESHOOTING

Before attempting any troubleshooting, ensure power is disconnected. If you are not comfortable performing these checks, contact a qualified technician.

Problem	Possible Cause	Solution
Motor does not start	No power, loose wiring, tripped circuit breaker, motor overload.	Check power supply, verify wiring connections, reset breaker, allow motor to cool if overloaded.
Motor overheats and shuts off	Overload, insufficient ventilation, high ambient temperature, restricted airflow.	Reduce load, ensure clear ventilation, check ambient temperature, clean motor.
Excessive noise or vibration	Loose mounting, unbalanced driven component, worn bearings.	Tighten mounting hardware, check balance of fan/component, consult technician for bearing inspection.
Motor runs slowly	Low voltage, excessive load.	Verify power supply voltage, reduce mechanical load on the motor.

TECHNICAL SPECIFICATIONS

Brand	Packard
Model Number	69317

Replaces	Broan 97009317
Motor Type	Shaded Pole
Horsepower (H.P.)	1/7
Voltage	120V
Amperage	4.30 Amps
RPM	1100 RPM
Frequency	60 Hz
Phase	Single Phase
Diameter	5 inches
Shaft Dimensions (Dia. x Lgth)	1/2 x 2-5/8 inches
Overall Length	5.28 inches
Length Less Shaft	2-5/8 inches
Enclosure	Open
Bearings	Sleeve
Overload Protection	Automatic
Motor Rotation	CWSE (Clockwise Shaft End)
Mounting Option	Stud
NEMA Frame	42
Insulation Class	B
Ambient Temperature	40°C
Certifications	UL, CSA
Country of Origin	USA
Material	Metal
Item Weight	5.9 Pounds
Product Dimensions	8.9 x 5.2 x 5.2 inches
UPC	840899111797



Image 2: Rear view of the Packard 69317 motor, highlighting the mounting studs and open enclosure design.

WARRANTY AND SUPPORT

Warranty: This Packard motor comes with a limited warranty. Please refer to the warranty documentation provided with your purchase for specific terms and conditions.

Customer Support: For technical assistance, replacement parts, or warranty claims, please contact Packard customer service or your authorized dealer. Always provide the model number (69317) when seeking support.