

ICP 1179379

ICP Fast Parts 1179379 Condenser Motor User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the ICP Fast Parts 1179379 Condenser Motor. This motor is designed for use in HVAC condenser units, facilitating proper airflow for heat exchange. Please read this manual thoroughly before attempting any installation or service.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Disconnect all power to the unit before installing or servicing the motor. Failure to do so may result in serious injury or death.

- Always ensure the power supply matches the motor's voltage requirements (208-230V).
- Installation and servicing should only be performed by qualified personnel.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure all wiring connections are secure and properly insulated.
- Do not operate the motor if it is damaged or if any components are missing.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- ICP Fast Parts 1179379 Condenser Motor
- Instruction Manual (this document)
- *(Mounting hardware may be sold separately or included with the HVAC unit.)*

4. INSTALLATION AND SETUP

Follow these steps for proper installation of the condenser motor:

1. **Power Disconnection:** Turn off all electrical power to the HVAC unit at the main breaker or disconnect switch. Confirm power is off using a voltage tester.
2. **Old Motor Removal:** Carefully disconnect the wiring from the old motor. Note or photograph the wiring configuration for reference. Remove any mounting bolts or clamps securing the old motor and fan blade.

Detach the fan blade from the old motor shaft.

3. **Fan Blade Transfer:** Securely attach the existing fan blade to the shaft of the new ICP Fast Parts 1179379 motor. Ensure the blade is balanced and tightened to manufacturer specifications.
4. **Motor Mounting:** Position the new motor in the condenser unit. Secure it using appropriate mounting hardware. Ensure the motor is level and the fan blade has adequate clearance within the shroud.
5. **Wiring Connections:** Connect the electrical wires to the new motor according to the wiring diagram provided with your HVAC unit or the motor itself. Ensure correct voltage (208-230V) and proper phase connections. All connections must be tight and insulated.
6. **Final Checks:** Before restoring power, double-check all connections, mounting, and fan blade clearance. Ensure no tools or debris are left inside the unit.
7. **Power Restoration:** Restore power to the HVAC unit. Observe the motor's operation for any unusual noises or vibrations.



Image 1: The ICP Fast Parts 1179379 Condenser Motor. This image displays the general appearance of the motor, including its housing and shaft, which is crucial for identifying the product during installation.

5. OPERATION

The ICP Fast Parts 1179379 Condenser Motor is designed for continuous operation as part of an HVAC system. Once properly installed and wired, the motor will activate and deactivate automatically in response to the thermostat and system controls, driving the condenser fan blade to dissipate heat from the refrigerant.

- **Normal Operation:** The motor should run smoothly with a consistent hum.
- **Abnormal Operation:** Listen for unusual noises such as grinding, squealing, or excessive vibration, which may indicate a problem.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your condenser motor.

- **Annual Inspection:** At least once a year, or more frequently in dusty environments, inspect the motor for dirt, debris, and corrosion.
- **Cleaning:** With power disconnected, gently clean the exterior of the motor and fan blades using a soft brush or cloth. Ensure the motor's ventilation openings are clear.
- **Lubrication:** This motor typically features sealed bearings that do not require lubrication. Refer to the motor's label for specific lubrication requirements. *Do not lubricate if specified as 'sealed' or 'maintenance-free'.*
- **Wiring Check:** Periodically inspect wiring connections for tightness and signs of wear or damage.

7. TROUBLESHOOTING

Before performing any troubleshooting, ensure all power to the unit is disconnected.

Problem	Possible Cause	Solution
Motor does not start	No power supply Incorrect wiring Faulty capacitor (if applicable) Motor seized	Check circuit breaker/disconnect Verify wiring against diagram Test/replace capacitor Replace motor
Motor makes unusual noise	Loose fan blade Worn bearings Debris in fan shroud	Tighten fan blade set screw Replace motor Clean fan shroud
Motor overheats	Insufficient airflow Overload Incorrect voltage	Clear obstructions around condenser Ensure correct fan blade size/pitch Verify power supply voltage

If troubleshooting steps do not resolve the issue, contact a qualified HVAC technician.

8. SPECIFICATIONS

Feature	Detail
Brand	ICP
Model Number	1179379
Type	Condenser Motor

Feature	Detail
Voltage	208-230V
Horsepower (HP)	1/12 HP
RPM	820 RPM
Material	Copper
UPC	823960338538
ASIN	B01M08DN15

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact the seller directly. ICP Fast Parts products typically come with a limited warranty covering manufacturing defects. For technical support or assistance with installation and troubleshooting beyond the scope of this manual, please contact your authorized ICP Fast Parts dealer or a certified HVAC technician.

This manual is for informational purposes only. ICP Fast Parts reserves the right to make changes without prior notice.