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› Genteq OEM Replacement X13 Furnace Blower Motor 1/2 HP 208-230 Volt Instruction Manual

## OEM Replm for Genteq 1174279

# Genteq OEM Replacement X13 Furnace Blower Motor 1/2 HP 208-230 Volt Instruction Manual

## 1. INTRODUCTION

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This instruction manual provides essential information for the safe installation, operation, and maintenance of the Genteq OEM Replacement X13 Furnace Blower Motor, model 1174279. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and to prevent potential hazards. Retain this manual for future reference.

## 2. SAFETY INFORMATION

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**WARNING:** Electrical shock hazard. Disconnect power before servicing. Failure to do so can result in serious injury or death.

- Installation and servicing must be performed by a qualified HVAC technician.
- Ensure all local and national electrical codes are followed during installation.
- Verify that the power supply voltage matches the motor's specified voltage (208-230 Volts).
- Do not operate the motor if it is damaged or if any components are missing.
- Keep hands and loose clothing away from moving parts during operation.

## 3. PRODUCT OVERVIEW

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The Genteq OEM Replacement X13 Furnace Blower Motor (Model 1174279) is designed as a direct replacement for existing X13 blower motors in HVAC systems. This 1/2 HP motor operates on 208-230 Volts and is engineered for reliable performance in furnace applications.



Figure 1: Genteq OEM Replacement X13 Furnace Blower Motor. This image displays the cylindrical body of the motor, its ventilation slots, and the extended shaft.

### Key Features:

- OEM Replacement Part
- 1/2 Horsepower (HP)
- X13 Blower Motor Type
- 208-230 Volt Operation

## 4. SPECIFICATIONS

Attribute	Value
Model Number	1174279
Brand	OEM Replm for Genteq
Horsepower	0.5 HP
Voltage	208-230 Volts
Product Dimensions	6 x 6 x 6 inches
Item Weight	12 Pounds (192 Ounces)
Manufacturer	Genteq

## 5. SETUP AND INSTALLATION

**IMPORTANT:** Installation should only be performed by a certified HVAC professional. Incorrect installation

can lead to equipment damage, electrical shock, or fire.

1. **Disconnect Power:** Turn off all power to the furnace or air handler at the main electrical panel. Verify power is off using a voltage tester.
2. **Access Blower Compartment:** Open the access panel to the furnace's blower compartment.
3. **Remove Old Motor:** Disconnect wiring from the old motor, noting the connections for reinstallation. Remove mounting bolts or straps securing the old motor and carefully extract it from the blower housing.
4. **Install New Motor:** Position the new Genteq 1174279 motor into the blower housing. Secure it with the appropriate mounting hardware.
5. **Wire Connections:** Connect the electrical wiring to the new motor according to the furnace manufacturer's wiring diagram and the motor's specifications. Ensure all connections are secure and properly insulated.
6. **Verify Rotation:** Before fully reassembling, temporarily restore power and briefly check the motor's rotation direction. Adjust wiring if necessary to ensure correct airflow.
7. **Reassemble:** Once verified, disconnect power again, close the blower compartment access panel, and secure it.
8. **Restore Power:** Turn on power to the furnace at the main electrical panel.

## 6. OPERATING INSTRUCTIONS

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After successful installation, the Genteq X13 blower motor operates automatically as part of your HVAC system. It will engage when the thermostat calls for heating or cooling, or when the fan is set to continuous operation.

- Ensure your thermostat is set to the desired mode (Heat, Cool, or Fan).
- The motor will start and stop based on the system's demand.
- Listen for unusual noises during operation, which may indicate an issue.

## 7. MAINTENANCE

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Regular maintenance helps ensure the longevity and efficient operation of your furnace blower motor. Always disconnect power before performing any maintenance.

- **Filter Replacement:** Regularly replace or clean your furnace air filter according to the manufacturer's recommendations (typically every 1-3 months). A dirty filter can restrict airflow and overwork the motor.
- **Blower Wheel Cleaning:** Annually, inspect and clean the blower wheel for dust and debris buildup. Excessive buildup can unbalance the wheel and strain the motor.
- **Motor Inspection:** Periodically check the motor for any signs of wear, loose wiring, or unusual noises.
- **Lubrication:** This motor is typically designed with sealed bearings that do not require lubrication. Refer to the motor's specific labeling for lubrication requirements.

## 8. TROUBLESHOOTING

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If you experience issues with your blower motor, consult the following common troubleshooting steps. For complex problems, contact a qualified HVAC technician.

Problem	Possible Cause	Solution
Motor does not start	No power, faulty wiring, thermostat issue, control board issue	Check circuit breaker, verify wiring connections, test thermostat, consult HVAC technician.
Motor runs but no airflow	Blower wheel detached or damaged, incorrect motor rotation	Inspect blower wheel, verify motor rotation (refer to installation).
Unusual noises (grinding, squealing)	Worn bearings, debris in blower, unbalanced blower wheel	Inspect for debris, check blower wheel balance, consider motor replacement if bearings are worn.
Motor overheats	Restricted airflow (dirty filter/coil), incorrect voltage, prolonged operation	Replace air filter, clean coils, verify voltage, ensure proper system sizing.

## 9. WARRANTY AND SUPPORT

Specific warranty details for this OEM replacement part may vary depending on the seller and the original equipment manufacturer (Genteq). Please refer to your purchase documentation or contact the seller directly for information regarding warranty coverage and claims.

For technical support or assistance with installation and troubleshooting beyond the scope of this manual, it is recommended to contact a qualified HVAC professional or the original point of purchase.