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## Genteq K55HXHDD-8562

# GE Emerson Fan Motor User Manual

Model: K55HXHDD-8562 / 1086598

## PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the GE Emerson Fan Motor, Model K55HXHDD-8562 / 1086598. This motor is designed for use in various HVAC applications, specifically compatible with ICP/Heil/Tempstar/Comfort Maker units.



Image: The GE Emerson Fan Motor, Model K55HXHDD-8562, showing its cylindrical body, shaft, and wiring harness. The label on the motor indicates specifications such as model number, voltage, RPM, and safety warnings.

Key specifications include:

- **Horsepower:** 1/5 HP (0.2 hp)

- **Voltage:** 208-230V
- **RPM:** 1075 RPM
- **Frame:** 48Y
- **Shaft Extension:** 2.25 inches
- **Diameter:** 5 5/8 inches
- **Wiring:** 3 wires with a plastic plug (can be used or cut off)

## SAFETY INFORMATION

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**WARNING:** To reduce the risk of electrical shock, disconnect power before servicing. Always follow all safety information, national, and local codes for grounding. Insulate unused lead wires individually.

This motor is thermally protected. Ensure proper ventilation and avoid obstruction of airflow around the motor during operation.

## SETUP AND INSTALLATION

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Installation should be performed by a qualified technician. Ensure the power supply is disconnected before beginning any installation work.

1. **Power Disconnection:** Turn off the main power supply to the HVAC unit at the circuit breaker. Verify power is off using a voltage tester.
2. **Access Motor:** Locate and access the existing fan motor within the HVAC unit. This may involve removing access panels or covers.
3. **Disconnect Old Motor:** Carefully disconnect the wiring from the old motor. Note the wiring configuration for proper re-connection. Remove any mounting bolts or clamps securing the old motor.
4. **Install New Motor:** Position the new GE Emerson Fan Motor (K55HXHDD-8562) in the same location as the old motor. Secure it using the appropriate mounting hardware.
5. **Wiring:** Connect the three wires from the new motor to the corresponding terminals. The motor has a plastic plug that can be used directly if compatible, or cut off for individual wire connections. Ensure all connections are secure and insulated. Refer to the wiring diagram of your specific HVAC unit if available.
6. **Shaft Alignment:** Ensure the motor shaft is properly aligned with the fan blade or blower wheel. Secure the fan blade/blower wheel to the motor shaft.
7. **Final Checks:** Double-check all connections and ensure no tools or debris are left inside the unit. Replace all access panels and covers.

## OPERATING INSTRUCTIONS

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Once installed, the fan motor operates automatically as part of the HVAC system's control sequence. No direct user interaction is typically required for motor operation.

- **Power On:** Restore power to the HVAC unit at the circuit breaker.
- **System Test:** Initiate a test cycle for your HVAC system (e.g., turn on the fan mode or initiate a cooling/heating cycle) to verify proper motor function.
- **Observe Operation:** Listen for unusual noises and observe the fan's rotation. The motor should operate smoothly at 1075 RPM.

## MAINTENANCE

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The GE Emerson Fan Motor is designed for long-term reliability with minimal maintenance. However, periodic checks can help ensure optimal performance and longevity.

- **Annual Inspection:** It is recommended to have a qualified HVAC technician inspect the motor and the entire system annually.
- **Cleanliness:** Ensure the motor and surrounding area are free from dust, dirt, and debris. Accumulation can lead to overheating and reduced efficiency.
- **Vibration Check:** Periodically check for excessive vibration during operation, which could indicate an imbalance in the fan blade or motor mounting issues.
- **Wiring Integrity:** Inspect wiring connections for any signs of wear, fraying, or loose terminals.

*Note: This motor is typically sealed and does not require lubrication. Do not attempt to disassemble the motor for internal cleaning or lubrication.*

## TROUBLESHOOTING

Before attempting any troubleshooting, ensure the main power to the HVAC unit is disconnected.

Problem	Possible Cause	Solution
Motor does not start	No power supply Loose wiring connections Faulty capacitor (if external) Motor overload/thermal trip	Check circuit breaker and power supply. Verify all wiring connections are secure. Consult a technician to test/replace capacitor. Allow motor to cool; check for obstructions.
Motor runs but fan does not turn	Fan blade/blower wheel loose on shaft Shaft obstruction	Tighten set screw on fan blade/blower wheel. Remove any obstructions.
Excessive noise or vibration	Loose mounting Unbalanced fan blade/blower wheel Bearing wear	Secure motor mounting bolts. Inspect fan blade for damage or debris; clean if necessary. Consult a technician for bearing issues.
Motor overheats	Insufficient airflow Overload Incorrect voltage	Ensure clear airflow around motor and through unit. Verify fan blade is not obstructed. Check power supply voltage.

*If troubleshooting steps do not resolve the issue, contact a qualified HVAC technician for further assistance. Do not attempt repairs beyond your technical capabilities.*

## SPECIFICATIONS

Attribute	Value
Brand	Genteq (Compatible with ICP / Heil / Tempstar)
Model Number	K55HXHDD-8562 / 1086598
Part Number	HQ1086598EM (also 1086598, HQ1082639, 1082639)

Attribute	Value
Horsepower (HP)	1/5 HP (0.2 hp)
Voltage	208-230 Volts
Speed	1075 RPM
Frame	48Y
Diameter	5 5/8 inches
Shaft Extension	2.25 inches
Material	Plastic
UPC	751109532328
Manufacturer	ICP / Heil / Tempstar

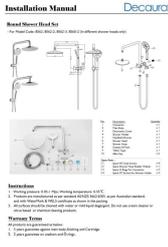
## WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your specific HVAC unit or contact the manufacturer directly. This fan motor is a replacement part for various ICP/Heil/Tempstar/Comfort Maker units.

For technical support or service, please contact a certified HVAC technician or the original equipment manufacturer (OEM) of your HVAC system. Ensure you have the motor model number (K55HXHDD-8562 / 1086598) and the HVAC unit's model number available when seeking support.

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## Related Documents - K55HXHDD-8562

 <p>The image shows the cover of the 'Decaura Round Shower Head Set Installation Manual'. It features the Decaura logo and technical diagrams of the shower head assembly. The text on the cover includes 'Installation Manual', 'Decaura', and 'Round Shower Head Set'.</p>	<p><a href="#">Decaura Round Shower Head Set Installation Manual</a></p> <p>Comprehensive installation manual for Decaura Round Shower Head Sets, including model codes 8562, 8562-2, 8562-3, and 8560-2. Provides detailed instructions, parts list, warranty information, and step-by-step assembly guidance.</p>
 <p>The image shows the cover of the 'Genteq Evergreen EM Indoor Blower Motor Installation Guide'. It features the Genteq logo and technical diagrams of the blower motor. The text on the cover includes 'Genteq', 'Evergreen', and 'EM Indoor Blower Motor'.</p>	<p><a href="#">Genteq Evergreen EM Indoor Blower Motor Installation Guide</a></p> <p>Comprehensive installation guide for Genteq Evergreen EM Indoor Blower Motors (models 6103E, 6203E, 6105E, 6205E, 6107E, 6207E, 6110E, 6210E), covering wiring, startup, diagnostics, mechanical installation, and specifications.</p>



[Redragon Fizz Rainbow Mechanical Gaming Keyboard User Manual](#)

User manual for the Redragon Fizz Rainbow Mechanical Gaming Keyboard, including OS support, key function introductions, macro recording instructions, and FAQs in English, Portuguese, and Russian.



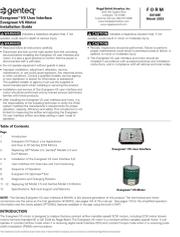
[MARS Motors Catalog - High-Quality HVAC and Refrigeration Motors](#)

Explore the comprehensive MARS Motors catalog, featuring a wide range of high-efficiency ECM and PSC motors for HVAC, refrigeration, and various industrial applications. Find detailed specifications, model numbers, and cross-references for easy selection.



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[Genteq Evergreen VS Motor and User Interface Installation Guide](#)

Comprehensive installation guide for the Genteq Evergreen VS motor and user interface, covering replacement of older ECM motors, wiring diagrams, setup, commissioning, diagnostics, and specifications for HVAC systems. Features advanced capabilities via the Evergreen VS Optimizer tool.