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| Type of Appliance | Direct vent wall furnace suitable for homes, apartments, and condominiums; modular/mobile home approved; forced combustion, forced convection | |
| Rinnai Model Number | RHFE-558RFA-N (Natural gas) | RHFE-558RFA-P (Propane) |
| Gas Rate Input (BTU/hour) | Low - 8,200 High - 21,500 | Low - 8,200 High - 20,700 |
| Gas Rate Output (BTU/hour) | Low - 6,560 High - 17,200 | Low - 6,560 High - 16,560 |
| AFUE Rating | 81.0% | 80.0% |
| Minimum Gas Supply Pressure | 3.5 in (89 mm) W.C. | 8 in (203 mm) W.C. |
| Maximum Gas Supply Pressure | 10.5 in (267 mm) W.C | 13 in (330 mm) W.C. |
| Electrical Connection | AC 120V, 60 Hz, 50 watts | |
| Gas Connection | 1/2 inch FNPT | |
| Combustion System | Stainless steel inshot burners | |
| Ignition System | Direct spark | |
| Fan CFM Output: | Low: 110.5 | High: 162.7 |
| Temperature Settings | Low (LO): minimum combustion 60° - 80° F in 2° increments High (HI): maximum combustion | |
| Temperature Control | Electronic thermostat | |
| Humidifier Tray | Enameled tray with capacity of 3 pints (1.3 liters) | |
| Weight | Approximately 53 lbs (24 kg) | |
| Clearance from Combustibles | Side: 2 inches (50 mm) Front: 40 inches (1 m) | Top: 10 inches (250 mm) |
| Noise Level | 32 - 39 dB(A) | |
| Warm Air Outlet | Bottom front louvers | |

FEATURES

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| Linear function modulation: | provides precise gas flow |
| Negative coefficient thermistor: | detects temperature change in 1/2 of a degree |
| Variable speed inducer motor: | monitors and controls combustion fan |
| Quiet operation: | reduces noise through use of swept blades in convection fan; and through the design of the combustion chamber and heat exchanger which silently expand or contract due to temperature changes |
| Self diagnostic electronics: | continually monitors functions; provides auto shutdown codes; indicates when air filter needs cleaning |

Safety Devices

- Flame rod detects flame failure; results in auto shutdown to prevent escape of gas
- Bi-metal switch, thermal fuse, and thermistor detect overheat condition; results in auto shutdown
- 3 amp fuse protects against power surge; results in auto shutdown
- Abnormal spark at time of ignition results in auto shutdown
- Combustion fan purges any gas from the combustion chamber before ignition
- Convection fan continues to run after burner shutdown to cool internal parts
- Function lock prevents inadvertent operation
- Appliance shuts down if room reaches 104° F (40° C)

Venting

concentric; 3 1/8 inch (80 mm) wall hole

Maximum Vent Length

13 feet (4 m) with a maximum of 2 bends; maximum 8 feet (2.4 m) vertically

Wall Thickness and Flue Manifold Kits (the "A" vent kit is included with the appliance)

| Name | Kit No. | fits walls |
|------------|---------|-----------------------------------|
| S Vent Kit | FOT-150 | 3 - 4 1/2 in (75 - 115 mm) |
| A Vent Kit | FOT-151 | 4 1/2 - 9 1/2 in (115 - 240 mm) |
| B Vent Kit | FOT-152 | 9 1/2 - 15 3/4 in (240 - 400mm) |
| C Vent Kit | FOT-153 | 15 3/4 - 23 5/8 in (400 - 600 mm) |
| D Vent Kit | FOT-154 | 23 5/8 - 31 1/2 in (600 - 800 mm) |

Warranty

Labor: 2 years; Parts: 5 years; Heat Exchanger: 10 years with years 6-10 prorated

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to installation.

DIMENSIONS

