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Direct vent wall furnace suitable for homes including mobile and Type of Appliance manufactured homes; forced combustion, forced convection **Rinnai Model Number** RHFE-556FA-N (Natural gas) RHFE-556FA-P (Propane) Low - 8,200 Low - 8,200 Gas Rate Input (BTU/hour) High - 21,500 High - 20,700 Gas Rate Output (BTU/hour) Low - 6,640 Low - 6,640 High - 17,420 High - 16,770 80.6% 81.0% **AFUE Rating Minimum Gas Supply Pressure** 5 in (127 mm) W.C. 11 in (279 mm) W.C. 10.5 in (267 mm) W.C 13 in (330 mm) W.C. Maximum Gas Supply Pressure AC 120V, 60 Hz, 52 watts **Electrical Connection Gas Connection** 1/2 inch FNPT Stainless steel inshot burners **Combustion System Ignition System** Direct spark Fan CFM Output: Low: 110.5 High: 162.7 Low (LO): minimum combustion **Temperature Settings** 60° - 80° F in 4° increments High (HI): maximum combustion Electronic thermostat **Temperature Control** Enameled tray with capacity of 3 pints (1.3 liters) **Humidifier Tray** Approximately 51 lbs (23 kg) Weight Side: 2 inches (50 mm) Top: 10 inches (250 mm) **Clearance from Combustibles** Front: 40 inches (1 m) 32 - 41 dB(A) Noise Level Bottom front louvers Warm Air Outlet

FEATURES

| 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 | |

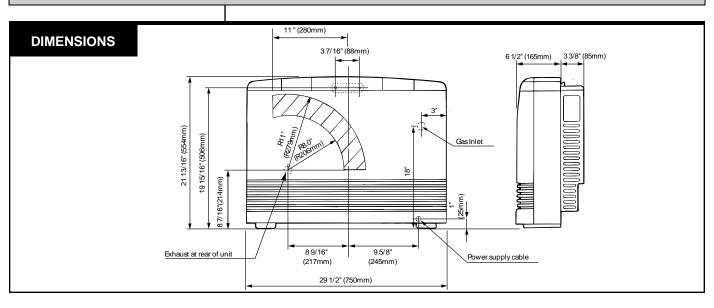


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| | | | 556FAIII | |
|---|---|----------------|--|--|
| Safety Devices | Flame rod detects flame failure; results in auto shutdown to prevent escape of gas Bi-metal switch, thermal fuse, and thermistor detect overheat condition; results in auto shutdown | | | |
| | 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 | Name | Kit No. | fits walls | |
| Flue Manifold Kits (the "A" vent kit is included | S Vent Kit | FOT-150 | 3 - 4 1/2 in (75 - 115 mm) | |
| with the appliance) | 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; Pa prorated | arts: 5 years; | leat Exchanger: 10 years with years 6-10 | |

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.



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