

<b>Type of Appliance</b>	Direct vent wall furnace suitable for homes, apartments, and condominiums, residential or commercial setting; modular/mobile home approved; forced combustion, forced convection	
<b>Rinnai Model Number</b>	<b>RHFE-434FTA-A-N (Natural gas) RHFE-434FTA-A-P (Propane)</b>	
<b>Gas Rate Input (BTU/hour)</b>	Low - 8,200 High - 16,700	Low - 8,200 High - 16,700
<b>Gas Rate Output (BTU/hour)</b>	Low - 6,560 High - 13,360	Low - 6,560 High - 13,360
<b>AFUE Rating</b>	81%	82%
<b>Minimum Gas Supply Pressure</b>	3.5 in (89 mm) W.C.	8 in (203 mm) W.C.
<b>Maximum Gas Supply Pressure</b>	10.5 in (267 mm) W.C	13 in (330 mm) W.C.
<b>Electrical Connection</b>	AC 120V, 60 Hz, 46 watts	
<b>Gas Connection</b>	1/2 inch NPT	
<b>Combustion System</b>	Stainless steel Bunsen burners	
<b>Ignition System</b>	Electronic spark ignition	
<b>Fan CFM Output</b>	Low: 110.5	High: 141.3
<b>Temperature Settings</b>	Low (LO): minimum combustion 60° - 80° F in 2° increments High (HI): maximum combustion	
<b>Temperature Control</b>	<ul style="list-style-type: none"> <li>• Electronic thermostat</li> <li>• Temperature limiting program to comply with Inside Design Temperature limits</li> </ul>	
<b>Humidifier Tray</b>	Enameled tray with capacity of 2.1 pints (1000 cc)	
<b>Weight</b>	Approximately 57 lbs (26 kg)	
<b>Clearance from Combustibles</b>	Side: 2 inches (50 mm), Top: 0 inches (0 mm), Front: 40 inches (1 m)	
<b>Noise Level</b>	33 - 38 dB(A)	
<b>Warm Air Outlet</b>	Bottom front louvers	

### FEATURES

<b>Restart capability:</b>	restarts automatically when ignition or combustion fails
<b>Timer Settings:</b>	starts and turns off the heater at 2 timer settings
<b>Seven-stage modulating gas valve:</b>	provides precise gas flow by operating from one to seven stages
<b>Negative coefficient thermistor:</b>	detects temperature change in 1/2 of a degree
<b>Variable speed inducer motor with pressure switch:</b>	monitors and controls combustion fan and allows the appliance to overcome winds of up to 40 mph
<b>Self diagnostic electronics:</b>	continually monitors functions; provides auto shutdown codes; indicates when air filter needs cleaning
<b>Quiet operation:</b>	reduces noise through use of swept blades in convection fan; quiet expansion / contraction of parts due to temperature changes

### 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
- Child 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 10 feet (3 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

### Conversion Kit

To natural gas: 204000035      To propane gas: 204000039

*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

