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	Ξ	X22C (RHFE-559FTA)	
Type of Appliance	Direct vent wall furnace suitable for homes, apartments, and condominiums, residential or commercial setting; modular/mobile home approved; forced combustion, forced convection		
Rinnai Model Number	RHFE-559FTA-A-N (Natural gas)	RHFE-559FTA-A-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%	82%	
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, 56 watts		
Gas Connection	1/2 inch NPT		
Combustion System	Stainless steel Bunsen burners		
Ignition System	Electronic spark ignition		
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 Temperature limiting program to comply with Inside Design Temperature limits 		
Humidifier Tray	Enameled tray with capacity of 2.1 pints (1000 cc)		
Weight	Approximately 57 lbs (26 kg)		
Clearance from Combustibles	Side: 2 inches (50 mm), Top: 0 inches (0 mm), Front: 40 inches (1 m)		
Noise Level	33 - 42 dB(A)		
Warm Air Outlet	Bottom front louvers		

FEATURES

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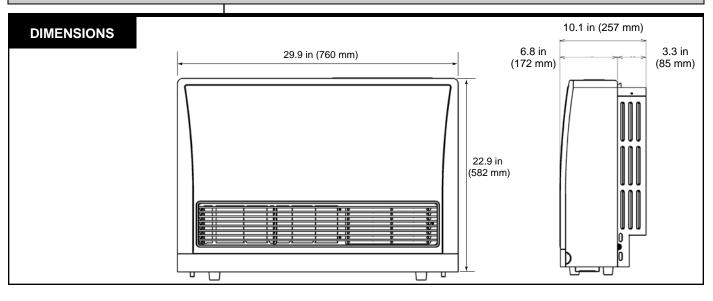




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 Flame rod detects flame failure; results in auto shutdown to prevent escape of gas 			
• Bi-metal switch, thermal fuse, and thermistor detect overheat condition; results in auto shutdown			
3 amp fuse protects against power surge; results in auto 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) 			
concentric; 3 1/8 inch (80 mm) wall hole			
13 feet (4 m) with a maximum of 2 bends; maximum 10 feet (3 m) vertically			
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)	
Labor: 2 years; Parts: 5 years; Heat Exchanger: 10 years			
To natural gas: 204000036		To propane gas: 204000040	
	of gas Bi-metal switch results in auto 3 amp fuse pro Abnormal spar Combustion fan ignition Convection fan Child lock prev Appliance shut concentric; 3 1/8 i 13 feet (4 m) with Name S Vent Kit A Vent Kit B Vent Kit C Vent Kit D Vent Kit Labor: 2 years; Pa	of gas Bi-metal switch, thermal fuse results in auto shutdown Abnormal spark at time of igr Combustion fan purges any g ignition Convection fan continues to r Child lock prevents inadverte Appliance shuts down if room concentric; 3 1/8 inch (80 mm) v 13 feet (4 m) with a maximum of Name Kit No. S Vent Kit FOT-150 A Vent Kit FOT-151 B Vent Kit FOT-152 C Vent Kit FOT-153 D Vent Kit FOT-154 Labor: 2 years; Parts: 5 years; F	

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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