



The new degree of comfort.®



Water

Commercial Gas
Tankless Water Heater Systems

Rheem® Commercial Tankless System – Free Standing

This custom-built tankless solution arrives on the jobsite factory-assembled with single point connections, including:

- RTGH-CM95 Condensing Tankless Water Heaters
- Factory installed system control manifold
- Pre-sized water and gas manifold
- Electrical wiring
- Condensate lines

System Options

- 2-6 tankless units per system

Engineered Solution by Rheem

- Scalable from 11,000 BTU/h to 1,199,400 BTU/h per system (6 units max per system rack, multiple racks can be linked up to 20 total units or 3,998,000 BTU/h)
- Multiple configurations
- Options for future expansion

Installation Savings

- Reduce installation costs with single point connections

Industry Best Solutions

- Minimum side to side clearances = 1/2 inch (to combustibles)
- Minimum flow rate = 0.26 GPM
- Minimum activation rate = 0.40 GPM
- UL-1738 & ULC-S636 certification on PPs venting accessories

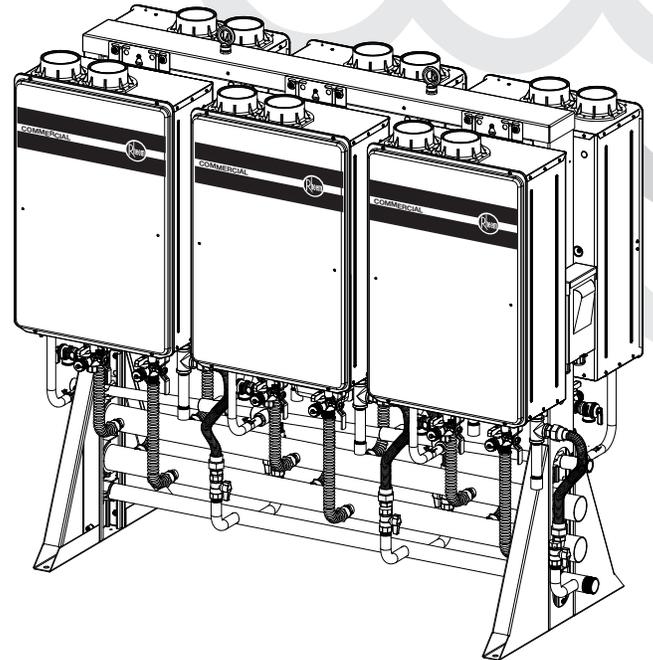
Redundancy

- Modular system allows Isolation to reduce downtime

Warranty

- 5-Year heat exchanger, 5-years parts, 1-year rack parts and 1-year labor warranty*

*See Commercial Warranty Certificate for complete information

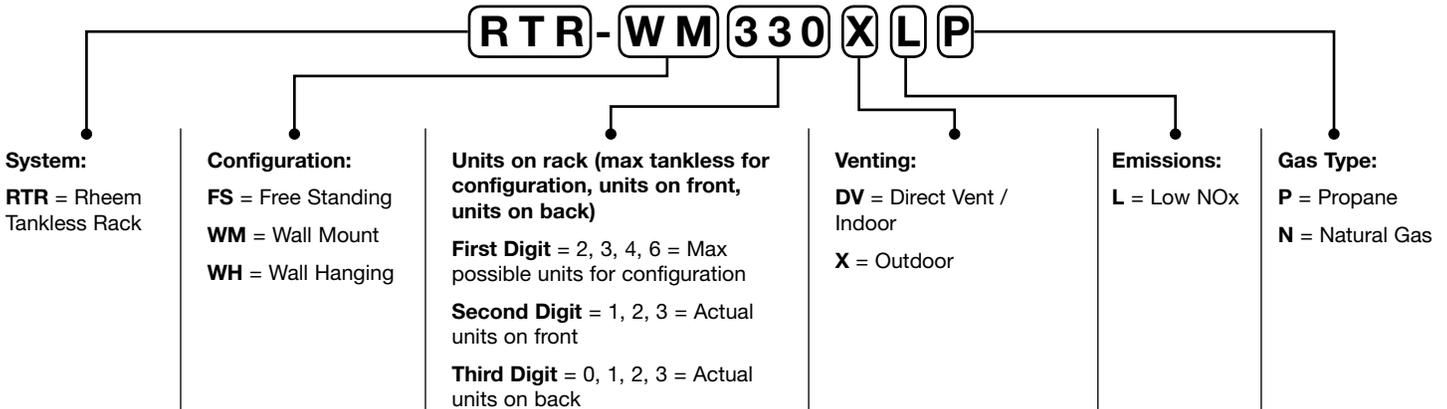


INTEGRATED HOME COMFORT

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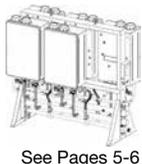
RTR PART NUMBERS AND LAYOUTS

Commercial Tankless System Model Numbers Explained



Free Standing Tankless Rack System

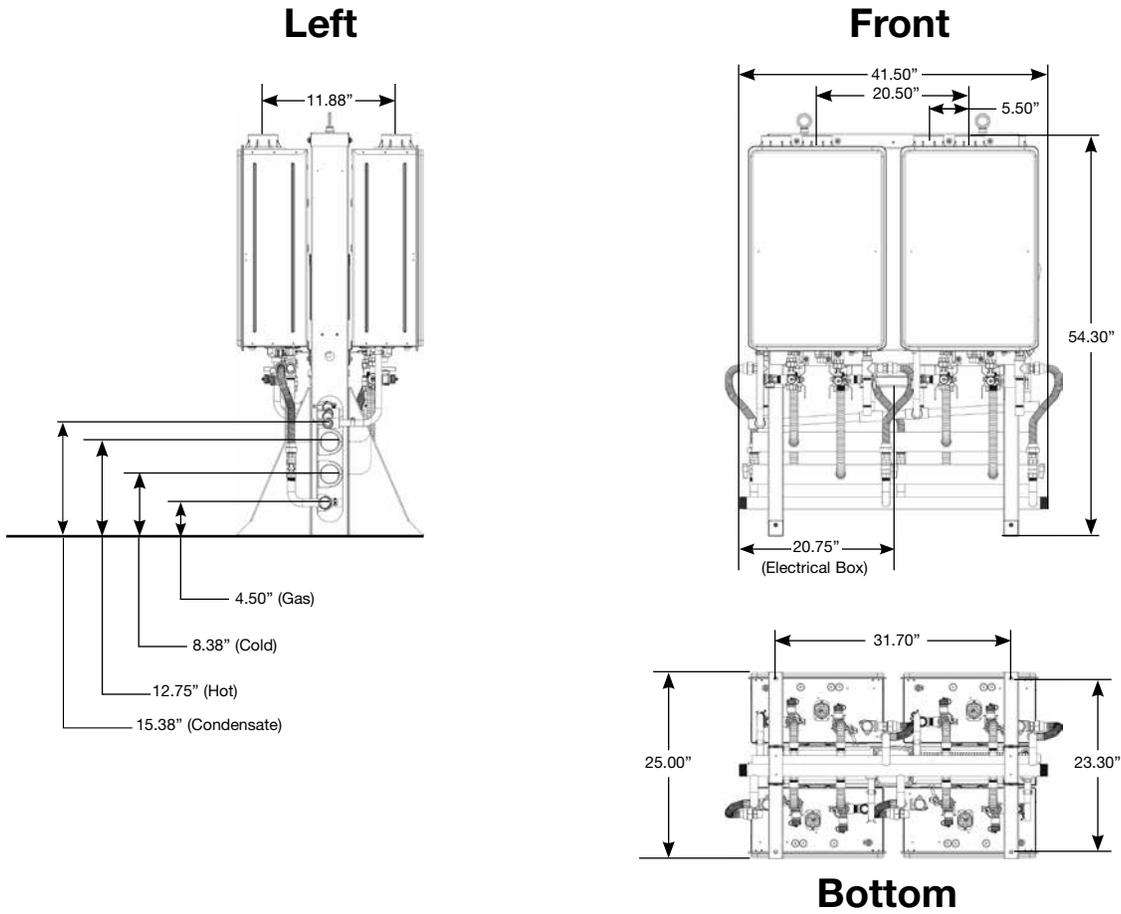
Mounts to ground only, must be on the ground, can be any distance from the wall.

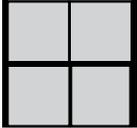
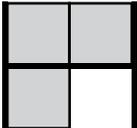
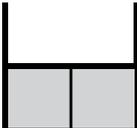
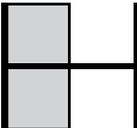
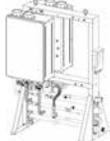


MODEL NUMBER	NUMBER OF UNITS	SYSTEM DESCRIPTION	FUEL TYPE	LAYOUT
RTR-FS411DVLN	2-Units	Indoor Free Standing	Nat. Gas	
RTR-FS411XLN	2-Units	Outdoor Free Standing	Nat. Gas	
RTR-FS411XVLP	2-Units	Outdoor Free Standing	LP Gas	
RTR-FS420DVLN	2-Units	Indoor Free Standing	Nat. Gas	
RTR-FS420XLN	2-Units	Outdoor Free Standing	Nat. Gas	
RTR-FS420XLP	2-Units	Outdoor Free Standing	LP Gas	
RTR-FS630DVLN	3-Units	Indoor Free Standing	Nat. Gas	
RTR-FS630XLN	3-Units	Outdoor Free Standing	Nat. Gas	
RTR-FS630XLP	3-Units	Outdoor Free Standing	LP Gas	
RTR-FS421DVLN	3-Units	Indoor Free Standing	Nat. Gas	
RTR-FS421XLN	3-Units	Outdoor Free Standing	Nat. Gas	
RTR-FS421XLP	3-Units	Outdoor Free Standing	LP Gas	
RTR-FS422DVLN	4-Units	Indoor Free Standing	Nat. Gas	
RTR-FS422XLN	4-Units	Outdoor Free Standing	Nat. Gas	
RTR-FS422XLP	4-Units	Outdoor Free Standing	LP Gas	
RTR-FS632DVLN	5-Units	Indoor Free Standing	Nat. Gas	
RTR-FS632XLN	5-Units	Outdoor Free Standing	Nat. Gas	
RTR-FS632XLP	5-Units	Outdoor Free Standing	LP Gas	
RTR-FS633DVLN	6-Units	Indoor Free Standing	Nat. Gas	
RTR-FS633XLN	6-Units	Outdoor Free Standing	Nat. Gas	
RTR-FS633XLP	6-Units	Outdoor Free Standing	LP Gas	

4 UNIT FREE STANDING FRAME

Dimensions



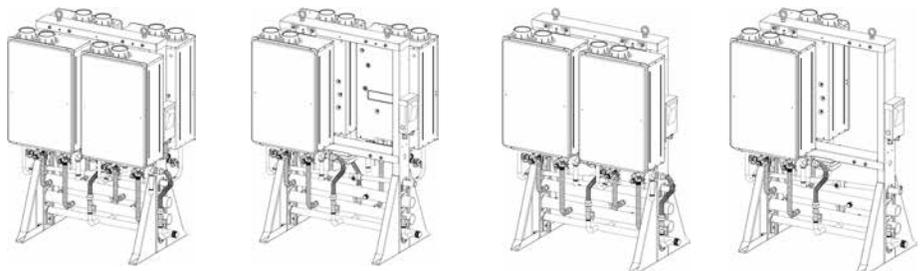
MODEL	LAYOUT	ILLUSTRATION
RTR-FS422		
RTR-FS412		
RTR-FS420	Inline (facing same direction) 	
RTR-FS411	Back to Back 	

4 UNIT FREE STANDING FRAME

Specifications

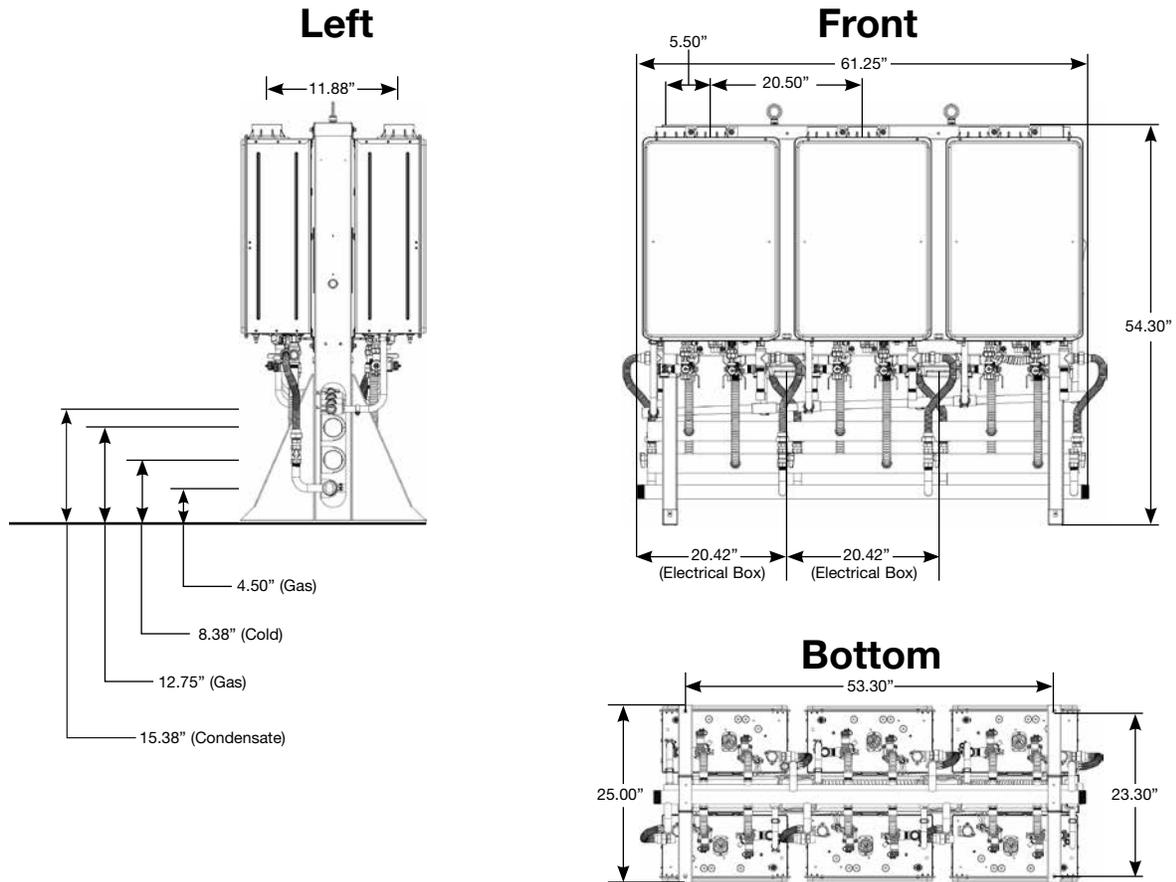
MODEL	RTR-FS422*	RTR-FS421*	RTR-FS420*	RTR-FS411*
Water Heater Model	RTGH-CM95DVLN, RTGH-CM95DVLP RTGH-CM95XLN, RTGH-CM95XLP (Indoor NG/LP) (Outdoor NG/LP)			
Crate Dimensions (HxLxD) - Inches	62 X 55 X 36			
Weight - Fully Assembled - Lbs.	420	330	240	240
Weight - Shipping (Total) - Lbs.	530	440	350	350
Rack Frame - Specifications				
Frame Material	14 Gauge Galvanized Steel			
Frame Finish	Powder Coat			
Color	Gray			
Mounts To	Ground Only			
Water, Gas and Condensate Connections				
Hot Water Trunk Line Diameter	2 - 1/2"			
Cold Water Trunk Line Diameter	2 - 1/2"			
Hot Water Trunk Line Material	Rigid Copper			
Cold Water Trunk Line Material	Rigid Copper			
Water Trunk Connection Type	2 - 1/2" Pipe			
Gas Trunk Line Diameter	1-1/2"			
Gas Trunk Connection Type	1-1/2" MNPT			
Gas Trunk Line Material	Sch 40 Steel			
Gas Branch Line Material	Sch 40 Steel			
Condensate Trunk Line Diameter	3/4"			
Condensate Trunk Material	Sch-40 PVC			
Condensate Trunk Connection Type	3/4" Pipe			
Electric				
Voltage	120V AC/60 Hz			
Maximum Current (Amperes)	16	12	N/A	
Controller	UMC-117			
Controller Cable	18 AWG			
BTU and Flow Rates				
Number of Tankless Water Heaters	4	3	2	
Flow Rate @ 70°F Rise (GPM)	21.5	16.1	10.7	
Flow Rate @ 100°F Rise (GPM)	15.0	11.3	7.5	
Minimum Input Rate (BTU/h)	11,000			
Maximum Input Rate (BTU/h)	799,600	599,700	399,800	

*Refer to page 2 for Part Number



6 UNIT FREE STANDING FRAME

Dimensions



MODEL	LAYOUT	ILLUSTRATION
RTR-FS633		
RTR-FS623		
RTR-FS630		

6 UNIT FREE STANDING FRAME

Specifications

MODEL	RTR-FS633*	RTR-FS632*	RTR-FS630*
Water Heater Model	RTGH-CM95DVLN, RTGH-CM95DVLN RTGH-CM95XLN, RTGH-CM95XLP (Indoor NG/LP) (Outdoor NG/LP)		
Crate Dimensions (HxLxD) - Inches	64 X 73 X 30		
Weight - Fully Assembled - Lbs.	620	530	350
Weight - Shipping (Total) - Lbs.	760	670	490
Rack Frame - Specifications			
Frame Material	14 Gauge Galvanized Steel		
Frame Finish	Powder Coat		
Color	Gray		
Mounts To	Ground Only		
Water, Gas and Condensate Connections			
Hot Water Trunk Line Diameter	2-1/2"		
Cold Water Trunk Line Diameter	2-1/2"		
Hot Water Trunk Line Material	Rigid Copper		
Cold Water Trunk Line Material	Rigid Copper		
Water Trunk Connection Type	2-1/2" Pipe		
Gas Trunk Line Diameter	1-1/2"		
Gas Trunk Connection Type	1-1/2" MNPT		
Gas Trunk Line Material	Sch 40 Steel		
Gas Branch Line Material	Sch 40 Steel		
Condensate Trunk Line Diameter	3/4"		
Condensate Trunk Line Material	Sch-40 PVC		
Condensate Trunk Connection Type	3/4" Pipe		
Electric			
Voltage	120V AC/60 Hz		
Maximum Current (Amperes)	24	20	12
Controller	UMC-117		
Controller Cable	18 AWG		
BTU and Flow Rates			
Number of Tankless Water Heaters	6	5	3
Flow Rate @ 70°F Rise (GPM)	32.2	26.8	16.1
Flow Rate @ 100°F Rise (GPM)	22.5	18.8	11.3
Minimum Input Rate (BTU/h)	11,000		
Maximum Input Rate (BTU/h)	1,199,400	999,500	599,700

*Refer to page 2 for Part Number

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

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