



The new degree of comfort.®



Commercial Gas
Tankless Water Heaters

Rheem Commercial Condensing Tankless Water Heaters

Commercial Tankless Models



RTGH-C95DVL



RTGH-C95XL

Commercial Tankless Models with Manifold Control



RTGH-CM95DVL



RTGH-CM95XL




Rheem Model Number	RTGH-C95DVLN / RTGH-CM95DVLN	RTGH-C95DVL / RTGH-CM95DVL	RTGH-C95XLN / RTGH-CM95XLN	RTGH-C95XLP / RTGH-CM95XLP
Operation / Installation	Forced Combustion / Indoor Only		Forced Combustion / Outdoor Only	
Minimum/Maximum Gas Rate (Input)	11,000 / 199,900			
Approved Gas Types	Natural Gas	Liquid Propane	Natural Gas	Liquid Propane
Thermal Efficiency	96%		95%	
Dimensions (Inches)	Height: 27-1/2 / Width: 18-1/2 / Depth: 9-3/4 / Weight: 82 Lbs.			
Maximum Altitude	8,400 ft.			
Electrical				
- Appliance	(120 VAC/60 Hz)			
- Temperature Controller	12 V DC			
Ignition System	Direct Ignition			
Hot Water Capacity				
- Minimum Activation Flow Rate	0.4			
- Min Flow Rate (Gpm)	0.26			
- Maximum Flow Rate 	9.5			
Temperature				
- Factory Default Range	100°-120°F			
- Optional Range	85°-185°F			
Temperature (without Remote)	120°F			
Service Connections				
- Gas Supply	3/4" (19mm) MNPT			
- Cold Water Inlet	3/4" (19mm) MNPT			
- Hot Water Outlet	3/4" (19mm) MNPT			
Controller	UMC-117			
Controller Cable	18 AWG			

Chart continued on reverse



INTEGRATED HOME COMFORT

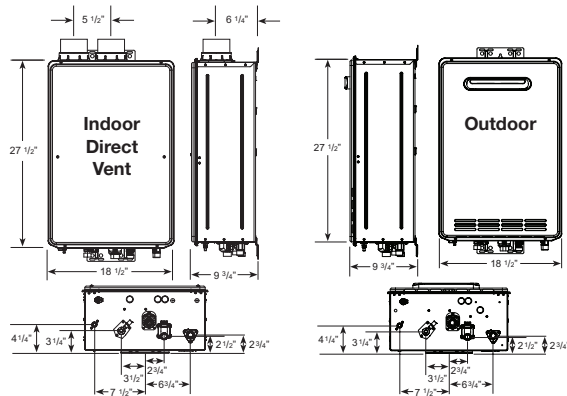
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Rheem Commercial Condensing Tankless Water Heaters Continued

Rheem Model Number	RTGH-C95DVLN / RTGH-CM95DVLN	RTGH-C95DVLV / RTGH-CM95DVLV	RTGH-C95XLN / RTGH-CM95XLN	RTGH-C95XLP / RTGH-CM95XLP
Safety Devices				
Clearances to Combustible and Noncombustible	*24 inches (610mm) recommended for service			
- Top of Heater	12" (30cm)			
- Front of Heater	12" (30cm)			
- Sides of Heater	0.5" (1.3cm)			
- Back of Heater	0"			
- Bottom of Heater	12" (30cm)			
- From Vent Pipe	0"			
Min/Max Gas Supply Pressure	4" wc (1.0kPa) / 10.5" wc (2.6kPa)	8" wc (2.0kPa) / 13" wc (3.2kPa)	4" wc (1.0kPa) / 10.5" wc (2.6kPa)	8" wc (2.0kPa) / 13" wc (3.2kPa)
Min/Max Water Supply Pressure	14 psi (97kPa) / 150 psi (1035kPa)			
NOx	Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx emission levels			
Venting				
	Centrotherm PPs (polypropylene stabilized)		N/A	
	PVC (Schedule 40, ASTM D-1785)		N/A	
	CPVC (Schedule 40, ASTM)		N/A	
	ABS (Schedule 40, ASTM D-2661)		N/A	
Common Venting	Centrotherm PPs (polypropylene stabilized)	N/A		N/A
Power Venting (Room Air Intake)	Individual or Common Vent	Individual		N/A
Warranty	5 Year Heat Exchanger / 5 Year Parts / 1 Year Labor			



Maximum Vent Length (air intake and exhaust) each:

# OF WATER HEATERS	6" COMMON VENT	8" COMMON VENT	10" COMMON VENT
2	70' (21 m)	100' (30 m)	100' (30 m)
3	50' (15 m)	100' (30 m)	100' (30 m)
4	40' (12 m)	100' (30 m)	100' (30 m)
5	N/A	100' (30 m)	100' (30 m)
6	N/A	78' (24 m)	100' (30 m)
7	N/A	55' (17 m)	100' (30 m)
8	N/A	43' (13 m)	100' (30 m)
9	N/A	N/A	100' (30 m)
10	N/A	N/A	85' (26 m)

Equivalent Vent Length:

	6" COMMON VENT	8" COMMON VENT	10" COMMON VENT
87 Degree Elbow	8.0' (2.4 m)	5.0' (1.5 m)	5.0' (1.5 m)
45 Degree Elbow	4.0' (1.2 m)	2.5' (0.8 m)	2.5' (0.8 m)

NOTES:

- Tee Termination has same equivalent vent length as 87 Degree Elbow.
- The system may be vented horizontally through a wall or vertically through the roof.
- Header kits have already been counted and do not need to be added.
- Systems with 9-10 heaters can be vented in-line only.

Maximum Single Unit Vent Length (intake/outlet):

NUMBER OF 90° ELBOWS	MAX. LENGTH OF 2" STRAIGHT PIPE	MAX. LENGTH OF 3" STRAIGHT PIPE	MAX. LENGTH OF 4" STRAIGHT PIPE
0 or 1	5.0 ft. (1.5 m)	38.0 ft. (11.6 m)	94.0 ft. (28.6 m)
2	3.5 ft. (1.0 m)	36.5 ft. (11.1 m)	88.0 ft. (26.8 m)
3	2.0 ft. (0.6 m)	35.0 ft. (10.6 m)	82.0 ft. (25.0 m)
4	N/A	33.5 ft. (10.2 m)	76.0 ft. (23.2 m)
5	N/A	32.0 ft. (9.8 m)	70.0 ft. (21.3 m)
6	N/A	30.5 ft. (9.3 m)	64.0 ft. (19.5 m)

(ULC-S636 pipe must be used for Canada.)

Tankless Multi-Unit Flow Rates

Manifold QTY	Total System BTU Based on 199,000 Btu per Unit	Total System Gallons Per Minute (GPM) - Per Temperature Rise (ΔT)													
		35	45	50	60	70	77	80	90	100	110	120	140		
1	199,900	9.5	8.4	7.5	6.3	5.4	4.9	4.7	4.2	3.8	3.4	3.1	2.7		
2	399,800	19.0	16.7	15.0	12.5	10.7	9.8	9.4	8.4	7.5	6.8	6.3	5.4		
3	599,700	28.5	25.1	22.5	18.8	16.1	14.6	14.1	12.5	11.3	10.2	9.4	8.1		
4	799,600	38.0	33.4	30.1	25.1	21.5	19.5	18.8	16.7	15.0	13.7	12.5	10.7		
5	999,500	47.5	41.8	37.6	31.3	26.8	24.4	23.5	20.9	18.8	17.1	15.7	13.4		
6	1,199,400	57.0	50.1	45.1	37.6	32.2	29.3	28.2	25.1	22.5	20.5	18.8	16.1		
7	1,399,300	66.5	58.5	52.6	43.8	37.6	34.2	32.9	29.2	26.3	23.9	21.9	18.8		
8	1,599,200	76.0	66.8	60.1	50.1	42.9	39.0	37.6	33.4	30.1	27.3	25.1	21.5		
9	1,799,100	85.5	75.2	67.6	56.4	48.3	43.9	42.3	37.6	33.8	30.7	28.2	24.2		
10	1,999,000	95.0	83.5	75.2	62.6	53.7	48.8	47.0	41.8	37.6	34.2	31.3	26.8		
11	2,198,900	104.5	91.9	82.7	68.9	59.1	53.7	51.7	45.9	41.3	37.6	34.4	29.5		
12	2,398,800	114.0	100.2	90.2	75.2	64.4	58.6	56.4	50.1	45.1	41.0	37.6	32.2		
13	2,598,700	123.5	108.6	97.7	81.4	69.8	63.4	61.1	54.3	48.9	44.4	40.7	34.9		
14	2,798,600	133.0	116.9	105.2	87.7	75.2	68.3	65.8	58.5	52.6	47.8	43.8	37.6		
15	2,998,500	142.5	125.3	112.7	94.0	80.5	73.2	70.5	62.6	56.4	51.2	47.0	40.3		
16	3,198,400	152.0	133.6	120.3	100.2	85.9	78.1	75.2	66.8	60.1	54.7	50.1	42.9		
17	3,398,300	161.5	142.0	127.8	106.5	91.3	83.0	79.9	71.0	63.9	58.1	53.2	45.6		
18	3,598,200	171.0	150.3	135.3	112.7	96.6	87.9	84.6	75.2	67.6	61.5	56.4	48.3		
19	3,798,100	180.5	158.7	142.8	119.0	102.0	92.7	89.3	79.3	71.4	64.9	59.5	51.0		
20	3,998,000	190.0	167.0	150.3	125.3	107.4	97.6	94.0	83.5	75.2	68.3	62.6	53.7		

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

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