The new degree of comfort.®

Rheem® RTGH Series Super High Efficiency Condensing Tankless Gas Water Heaters

Easy Installation

- PVC Vent runs up to 60' (2"), 150' (3")
- Enhanced design is up to 20% smaller and lighter making one-person installs even easier

Ready for Retrofits

- **Industry Best!** 1/2" side to side clearance allows you to safely work in spaces the competition can't
- 1/2" Gas line compatibility (subject to local code)

Key Features

- **Rheem® Exclusive!** Hot-start Programming™ ensures the unit is in a ready state between back-to-back usage, minimizing any cold water bursts
- Built-in Wi-Fi with EcoNet® capability for direct control from your device (on select models)
- LeakGuard® – All-inclusive leak detection and prevention system that detects any leak that comes from the unit (on select models)



RTGH Series Models

Indoor Models
(Outdoor Conversion Kit Available: **RTGH-X**)
11,000-199,900 BTU/h
Natural Gas and
Liquid Propane Models*

**Swap P for N in model number for Liquid Propane model*

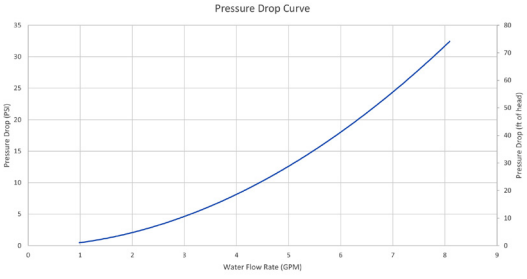
Specifications

Rheem Model Number		RTGH-68DVLN-3	RTGH-84DVLN-3	RTGH-90DVLN-3	RTGH-95DVLN-3 RTGH-95DVELN-3 (Wi-Fi Model)
Gas Input Rate	MAX	120,000 BTU/h	157,000 BTU/h	180,000 BTU/h	199,900 BTU/h
	MIN	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h
Uniform Energy Factor (UEF)		0.90	0.93		
Gallons Per Minute (GPM)	MAX (35°F)	6.6	8.4	9.0	9.5
	45°F Rise	5.1	6.7	7.7	8.5
	67°F Rise	3.4	4.6	5.2	5.7
Number of Bathrooms[1]		2.5	3	3 - 4	4
Temp. Range		100°F - 140°F			
Temp. Setting from Factory		120°F			
High Temp. Upgrade Available		No			
Freeze Protection		-30°F Air Intake[2], -4°F Ambient			
Installation Type		Indoor (Outdoor Conversion Kit sold separately: RTGH-X)			
Heat Exchanger Material		Primary: Copper – Secondary: Stainless Steel			
Minimum Activation Flow		0.4 GPM			
Minimum Continuous Flow		0.26 GPM			
Maximum Altitude		7,800 ft.			
Ultra Low NOx		Meets 14 ng/J NOx requirements - SCAQMD Rule 1146.2 compliant			
Warranty		15 year Heat Exchanger | 5-Year Parts | 1-Year Labor			
Height		23.7"			
Width		17.7"			
Depth		9.8"			
Weight (Lbs.)		52.9			
Venting Diam. Allowed		2" / 3"			
Max. Single Vent Run (straight pipe)		60 ft (2") / 150 ft (3")			
Venting Materials		Sched. 40 PVC, CPVC, Polypropylene			
Manifold Controls (max. units)		6 Units[3]			
Controls		Built-in digital display			
Power Supply		120V 60Hz			
Max. Power Consumption		85W (Normal use), 0.7 Amps 132W (Antifreeze), 1.1 Amps 3.5W (Standby), 0.03 Amps[4]			
Gas Connection		3/4" NPT			
Hot Water Connection		3/4" NPT			
Cold Water Connection		3/4" NPT			
Condensate Connection		1/2" NPT			
Vent Connections Diameter		2" Band Connections (Adapter required to vent with 3" PVC from unit)			

All models are available in Natural Gas or Propane (LP). For Propane replace the N with P for LP model.

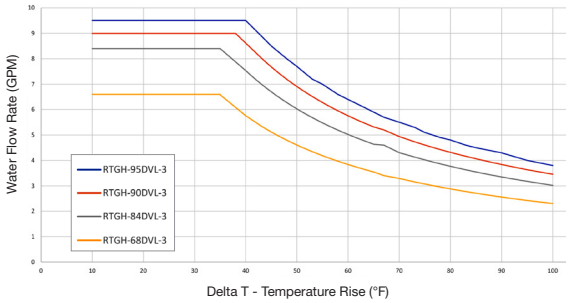
LOW LEAD CONTENT

Clearances	
Top / Bottom	12"
Front	1/2"[5]
Sides	1/2"
Back / From Vent Pipe	0"



[1] Based on simultaneous showers using 2.5 GPM flow rate pre-mixed with cold water line. Flow rates vary depending on temperature of incoming cold water and water heater set temperature. Refer to flow rate curves for accurate sizing. [2] For indoor application, this is the temperature of outdoor intake air. [3] Manifolds with standard RJ11 communication cables. [4] If anti freeze is on and combustion is on, total W will be 217W (85+132). [5] Recommended 24" clearance for service.

Water Heater Flow Rate Curves

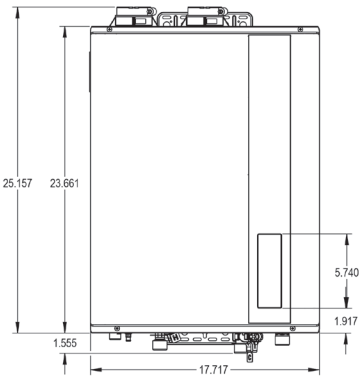


Water Flow (GPM)

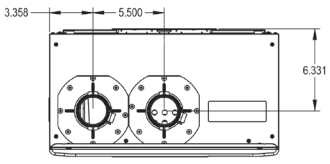
	Temperature Rise (°F)								
Model Number	35°	45°	50°	60°	67°	70°	80°	90°	100°
RTGH-95DVL-3	9.5	8.5	7.7	6.4	5.7	5.5	4.8	4.3	3.8
RTGH-90DVL-3	9.0	7.7	6.9	5.8	5.2	4.9	4.3	3.8	3.5
RTGH-84DVL-3	8.4	6.7	6.0	5.0	4.6	4.3	3.8	3.3	3.0
RTGH-68DVL-3	6.6	5.1	4.6	4.6	3.4	3.3	2.9	2.6	2.3

Above estimates are for sizing purposes only.

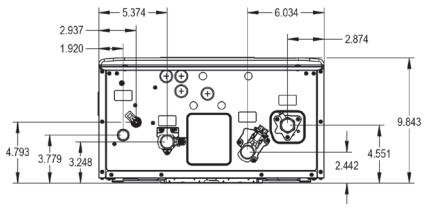
Dimensions



TOP VIEW



BOTTOM VIEW



Venting

SINGLE UNIT: MAX. EQUIVALENT VENT LENGTHS - STRAIGHT PIPE		
Number of 90 Elbows	**Max Length 2" straight pipe**	**Max. length 3" straight pipe**
0	60 ft. (18.3 m)	150 ft. (45.7 m)
1	54 ft. (16.5 m)	144 ft. (43.9 m)
2	48 ft. (14.6 m)	138 ft. (42.7 m)
3	42 ft. (12.8 m)	132 ft. (40.2 m)
4	36 ft. (11.0 m)	126 ft. (38.4 m)
5	30 ft. (9.1 m)	120 ft. (36.6 m)
6	24 ft. (7.3 m)	114 ft. (34.7 m)

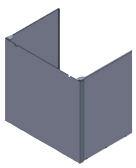
Min. Vent Length Straight Pipe	
Number of 90° Elbows	**Min. Length 2" 3" pipe**
1	1.0 ft (0.3 m)

Equivalent Ft. of Elbows		
	2" Pipe	**3" Pipe**
90° Elbow	6 ft (1.83 m)	6 ft (1.83 m)
45° Elbow	3 ft. (0.9 m)	3 ft. (0.9 m)

Venting Materials Allowed: Schedule 40 PVC, CPVC, Polypropylene

Hanging bracket and bird screens are included with water heater.

Parts & Accessories

Condensate Neutralizer	Recirculation Pump	Pipe Cover	Horizontal Vent Termination	Concentric Vent Termination	AllClear® Water Treatment System	Isolation Valve Kit	Manifold Cables	Outdoor Conversion Kit
SP12151 (optional)	AP17920	AP22097	2" US: SP21069G 3" US: SP21069E	2" - SP20897 3" - SP20245	RTG20251	RTG20326	RCPN-AMP03-0013111101-0003 (48")	RTGH-X
								

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

Rheem Water Heating • 1115 Northmeadow Parkway, Suite 100
Roswell, Georgia 30076 • www.rheem.com

Rheem Canada Ltd./Ltée • 125 Edgeware Road, Unit 1
Brampton, Ontario L6Y 0P5 • www.rheem.com