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 EcoNet® Wi-Fi technology 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 indoor Wi-Fi models)

Specifications

Built-in LeakGuard Model Number MAX Model Number MAX Model Number MAX Min Max Max Min Max									
Model Number MAX 120,000 BTU/h 157,000 BTU/h 180,000 BTU/h 199,900 BTU/h 199,900 BTU/h 11,000 B	Rheem Model Number		RTGH-68DVLN-3	RTGH-84DVLN-3	RTGH-90DVLN-3	RTGH-95DVLN-3			
Min									
Max	das iliput		120,000 BTU/h	157,000 BTU/h	180,000 BTU/h	199,900 BTU/h			
Max (35°F) 6.6 8.4 9.0 9.5			11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h			
Sea	Uniform Energy	Factor (UEF)	0.90						
Per Minute (GPM)	Gallone	MAX (35°F)	6.6	8.4	9.5				
Number of Bathrooms¹ 2.5 3 3 -4 4 Temp. Range 100°F - 140°F Temp. Setting from Factory 120°F High Temp. Upgrade Available No 1stallation Type Indoor (Outdoor Conversion Kit sold separately: RTGH-X) Heat Exchanger Material Primary: Copper – Secondary: Stainless Steel Minimum Activation Flow 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 9.8° Weight (Lbs.) 52.9 Venting Diam. Allowed 2" / 3" Max. Single Vent Run (straight pipe) Venting Materials Sched. 40 PVC, CPVC, Polypropylene Max. Power Consumption 3/4" NPT Cold Water Connection 42° Band Connections (Adapter required to vent Vent Condensate Connection 1/2" NPT Vent Connection 52° Band Connections (Adapter required to vent Vent Connections (Adapter required to vent Vent Connections (Adapter required to vent Vent Connection 52° Band Connections (Adapter required to vent Vent Connection 52° Band Connections (Adapter required to vent Vent Connection 52° Band Connections (Adapter required to vent Vent Connection 52° Band Connections (Adapter required to vent Vent Connection 52° Band Connections (Adapter required to vent Vent Connection 52° Band Connections (Adapter required to vent Vent Connection 52° Band Connections (Adapter required to vent Vent Connection 52° Band Connections (Adapter required to vent Vent Connection 52° Band Connection 52° Ban		45°F Rise	5.1	6.7	7.7	8.5			
Temp. Range Temp. Setting from Factory High Temp. Upgrade Available Freeze Protection Installation Type Heat Exchanger Material Minimum Activation Flow Maximum Altitude Warranty Height Width 17.7" Depth Depth Weight (Lbs.) Venting Diam. Allowed Max. Single Vent Run (straight pipe) Venting Materials Manifold Controls (max. units) Controls Max. Power Consumption Max. Power Consumption Max. Power Consumption Gdd Water Connection Condensate Connection Vent Connections Var Agen Var Arror 120°F 120°F No	(GPM)	67°F Rise	3.4	4.6	5.2	5.7			
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Power Supply				6 Units ³					
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Hot Water Connection 3/4" NPT Cold Water Connection 3/4" NPT Condensate Connection 1/2" NPT Vent Connections 2" Band Connections (Adapter required to vent			132W (Antifreeze), 1.1 Amps						
Cold Water Connection 3/4" NPT Condensate Connection 1/2" NPT Vent Connections 2" Band Connections (Adapter required to vent	Gas Connection		3/4" NPT						
Condensate Connection 1/2" NPT Vent Connections 2" Band Connections (Adapter required to vent	Hot Water Connection		3/4" NPT						
Vent Connections 2" Band Connections (Adapter required to vent	Cold Water Connection		3/4" NPT						
	Condensate Connection		1/2" NPT						

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



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

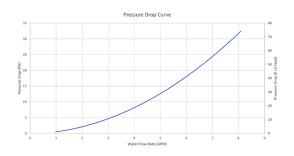








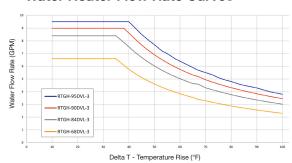
Clearances					
Top / Bottom	12"				
Front	1/2"5				
Sides	1/2"				
Back / From Vent Pipe	0"				



¹Based 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. ²For indoor application, this is the temperature of outdoor intake air. ³Manifolds with standard RJ11 communication cables. ⁴If anti freeze is on and combustion is on, total W will be 217W (85+132). ⁵Recommended 24* clearance for service.



Water Heater Flow Rate Curves

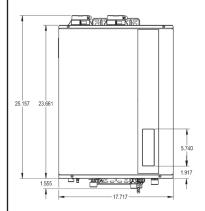


Water Flow (GPM)

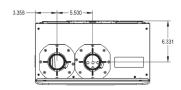
Temperature Rise (°F)									
Model Number	35°	45°	50°	60°	67°	70°	80°	90°	100°
RTGH-95DVL-3	9.5	8.5	7.7	6.4	5.7	5.5	4.8	4.3	3.8
RTGH-90DVL-3	9.0	7.7	6.9	5.8	5.2	4.9	4.3	3.8	3.5
RTGH-84DVL-3	8.4	6.7	6.0	5.0	4.6	4.3	3.8	3.3	3.0
RTGH-68DVL-3	6.6	5.1	4.6	4.6	3.4	3.3	2.9	2.6	2.3

Above estimates are for sizing purposes only.

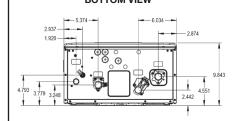
Dimensions



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
RTG20329AR (optional)	AP17920	AP22097	2" US: SP21069G 3" US: SP21069E	2" - SP20897 3" - SP20245	RTG20251	RTG20326	RCPN-AMP03- 00131111101-0003 (48")	RTGH-X

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

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