



The new degree of comfort.®



Residential Gas  
**Prestige RTGH Tankless Water Heaters**

# Rheem® Prestige® Series Condensing Tankless Water Heater with Built-In Recirculation

## Key Features

- **Built-in recirculation (timer based, on-demand optional)** — Instant hot water at the tap saving time and reducing water waste
- **Max vent lengths: 100' @ 3", 50' @ 2"** — Flexible installations and compatibility with more situations
- **Common venting of two units** — Fewer wall penetrations, easier to install and more flexible options
- **Power venting capability (single units only, not common vented)** — More install options and faster to install
- **Max GPM of 11**

## Specifications

Rheem Model Number		RTGH-RH11DV	RTGH-RH10DV
Gas Input Rate	MAX	199,000 BTU/h	180,000 BTU/h
	MIN	18,000 BTU/h	18,000 BTU/h
	High Altitude (2,500-8,400 ft.)*	180,000 BTU/h	180,000 BTU/h
Uniform Energy Factor (UEF)		0.94	0.94
Gallons Per Minute (GPM)	MAX GPM	11.0 Gal	9.9 Gal
	45°F Rise	8.5 Gal	7.7 Gal
	77°F Rise	5.0 Gal	4.5 Gal
Number of Bathrooms		4	3 - 4
Temp. Range		100°F - 140°F	
Type		Indoor Direct Vent (Outdoor Conversion Coming Soon)	
Flue System		Sealed Combustion Direct Vent, Single Vent	
Ignition System		Direct Electronic Ignition / Automatic Flame Sensing	
Burner System		Premixed Metal Fiber Burner	
Gas Valve System		Air ratio valve	
Minimum Flow Activation Flow		0.5 GPM	
Internal Pipe Material		STS 304, Copper Tubing	
Water Holding Capacity		Under 2 Gallon	
Water Pressure	MAX	Hot water 150 psi	
	MIN	15 psi	
Materials	Casing	Cold Rolled Carbon Steel	
	Heat Exchanger	Heat Exchanger : STS 304	
Safety Devices		Flame Sensor, Overheat Cut Off Limit Switch , Gas Leak Detector sensor, Water Leak Detector Sensor Exhaust Temperature Sensor, Water Temperature Sensor	
Warranty		12-Year Heat Exchanger – Residential 5-Year Heat Exchanger – Commercial 5-Year Parts including Pump 1-Year Labor	

\*Natural Gas models only, LP models rated only to sea level.



## RTGH-RH10DV & RTGH-RH11DV

Indoor Direct Vent Model  
18,000-199,000 BTU/h  
Natural and LP Gas



## Installation Information

Rheem Model Number	RTGH-RH11DV / RTGH-RH10DV
Height	28.7"
Width	17.3"
Depth	14.8"
Weight	85 lbs
Max. Vent Run	2"(50ft) / 3"(100ft) Schedule 40 PVC, CPVC, PP
Power Supply	120V 60Hz
Max. Power Consumption	172W(82W+90W_PUMP)
Gas Conn.	3/4"
Water Conn.	3/4"



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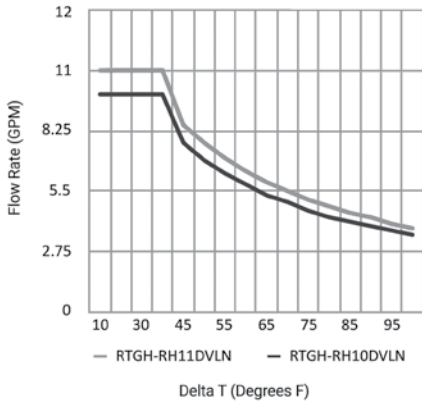
## Maximum Vent Length for Direct Vent (2 Pipe)

NUMBER OF WATER HEATERS COMMON VENTED	PIPE SIZE		
	2"	3"	4"
1	50'	100'	N/A
2	N/A	50'	83'

NOTE: Minimum vent length 7' for 2" and 3" venting.

Equivalent Elbow Lengths in Ft. of Straight Pipe		
	2"	3"
90°	8'	5'
45°	4'	2.5'

## Water Heater Flow Rate Curves



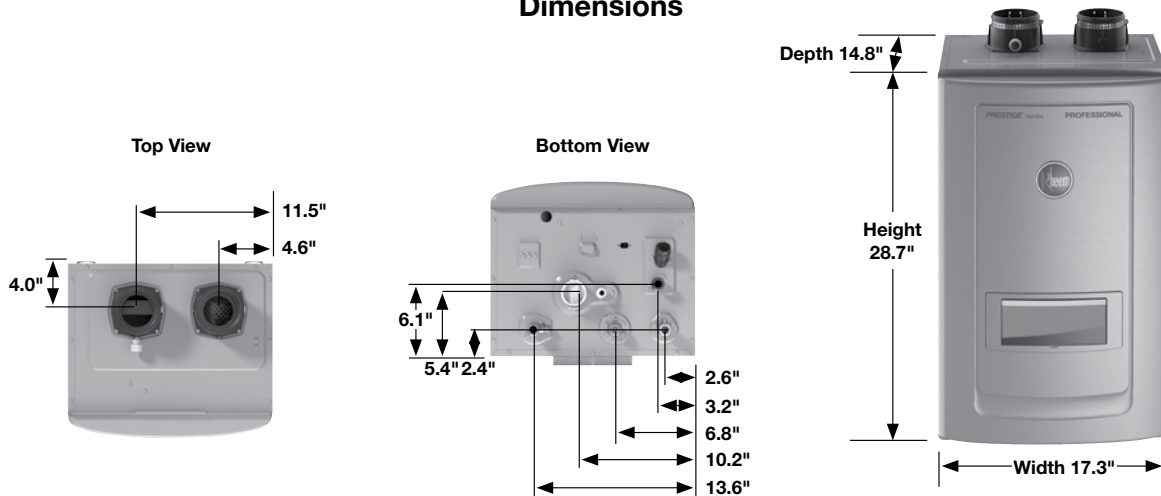
## Recirculation Lengths

Maximum Recirculation Length	
3/4"	500'
1/2"	200'








Model Number	Temperature Rise (° F)							
	35°	45°	50°	60°	70°	80°	90°	100°
RTGH-RH11DV Water Flow (GPM)	11.0	8.5	7.7	6.4	5.5	4.8	4.3	3.8
RTGH-RH10DV Water Flow (GPM)	9.9	7.7	6.9	5.8	5.0	4.3	3.9	3.5

Above estimates are for sizing purposes only.

## Dimensions



## Parts & Accessories

Condensate Neutralizer	On-Demand Activation Kit	Quick Connect Cable	Vent Screens	Service Valves	Pressure Relief Valve	Bracket and Anchors
 SP12151 - (Optional)* Safely dispose of condensate	 SP20941 - (Optional) Converts the timer based pump to on-demand function, includes wall switch for activation	 SP20892 - (Optional) for 2 unit manifolding	 (Included)	 (Required)	 (Required)	 (Included)

\*Check your local plumbing codes

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

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