



# Rheem® IKONIC® Commercial Tankless Water Heater

- Various common venting options, including PVC and Polypropylene
- PVC Vent runs up to 70' (2"), 150' (3")
- Easy set up with full text digital display and no dip-switches
- Field gas convertible from natural gas to LP - conversion kit included
- Allows flex venting through existing B-vent up to 50'
- Manifold capable up to 32 units
- Ready-to-Install factory-built rack systems, available in wall-hung configurations (2 units or 3 units) or floor-mounted setups (up to 6 units). These rack systems come preprogrammed with electrical and manifolding features\*

**Key Features**

- Up to 98% thermal efficiency
- Stainless steel Primary and Secondary heat exchangers provide increased efficiency and durability

- **NEW!** Modular Rack System with easy build-on-site solution and pre-sized water/gas line manifold configurations. Available in back-to-back or in-line options for up to 8 units. See modular table for more details.
  - **Rheem® Exclusive!** Hot-start programming™ ensures the unit is in a ready state between back-to-back usage, avoiding any cold water bursts
- Plus...**
- Built-in Recirculation pump for no wait continuous hot water at the tap (CSR models)
  - Built-in Wi-Fi powered by EcoNet® technology for direct control from your device for direct control from your device
  - LeakGuard® - All-inclusive leak detection and prevention system that detects any internal leak that comes from the unit.
  - 8-year Heat Exchanger Warranty

**Specifications**

Rheem Model Number		RTGH-CS11i RTGH-CSR11i (Built-In Recirculation Pump)
Gas Input Rate	MAX	199,900 BTU/h
	MIN	11,000 BTU/h
Uniform Energy Factor (UEF)		0.96
Hot Water Flow Rate Capacity – Gallons Per Minute (GPM)	MAX (35°F)	11.2
	45°F Rise	8.8
	67°F Rise	5.9
Temp. Range		85°F - 185°F
Temp. Setting from Factory		120°F
Maximum Inlet Return Temperature		140°F**
Installation Type		Indoor (Outdoor Conversion Kit sold separately: RTGH-SX)
Fuel Type		Compatible with Natural Gas and LP (ships NG with LP conversion kit included)
Heat Exchanger Material		Primary: Stainless Steel – Secondary: Stainless Steel
Minimum Activation Flow		0.4 GPM
Minimum Continuous Flow		0.26 GPM
Maximum Altitude		10,200 ft.
Ultra Low NOx		Meets 14 ng/J NOx requirements – SCAQMD Rule 1146.2 compliant
Warranty		8 Year Heat Exchanger   5-Year Parts   1-Year Labor

Model Number	RTGH-CS	RTGH-CSR
Height	28-9/16"	
Width	17-5/16"	
Depth	13-11/16"	
Weight	77.6lbs	86lbs
Venting Diam. Allowed	2" / 3"	
Max. Single Vent Run (straight pipe)	70 ft (2")/ 150 ft (3")	
Venting Materials	Sched. 40 PVC, CPVC, Polypropylene	
Common Venting (max. units)	12 units	
Flex Venting	Allowed: 2" up to 50'	
Manifold Controls (max. units)	Up to 32 units without external control required <sup>3</sup>	
Controls	Built-in digital display with full-text menus and Wi-Fi	
Power Supply	120V 60Hz	
Max. Power Consumption	85W (Normal use), 0.7Amps	100W (Normal use), 0.83Amps
	132W (Anti freeze only), 1.1Amps	200W (Anti freeze), 1.67Amps
	3.5W (Standby), 0.03Amps <sup>4</sup>	3.5W (Standby), 0.03Amps <sup>4</sup>
Gas Connection	3/4" NPT	
Hot Water Connection	3/4" NPT	
Dedicated Recirc. Return (CSR Models)	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)	



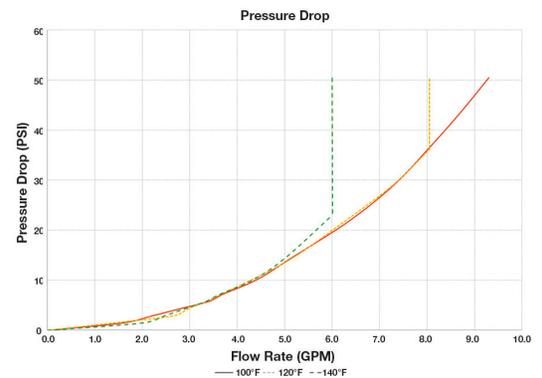
**RTGH-CS/SR Models**

Indoor Models  
(Outdoor Conversion Kit Available, for Outdoor Installs, Order **RTGH-SX** with Unit)  
11,000-199,900 BTU/h  
Natural Gas/LP Convertible



CLEARANCES	
Top / Bottom	12"
Front	1/2" <sup>5</sup>
Sides	1/2"
Back / From Vent Pipe	0"

RECIRCULATION LENGTH (CSR MODELS)	
Pipe Diameter	Max. Recirculation Loop
3/4"	400 ft.
1/2"	100 ft.



\*INCLUDED ON RACK SPEC Sheet. See Commercial Tankless Systems spec sheet for more information.

\*\*When in recirculation, max temperature is 140°F. Set point remains above 140°F for standard demand.

Approved for installations in Manufactured Home (Mobile Home) environments

<sup>1</sup> Based on simultaneous showers using 2 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 capacity table by zone for accurate sizing. <sup>2</sup> For indoor application, this is the temperature of outdoor intake air.

<sup>3</sup> Manifolds with standard RJ25 communication cables. <sup>4</sup> If anti freeze is on and combustion is on, total W will be 217W (85+132) for CS models and 300W (100+200) for CSR models. <sup>5</sup> Recommended 24" clearance for service.

