

# Ruud Ultra<sup>™</sup> RUTGH is a series of high efficiency condensing tankless gas water heaters designed for continuous hot water

## Efficiency

- 94% energy efficient with stainless steel condensing heat exchanger
- Intelligent electronic controls designed to increase energy efficiency and safety
- Third party efficiency listed by AHRI

#### Performance

- Industry First! 0.26 GPM minimum flow rate, 0.40 GPM minimum activation flow rate
- RUTGH-95 for 3 bathroom homes\*– 9.5 gal./min. at 35°F rise max., 8.4 gal./min. at 45°F rise SCAQMD rule 1146.2 compliant
- RUTGH-84 for 2-3 bathroom homes\*– 8.4 gal./min. at 35°F rise max., 6.6 gal./min. at 45°F rise

## **Compact Size**

• Compact space saving design – about the size of a medicine cabinet

## Self-Diagnostic System

- Self-diagnostic system for easy installation and service.
- Digital display shows temperature setting and maintenance codes

## Technology

- Two-pipe direct vent system designed for PVC pipe, see instructions for details
- Built-in electric blower
- Exclusive! Guardian overheat film wrap (OFW)
- EZ-Link cable available for higher demand applications to connect two tankless units to operate as one
- Manifold up to six units with an optional MIC-6 manifold control board
- Manifold up to 20 units with the optional MIC-185 plus the MICS-180 manifold control assembly

## High Altitude Compliant

• High-altitude capability – up to 9,840 ft. elevation above sea level

## Plus...

- Up to 38 ft. of 3" PVC Pipe or 5 ft. of 2" PVC Pipe , see instructions for details
- Digital remote control and 10 ft. of thermostat wire included
- Supplied with a 120 volt power cord (indoor models only)
- Freeze protection to -30°F
- EZ- Spec<sup>™</sup> Sizing Software advanced online tool that takes the guess work out of sizing tankless applications – available at www.rheem.com/tankless

## Warranty

• 12-Year on heat exchanger, 5-year on parts and 1-year on labor See Residential Warranty Certificate for complete information

## **Commercial Applications**

The RUTGH Condensing Tankless Series can be upgraded for highvolume commercial use.

• Temperature range is 85°F to 185°F

## **RUTGH-95 Upgrade Kits**

RTG20224A for RUTGH-95DVN RTG20224B for RUTGH-95DVP RTG20224C for RUTGH-95XN RTG20224D for RUTGH-95XP

## **RUTGH-84 Upgrade Kits**

RTG20225A for RUTGH-84DVN RTG20225B for RUTGH-84DVP RTG20225C for RUTGH-84XN RTG20225D for RUTGH-84XP

Note: These upgrade kits are not compatible with previous models. See the 2012 Tankless Parts Catalog for a complete listing.

\* Based on simultaneous showers using 2.5 gallons per minute. Flow rates vary depending on temperature of cold water supply.



**RUTGH-DV** Indoor Direct Vent Model 11,000-199,900 Btu/h Natural and LP Gas



RUTGH-X Outdoor Model 11,000-199,900 Btu/h Natural and LP Gas



# Ruud Residential Gas Ultra<sup>™</sup> High Efficiency Condensing Tankless Water Heaters



## Ruud Ultra<sup>™</sup> RUTGH-95 Specifications for 3 Bathroom Homes

DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)						ENERGY INFO.			
MODEL NUMBER	GAS INPUT BTU/H	TYPE	TEMP. RANGE	MIN. FLOW/ ACTIVATION GPM	GPM @ 77° RISE MAX.	GPM @ 45° RISE MAX.	MAX. GPM	CONNEC	TION GAS	HEIGHT	WIDTH	DEPTH	VENT DIAM.	SHIP. WEIGHT (LBS.)	ENERGY FACTOR	% OF THERM. EFFICIENCY	D.O.E. ANN. OP. COST NAT/LP
RUTGH-95DVN <sup>†</sup>	11,000- 199,900	Indoor Direct Vent	85° to 140° F	0.26/0.40	4.9	8.4	9.5	3/4	3/4	27-1/2	18-1/2	9-3/4	3" PVC 2-Pipe	82	.94	94%	\$194/326
RUTGH-95XN <sup>†</sup>	11,000- 199,900	Outdoor	85° to 140° F	0.26/0.40	4.9	8.4	9.5	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.94	94%	\$194/326

## Ruud Ultra<sup>™</sup> RUTGH-84 Specifications for 2-3 Bathroom Homes

DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)						ENERGY INFO.			
MODEL	GAS INPUT		TEMP.	MIN. FLOW/ ACTIVATION	GPM @ 77° RISE	GPM @ 45° RISE	MAX.	CONNEC	TION				VENT	Ship. Weight	ENERGY	% OF THERM.	D.O.E. ANN. OP. COST
NUMBER	BTU/H	TYPE	RANGE	GPM	MAX.	MAX.	GPM	WATER	GAS	HEIGHT	WIDTH	DEPTH	DIAM.	(LBS.)	FACTOR	EFFICIENCY	NAT/LP
RUTGH-84DVN	11,000- 157,000	Indoor Direct Vent	85° to 140° F	0.26/0.40	3.9	6.6	8.4	3/4	3/4	27-1/2	18-1/2	9-3/4	3" PVC 2-Pipe	82	.94	94%	\$194/326
RUTGH-84XN	11,000- 157,000	Outdoor	85° to 140° F	0.26/0.40	3.9	6.6	8.4	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.92	94%	\$194/326

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. D.O.E.

national average fuel rate natural gas \$1.218/therm; LP \$1.87/gallon.

All models are available in Natural Gas and Propane (LP). For Propane replace the N with P when ordering.

<sup>†</sup> SCQAMD 1146.2 compliant.

• Factory set maximum temperature is 120° F. See Use and Care Manual for setting.

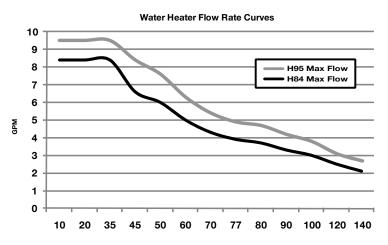
• Consult factory for information on sizing the application.

Vent Termination Kits are required for Direct Vent models. Contact your distributor for details.

Proper gas pressure must be ensured to supply tankless gas water heaters up to 199,900 Btu/h for RUTGH-95 models, up to 157,000 Btu/h for RUTGH-84 models. (Consult your gas supplier)

	Temperature Rise (° F)										
Model Number	35°	45°	50°	60°	70°	77°	80°	90°	100°		
RUTGH-95 Water Flow (GPM)	9.5	8.4	7.6	6.3	5.4	4.9	4.7	4.2	3.8		
RUTGH-84 Water Flow (GPM)	8.4	6.6	6.0	5.0	4.3	3.9	3.7	3.3	3.0		

Above estimates are for sizing purposes only.



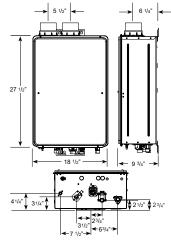
## **Parts and Accessories**

Venting & terminations – 2" or 3" PVC, recess boxes, pipe covers, extra remote controls, EZ-Link, manifolds and cables, service valve kits, service parts, flush kits

For more information on Tankless parts and accessories, see the Parts and Accessories catalog or call 866-720-2076.

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

# Indoor Direct Vent



Outdoor

