

UNIVERSAL™ LOW NO<sub>x</sub> WATER HEATERS FROM RHEEM-RUUD

# Low NO<sub>x</sub> Compliant

*and built for the long run!*



The Rheem-Ruud Universal Low NO<sub>x</sub> series of heavy-duty commercial gas water heaters has been designed to comply with our country's air quality legislation.

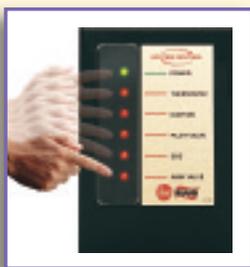
They incorporate Rheem-Ruud's technologically advanced burner tubes in a highly efficient power chamber – stays code compliant for the life of the water heater!



**Commercial** water heaters  
from Rheem-Ruud



# The Universal Low NO<sub>x</sub> Series *from Rheem-Ruud*



## Reduces Nitrous Oxide Emissions

Universal Low NO<sub>x</sub> gas commercial water heaters are specifically designed to minimize the difficulty of replacing failed water heaters and are versatile for new installations.

These products are designed for applications requiring large quantities of hot water.

- **Universal tank design** – Maximizes installation adaptability by offering models with top, front side and rear side inlet/outlet water connections.
- **Universal space saver design** – Short heights and small jacket diameters result in greater installation flexibility.
- **Patented multi-flue tank design** – Proprietary steel formulation, patented multi-flue design, and two coats of high temperature porcelain enamel to maximize corrosion resistance result in a superior heat exchanger design.
- **Low profile automatic flue damper** – Low profile design minimizes overall product height. New heavy duty vent hood supports are designed to withstand rigors of installation.
- **Spark-to-pilot ignition system** – Standard on all models. Provides reliable and energy saving ignition sequencing by igniting the pilot only when the thermostat calls for heat.
- **System Sentinel™ LED diagnostic system** – Our exclusive diagnostic system, with glowing LED lights, verifies system operation sequence by sequence.
- **Full port, full flow brass drain valve**
- **Low NO<sub>x</sub> burner** – The power assist enclosed burner design incorporates stainless steel multi-port burner tubes for long term Low NO<sub>x</sub> compliant performance. A sight glass allows for burner observation and the entire assembly is easily removable. A blower guard is provided against post-installation damage. The entire design is highly resistant to the effects of negative air pressures common to modern commercial buildings.
- **Temperature and pressure relief valve** – AGA/ASME rated and factory installed.
- **Hand-hole cleanout** – For removal of lime/sediment deposits.
- **Manual reset high limit** – All ASME models are factory equipped with a manual reset high limit to meet the code requirements of many states.
- **Gas control system** – Fully adjustable thermostat from 100°F to 180°F, 24 volt combination gas valve includes main gas pressure regulation, On-Off manual valve, 120/24 volt transformer, and high limit temperature cut-out.
- **Complies with SCAQMD Rule 1146.2 and Texas TNRCC for Low NO<sub>x</sub> emissions.**

# Rheem-Ruud Universal Low NOx Series

## RECOVERY CAPACITIES (80% thermal efficiency)

MODEL NUMBER	INPUT BTU/HR.	GPH										
		40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
GN75-125	125,000	303	242	202	173	152	135	121	110	101	93	87
GN82-156	156,000	378	303	252	216	189	168	151	138	126	116	108
GN37-200	199,900	485	388	323	277	242	215	194	176	162	149	138
GN76-200	199,900	485	388	323	277	242	215	194	176	162	149	138
GN91-200	199,900	485	388	323	277	242	215	194	176	162	149	138
GN100-200(A)	199,900	485	388	323	277	242	215	194	176	162	149	138
GN72-250(A)	250,000	606	485	404	346	303	269	242	220	202	186	173
GN100-250(A)	250,000	606	485	404	346	303	269	242	220	202	186	173
GN100-270(A)	270,000	655	524	436	374	327	291	262	238	218	201	187
GN65-360(A)	360,000	873	698	582	499	436	388	349	317	291	269	249
GN100-400(A)	399,900	969	776	646	554	485	431	388	353	323	298	277

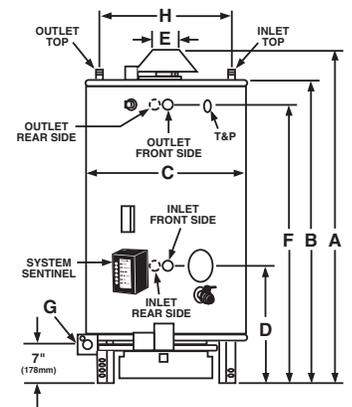
Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory. Recovery rate shown on the rating plate (75%) Thermal Efficiency in accordance with ANSI Z21.10.3 labeling requirements. (A) indicates available ASME model.

## CLEARANCE TO COMBUSTIBLES (inches)

MODEL NUMBER	SIDE	REAR	TOP
GN75-125	2	2	12
GN82-156	2	2	12
GN37-200	2	2	12
GN76-200	2	2	12
GN91-200	2	2	12
GN100-200(A)	2	4	12
GN72-250(A)	6	6	12
G100-250(A)	2	4	12
GN100-270(A)	2	4	12
GN65-360(A)	6	6	12
GN100-400(A)	6	6	12

## FIRST TIME DELIVERY (Includes useable storage and recovery for indicated times.)

MODEL NUMBER	TANK CAP. GALLONS	INPUT BTU/HR.	TEMP. RISE AT 100°F IN GALLONS									Min. to Rec. Contents
			5 Min.	10 Min.	15 Min.	20 Min.	30 Min.	45 Min.	60 Min.	120 Min.	180 Min.	
GN75-125	75	125,000	63	73	83	93	113	143	174	295	416	37
GN82-156	82	156,000	70	83	95	108	133	171	209	360	511	33
GN37-200	35	199,900	41	56	72	88	119	167	214	403	562	11
GN76-200	76	199,900	69	86	102	118	150	199	247	441	635	24
GN91-200	91	199,900	80	96	112	128	161	209	258	451	645	28
GN100-200(A)	100	199,900	86	102	118	135	167	215	264	458	652	31
GN72-250(A)	72	250,000	71	91	111	131	172	232	293	535	778	18
GN100-250(A)	100	250,000	90	110	131	151	191	252	312	555	797	25
GN100-270(A)	100	270,000	92	114	135	157	201	266	332	594	855	23
GN65-360(A)	65	360,000	75	104	133	162	220	307	395	744	1093	11
GN100-400(A)	100	399,900	102	135	167	199	264	361	458	846	1233	15



## DIMENSIONS (Inches)

MODEL NUMBER	A	B	C	D	E	F	G	H	WATER CONNECTIONS			APPROXIMATE SHIPPING WEIGHT	
									TOP IN/OUT	FRONT SIDE	REAR SIDE	STD.	ASME
									GN75-125	65-1/2	61	26-1/4	25
GN82-156	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	490 lbs.	N/A
GN37-200	49-1/4	43-3/8	26-1/4	25	6	37-5/8	3/4	20	1-1/2	1-1/2	1-1/2	405 lbs.	N/A
GN76-200	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	540 lbs.	N/A
GN91-200	76-5/16	71-13/16	26-1/4	30-5/8	6	66-3/8	3/4	20	1-1/2	1-1/2	1-1/2	600 lbs.	N/A
GN100-200(A)	73-1/16	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	780 lbs.	N/A
GN72-250(A)	71-1/16	64-1/2	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	590 lbs.	630 lbs.
GN100-250(A)	73-1/4	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795 lbs.	835 lbs.
GN100-270(A)	73-7/8	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	805 lbs.	845 lbs.
GN65-360(A)	70-11/16	64-1/2	26-1/4	25	8	58-5/8	3/4	N/A	N/A	1-1/2	1-1/2	640 lbs.	680 lbs.
GN100-400(A)	76	68-1/2	30-1/4	32-1/4	8	61-3/4	1	23	1-1/2	2	2	770 lbs.	810 lbs.

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# Rheem-Ruud Universal Low NOx Series

## LIMITED WARRANTY

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This product features a three-year limited warranty against tank leaks. Please refer to Commercial Warranty Information brochure for complete warranty information.

## CERTIFICATIONS AND RATINGS

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### EFFICIENCY

These models have been tested according to ANSI test procedures, and exceed the thermal efficiency and standby loss requirements of current ASHRAE Standards (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

### SAFETY AND CONSTRUCTION

These products are design certified by CSA:

- a) For operation up to 180°F.
- b) To meet all safety and construction requirements of ANSI Z21.10.3.
- c) As an automatic storage or instantaneous water heater.
- d) As an automatic circulating tank water heater.
- e) For operation on combustible floors and in alcove installations.

**CERTIFIED FOR A 150 PSI MAXIMUM WORKING PRESSURE  
(160 PSI FOR ASME MODELS).**

### OPTIONAL CONSTRUCTION

ASME construction is available on designated models.



(On Selected Models)

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

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Printed in U.S.A 05/07 WP RR102LN Rev. 3