RUUD® UNIVERSAL™
LOW NOx AND ULTRA LOW NOx

Compact Size Commercial Gas Water Heaters for Heavy Duty Applications

Ruud Universal Low NOx

Ruud Universal Ultra Low NOx

Ruud.com/CommercialWaterHeating

RUUD® UNIVERSAL™ LOW NOx AND ULTRA LOW NOx

COMMERCIAL GAS WATER HEATERS WITH SPACE SAVING DESIGN FOR HEAVY DUTY INSTALLATIONS

Universal
Ultra Low NOx

Universal Low NOx

SYSTEM SENTINEL™ LED DIAGNOSTIC SYSTEM Our exclusive diagnostic system, with glowing LED lights, verifies system

Universal Low NOx and Ultra Low NOx gas commercial water heaters are specifically designed to minimize the difficulty of replacing failed water heaters and are versatile for new installations.

These products comply with our country's air quality legislation.

SPACE SAVER DESIGN The short heights and narrow jacket diameters, plus the top, front and rear water inlets/outlets offer the ultimate in installation flexibility.

PATENTED MULTI-FLUE TANK DESIGN 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. Heavy duty vent hood supports are designed to withstand rigors of installation.

DIRECT SPARK-TO-PILOT IGNITION SYSTEM Standard on all models. Energy saving ignition that ignites pilot only when there is a call for heat.

FULL PORT, FULL FLOW BRASS DRAIN VALVE

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.

PATENTED ANODE RODS Anode design utilizes multiple magnesium rods to ensure corrosion resistance for a long tank life.

LOW NOX BURNER The power assist burner design incorporates stainless steel multi-port burner tubes for long term low NOx performance, less than 40 ng/J. A sight glass allows for burner observation. A blower guard provides protection against potential post-installation damage.

ULTRA LOW NOX BURNER The power assist burner design incorporates stainless steel multi-port burner tubes for long term ultra low NOx performance, less than 14 ng/J. A sight glass allows for burner observation. The entire design is removable and it is highly resistant to the effects of negative air pressure common in modern commercial buildings.

ULTRA LOW NOx BASE RAIL Provides for better handling when moving and positioning unit.

RECOVERY CAPACITIES (Up to 82% thermal efficiency)

MODEL NUMBER	INPUT BTU/H	THERM. EFF.	GPH										
			40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
GN(U)75-125	125,000	80%	303	242	202	173	152	135	121	110	101	93	87
GN(U)U82-156	156,000	80%	378	303	252	216	189	168	151	138	126	116	108
GN(U)37-200*	199,900	82%	485	388	323	277	242	215	194	176	162	149	138
GN(U)76-200	199,900	80%	485	388	323	277	242	215	194	176	162	149	138
GN(U)91-200	199,900	82%	485	388	323	277	242	215	194	176	162	149	138
GN(U)100-200(A)	199,900	82%	485	388	323	277	242	215	194	176	162	149	138
GN(U)72-250(A)	250,000	80%	606	485	404	346	303	269	242	220	202	186	173
GN(U)100-250(A)	250,000	82%	606	485	404	346	303	269	242	220	202	186	173
GN(U)100-270(A)	270,000	82%	655	524	436	374	327	291	262	238	218	201	187
GN(U)65-360(A)	360,000	80%	873	698	582	499	436	388	349	317	291	269	249
GN(U)100-400(A)	399,900	80%	969	776	646	554	485	431	388	353	323	298	277

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory.
(A) indicates available ASME model.

CLEARANCE TO COMBUSTIBLES (inches)

MODEL NUMBER	SIDE	REAR	TOP
GN(U)75-125	2	2	12
GN(U)82-156	2	2	12
GN(U)37-200	2	2	12
GN(U)76-200	2	2	12
GN(U)91-200	2	2	12
GN(U)100-200(A)	2	4	12
GN(U)72-250(A)	6	6	12
GN(U)100-250(A)	2	4	12
GN(U)100-270(A)	2	4	12
GN(U)65-360(A)	6	6	12
GN(U)100-400(A)	6	6	12

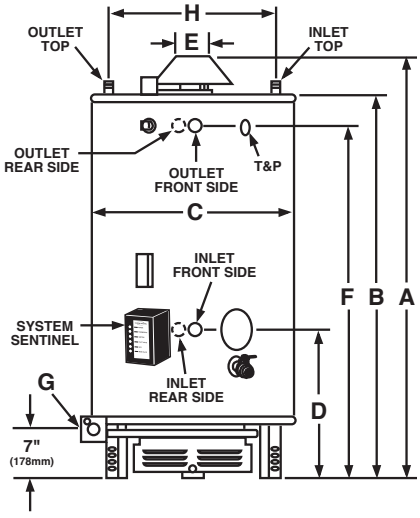
FIRST TIME DELIVERY (Includes useable storage and recovery for indicated times.)

MODEL NUMBER	TANK CAP. GALLONS	INPUT BTU/H	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.	
GN(U)75-125	75	125,000	63	73	83	93	113	143	174	295	416	37
GN(U)82-156	82	156,000	70	83	95	108	133	171	209	360	511	33
GN(U)37-200*	35	199,900	41	56	72	88	119	167	214	403	562	11
GN(U)76-200	76	199,900	69	86	102	118	150	199	247	441	635	24
GN(U)91-200	91	199,900	80	96	112	128	161	209	258	451	645	28
GN(U)100-200(A)	100	199,900	86	102	118	135	167	215	264	458	652	31
GN(U)72-250(A)	72	250,000	71	91	111	131	172	232	293	535	778	18
GN(U)100-250(A)	100	250,000	90	110	131	151	191	252	312	555	797	25
GN(U)100-270(A)	100	270,000	92	114	135	157	201	266	332	594	855	23
GN(U)65-360(A)	65	360,000	75	104	133	162	220	307	395	744	1093	11
GN(U)100-400(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
GN(U)75-125	65-1/2	61	26-1/4	25	5	56	3/4	20	1-1/2	1-1/2	1-1/2	480 lbs.	N/A
GN(U)82-156	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
GN(U)37-200*	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
GN(U)76-200	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
GN(U)91-200	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
GN(U)100-200(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.	835 lbs.
GN(U)72-250(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.
GN(U)100-250(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.
GN(U)100-270(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.
GN(U)65-360(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.
GN(U)100-400(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.

All Models Require a 120V / 1.5 Amp Power Source. (A) Suffix Indicates ASME Tank Construction Available.
***Automatic circulating tank water heater**



RUUD® UNIVERSAL™ LOW NOx AND ULTRA LOW NOx

Warranty

3-Year limited tank warranty, upgradeable to 5 years

Certification and Ratings

EFFICIENCY All models tested according to ANSI test procedures, and meet or exceed the thermal efficiency and standby loss requirements of ASHRAE standard (EPact). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

Altitude Certifications

Low NOx models are certified up to 2,000 feet; high altitude certification for models GN76-200 and GN91-200 is 5,000 feet; model GN-100-200(A) is 8,000 feet

Ultra low NOx models are certified up to 2,000 feet; high altitude certification for model GNU100-200(A) is 5,200 feet

Safety and Construction

These products are design certified by the CSA:
a) For operation at 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.
All models are North Carolina Code compliant.

Certified for a 150 PSI Maximum Working Pressure (160 PSI for ASME Models)

Optional Constructions

ASME construction is available on designated models.

Contact Us

Customer Service, Warranty, Parts
800.621.5622

Plumbing Support Team
866.339.2388

Technical Service
800.HEATER3 (800.432.8373)

Visit us online at
Ruud.com/CommercialWaterHeating

Ruud Water Heating
1115 Northmeadow Parkway, Suite 100
Roswell, Georgia 30076

PRINTED IN U.S.A. • 08/23 • WP • RU-RR102LN