Induced Draft Gas Commercial Water Heaters

Small Jacket Diameters

Short Floor-to-Vent Heights

Multiple Water Connection Options

(On Selected Models)

(With Optional Leg Kit)

gama

Available in 100 Gallon Tank-Type Models

▶ **250,000 BTU/Hr. thru 360,000 BTU/Hr.**

Induced Draft 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.

Construction Features:

- **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.
- **Factory installed draft inducer –** provides an induced draft allowing higher BTU's to be vented through a 6" vent.
- **6" Category 1 appliance –** allows for easy upgrade or retrofit of existing applications.
- **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**

Certifications and Ratings:

- **Efficiency –** these models have been tested according to ANSI test procedures, and meet or 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 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. UL Sanitation (NSF5) compliant models are available when equipped with optional leg kit. (Part No. AE35450)

Continued next page.

Induced Draft Gas continued.

RECOVERY CAPACITIES Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at Various Temperature Rises.

MODEL NUMBER	INPUT BTU/HR. NATURAL & L.P.	THERMAL EFFICIENCY	UNITS	40°F 22°C	50°F 28°C	60°F 33°C	70°F 39°C	80°F 45°C	90°F 50°C	100°F 56°C	110°F 61°C	120°F 67°C	130°F 72°C	140°F 78°C
GD100-250(A)	250,000	80%	GPH	606	485	404	346	303	269	242	220	202	186	173
			LPH	2294	1835	1529	1311	1147	1020	918	834	765	706	655
GD100-270(A)	270,000	80%	GPH	655	524	436	374	327	291	262	238	218	201	187
			LPH	2478	1982	1652	1416	1239	1101	991	901	826	762	708
GD100-310(A)	310,000	80%	GPH	752	601	501	429	376	334	301	273	251	231	215
			LPH	2845	2276	1896	1626	1422	1264	1138	1034	948	875	813
GD100-360(A)	360,000	80%	GPH	873	698	582	499	436	388	349	317	291	269	249
			LPH	3304	2643	2202	1888	1652	1468	1321	1201	1101	1016	944

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.

MAXIMUM DELIVERY In U.S. Gallons and Liters. (Includes useable storage and recovery for indicated times.)

MODEL NUMBER	TANK CAPACITY GALS.	TANK CAPACITY LITERS	INPUT BTU/HR. NAT. & L.P.	TEMP. RISE	UNITS	5 Min.	10 Min.	15 Min.	20 Min.	30 Min.	45 Min.	60 Min.	120 Min.	180 Min.	MIN. TO REC. CONTENTS
GD100-250(A)	100	379	250,000	100°F	GAL.	90	110	131	151	191	252	312	555	797	25
				37.7°C	LTR.	341	418	494	571	724	953	1183	2100	3018	
GD100-270(A)	100	379	270,000	100°F	GAL.	92	114	135	157	201	266	332	594	855	23
				37.7°C	LTR.	348	430	513	595	761	1008	1256	2247	3238	
GD100-310(A)	100	379	310,000	100°F	GAL.	95	120	145	170	220	295	371	671	972	20
				37.7°C	LTR.	360	455	549	644	834	1118	1403	2541	3679	
GD100-360(A)	100	246	360,000	100°F	GAL.	99	128	157	186	245	332	419	768	1117	17
				37.7°C	LTR.	375	485	596	706	927	1258	1588	2911	4234	

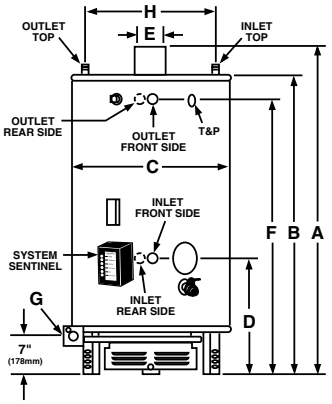
DIMENSIONAL INFORMATION All Dimensions Shown in English and Metric.

MODEL NUMBER	UNITS	A	B	C	D	E	F	G	H	WATER CONNECTIONS TOP IN/OUT	WATER CONNECTIONS FRONT SIDE	WATER CONNECTIONS REAR SIDE	APPROXIMATE SHIPPING WEIGHT STD.	APPROXIMATE SHIPPING WEIGHT ASME
GD100-250(A)	inches	73-1/2	66-3/4	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795 lbs.	835 lbs.
	mm	1867	1696	768	591	152	1460	19	584	38	51	51	360 kgs.	378 kgs.
GD100-270(A)	inches	73-1/2	66-3/4	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795 lbs.	835 lbs.
	mm	1867	1696	768	591	152	1460	19	584	38	51	51	360 kgs.	378 kgs.
GD100-310(A)	inches	73-1/2	66-3/4	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795 lbs.	835 lbs.
	mm	1867	1696	768	591	152	1460	19	584	38	51	51	360 kgs.	378 kgs.
GD100-360(A)	inches	73-1/2	66-3/4	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795 lbs.	835 lbs.
	mm	1867	1696	768	591	152	1460	19	584	38	51	51	360 kgs.	378 kgs.

All models require a 120V /3 amp power source. (A) suffix indicates ASME tank construction available.

Recommended Specifications (for trade reference only)

Water heater(s) shall be Induced Draft model _____, manufactured by RHEEM-RUUD, having gas input of _____ Btu/hr. and a recovery rate of _____ GPH at a 100°F temperature rise when tested and certified at _____ thermal efficiency. Water heater(s) shall have a storage capacity of _____ gallons. Water heater(s) shall have the CSA seal of certification and supplied with a factory installed AGA/ASME rated temperature and pressure relief valve. Tank(s) shall be furnished with a tube bundle having a double coating of high temperature porcelain enamel and furnished with magnesium anode rods rigidly supported. Water heater(s) shall meet or exceed the thermal efficiency and standby loss requirements of ASHRAE. Tanks shall have a working pressure rating of 150 psi, and shall be completely factory assembled, including a pressure regulator properly adjusted for operation on _____ gas with stainless steel burners. Controls will be arranged for safety shutoff in event of pilot failure. Water heater(s) with inputs less than 360,000 Btu/hr. shall have top, front and rear side inlet/outlet water connections. Water heater(s) shall be covered by a three year limited warranty against tank leaks.



CLEARANCES TO COMBUSTIBLES

MODEL NUMBER	UNITS	SIDE	REAR	TOP
GD100-250(A)	inches	1	1	12
	mm	25	25	305
GD100-270(A)	inches	1	1	12
	mm	25	25	305
GD100-310(A)	inches	1	1	12
	mm	25	25	305
GD100-360(A)	inches	1	1	12
	mm	25	25	305

Allow a minimum of 18" (457mm) front clearance for servicing.

- **Add for ASME construction –**
  Water heater(s) shall be constructed in accordance with the requirements of the ASME Boiler and Pressure Vessel Code, Section IV Part HLW.

Limited Warranty

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

COMMERCIAL WATER HEATERS

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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