



The new degree of comfort.™



Commercial Gas
Induced Draft Water Heaters

Universal™ Induced Draft commercial gas water heaters are designed for easy installation in applications requiring large quantities of hot water

Features & Benefits

The tighter the commercial retrofit, the more you will appreciate how the Universal's compact size and multiple water connections simplify installations. Choose from 80% thermal efficiency models that range from 250,000-360,000 Btu/h and have maximum temperature setting of 180 degrees Fahrenheit.

Space Saver Design

The short height and narrow jacket diameter, plus the top, front and rear water inlets/outlets offer the ultimate in installation flexibility.

System Sentinel™ LED Diagnostic System

Our exclusive diagnostic system, with glowing LED lights, verifies system operation sequence by sequence.



Patented Technology

Universal's proprietary steel formulation, patented multi-flue design, combined with two coats of porcelain enamel, results in a superior heat exchanger design.

Stainless Steel Burners

Precision burners, raised port design, are formed from high chromium stainless steel. Each burner assembly slides out like a drawer for quick inspection and maintenance.

Factory Installed Draft Inducer

Provides an induced draft allowing higher Btu's to be vented through a 6" vent.

Full-port, Full-flow Drain Valve

Factory installed brass drain valve allows for faster draining and servicing.

Direct Spark-to-Pilot Ignition System

Energy saving ignition that ignites pilot only when there is a call for heat.

Altitude Certifications

Up to 5,200 feet for natural gas and 2,000 feet for LP.

Patented Anode Rods

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

Warranty

3-Year limited tank warranty

See Commercial Warranty Certificate for complete information.

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).

Safety and Construction | Design certified by CSA: For operation at 180 degrees; meets all safety and construction requirement of ANSI Z21.10.3; as an automatic storage or instantaneous water heater; as an automatic circulating tank water heater; and for operation on combustible floors and in alcove installations. **Certified for 150 PSI maximum working pressure (160 PSI for ASME models).**

Optional Construction | ASME construction is available on designated models. UL Sanitation (NSF5) compliant models are available when equipped with optional seal kit (Part No. AM35450).



Rheem Induced Draft
100-Gallon Capacity
250,000-360,000 Btu/h
Natural and LP Gas



(On Selected Models)



(With
Optional
Leg Kit)



INTEGRATED AIR & WATER



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Commercial Gas
Induced Draft Water Heaters

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

MODEL NUMBER	INPUT BTU/H 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		INPUT BTU/H 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	

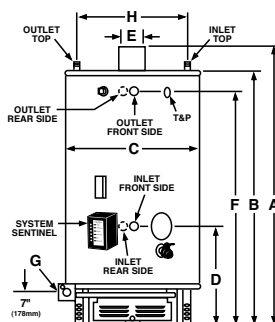
DIMENSIONAL INFORMATION All Dimensions Shown in English and Metric.

MODEL NUMBER	UNITS	A	B	C	D	E	F	G	H	WATER CONNECTIONS			APPROXIMATE SHIPPING WEIGHT	
										TOP IN/OUT	FRONT SIDE	REAR SIDE	STD.	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, having gas input of _____ Btu/h 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 CSA/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/h 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.

When ordering ASME construction, place (A) after the model number (for trade reference only)

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

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

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