



Commercial

PRE-RELEASE SUBMITTAL FORM [60%]

All information contained in this document is preliminary and subject to change

Universal HE: Next Generation High-Efficiency Gas Tank Water Heater

Date: _____ Model: _____ Prepared By: _____

Job: _____ Engineer: _____ Notes: _____

Location: _____ Contractor: _____

PERFORMANCE & COMPLIANCE

DOE-Compliant Efficiency Meets DOE requirements with thermal efficiency greater than 95%.

Ultra Low NOx Meets 14ng/J Nox emission requirements.

ASME-Certified Models All models 200K BTU/h and above are available with ASME-certified construction for code compliance and durability.

New Generation of Coil Heat Exchanger Engineered to transfer heat to the water with incredible effectiveness, while also prioritizing longevity by preventing build-up of corrosive condensate which can cause pre-mature failure in other water heaters.

Precision Modulation Control Delivers accurate temperature regulation through advanced modulation capability.

High Elevation Ready Designed for reliable performance at elevations up to 10,100 ft above sea level.

Support External Alarms Meets local codes with ability to wire in external alarm devices, such as CO Monitors.

American Manufacturing 80 and 100 gallon models comply with Buy American act (BAA) and Build America Buy America Act (BABA) Requirements.

The data contained in this document is for information purposes only and reflects the results of internal testing conducted by Rheem Manufacturing Company. Please note that these results are preliminary and subject to change pending final certification from Underwriters Laboratories (UL). This document is not a guarantee of performance or compliance with an regulatory standards. Rheem reserves the right to modify the content of this document without prior notice as necessary to reflect updated test results, regulatory requirements, or other factors that may impact the final product specifications. Some product data may not be present on this document which will be added on future revisions.



EASY TO INSTALL & OPERATE - A "UNIVERSAL" SOLUTION

Intuitive Push-Button Display Provides easy and precise control of the water heater combined with clear visibility of it's operation status. Allows for simple Bluetooth pairing to the Rheem App. (APP NOT YET AVAILABLE)

Easy Retrofit with Multiple Water Connection Locations Designed for seamless swap-outs of old water heaters, each unit offers water connection points on top and on the sides—ensuring maximum flexibility during installation.

Industry-Leading Footprint A compact, minimal footprint enables the Universal HE to fit into just about any existing tank installation— minimizing retrofit complexity.

Industry-Leading Vent Length Supports vent lengths over 200 ft—best in class for maximum installation versatility.

Versatile Venting Options Approved with multiple venting materials, terminations, and common venting — Making almost any scenario possible.

Built-In Condensate Neutralizer Simplifies installation by eliminating the need for a separate neutralizing device.



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SIMPLIFIED SERVICE

Rheem Contractor App Connect directly via Bluetooth using the Rheem Contractor App—no Wi-Fi required. Access real-time system data and diagnostics straight from the water heater.

External Harness Access Harnesses are positioned outside the jacket for quick and easy service access.

Warranty 3 year Limited Tank Warranty.

Routine Service Made Easy Easy-to-access parts combined with available routine-service kits makes maximizing the life of the water heater a breeze.

RECOVERY CAPACITIES (Recovery in U.S. Gallons/hr (GPH) and Liters/hr (LPH) at various temperature rises)																		
MODEL NUMBER	STORAGE CAPACITY		INPUT		THERMAL EFF.	STANDBY LOSS (BTU/H)	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)
	GAL.	LITERS	BTU/HR	KW				GPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
☐ GU75-76 (LP)	75	284	76,000	22.3	95%		GPH	219	175	146	125	109	97	88	80	73	67	63
							LPH	828	663	552	473	414	368	331	301	276	255	237
☐ GU75-125 (LP)	75	284	125,000	36.6	95%		GPH	360	288	240	206	180	160	144	131	120	111	103
							LPH	1362	1090	908	778	681	605	545	495	454	419	389
☐ GU75-150 (LP)	75	284	150,000	44.0	95%		GPH	432	346	288	247	216	192	173	157	144	133	123
							LPH	1635	1308	1090	934	817	727	654	594	545	503	467
☐ GU80-180 (LP)	80	303	180,000	52.7	95%		GPH	518	415	346	296	259	230	207	188	173	159	148
							LPH	1962	1569	1308	1121	981	872	785	713	654	604	560
☐ GU80-200(A) (LP)	80	303	200,000	58.6	95%		GPH	576	461	384	329	288	256	230	209	192	177	165
							LPH	2180	1744	1453	1245	1090	969	872	793	727	671	623
☐ GU80-250(A) (LP)	80	303	250,000	73.3	95%		GPH	720	576	480	411	360	320	288	262	240	221	206
							LPH	2724	2180	1816	1557	1362	1211	1090	991	908	838	778
☐ GU80-300(A) (LP)	80	303	300,000	87.9	95%		GPH	864	691	576	494	432	384	346	314	288	266	247
							LPH	3269	2615	2180	1868	1635	1453	1308	1189	1090	1006	934
☐ GU80-350(A) (LP)	80	303	350,000	102.6	95%		GPH	1008	806	672	576	504	448	403	366	336	310	288
							LPH	3814	3051	2543	2180	1907	1695	1526	1387	1271	1174	1090
☐ GU100-200(A) (LP)	100	379	200,000	58.6	95%		GPH	576	461	384	329	288	256	230	209	192	177	165
							LPH	2180	1744	1453	1245	1090	969	872	793	727	671	623
☐ GU100-250(A) (LP)	100	379	250,000	73.3	95%		GPH	720	576	480	411	360	320	288	262	240	221	206
							LPH	2724	2180	1816	1557	1362	1211	1090	991	908	838	778
☐ GU100-270(A) (LP)	100	379	270,000	79.1	95%		GPH	777	622	518	444	389	346	311	283	259	239	222
							LPH	2942	2354	1962	1681	1471	1308	1177	1070	981	905	841
☐ GU100-300(A) (LP)	100	379	300,000	87.9	95%		GPH	864	691	576	494	432	384	346	314	288	266	247
							LPH	3269	2615	2180	1868	1635	1453	1308	1189	1090	1006	934
☐ GU100-400(A) (LP)	100	379	400,000	117.2	95%		GPH	1152	921	768	658	576	512	461	419	384	354	329
							LPH	4359	3487	2906	2491	2180	1937	1744	1585	1453	1341	1245

* Models with "A" in suffix indicate ASME grade.

**All models available in Natural Gas or Liquid Propane (LP) fuel types. Models with "LP" in suffix indicate Liquid Propane fuel type.



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MAXIMUM DELIVERY (In U.S. Gallons and Liters at various temperature rises)																
MODEL NUMBER	STORAGE CAPACITY		INPUT		TEMP. RISE	UNITS	5 MIN.	10 MIN.	15 MIN.	20 MIN.	30 MIN.	45 MIN.	60 MIN.	120 MIN.	180 MIN.	MIN TO RECOVER CONTENTS
	GAL.	LITERS	BTU/HR	kW												
<input type="checkbox"/> GU75-76 (LP)	75	284	76000	22.3	100°F	GAL.	60	67	74	82	96	118	140	228	315	
					56°C	LITERS	226	254	282	309	364	447	530	861	1193	
<input type="checkbox"/> GU75-125 (LP)	75	284	125000	36.6	100°F	GAL.	65	77	89	101	125	161	196	340	484	
					56°C	LITERS	244	290	335	380	471	607	744	1289	1833	
<input type="checkbox"/> GU75-150 (LP)	75	284	150000	44.0	100°F	GAL.	67	81	96	110	139	182	225	398	571	
					56°C	LITERS	253	308	362	417	526	689	853	1506	2160	
<input type="checkbox"/> GU80-180 (LP)	80	303	180000	52.7	100°F	GAL.	73	91	108	125	160	212	263	471	678	
					56°C	LITERS	277	343	408	474	604	800	997	1781	2566	
<input type="checkbox"/> GU80-200(A) (LP)	80	303	200000	58.6	100°F	GAL.	75	94	114	133	171	229	286	517	747	
					56°C	LITERS	285	357	430	503	648	866	1084	1956	2827	
<input type="checkbox"/> GU80-250(A) (LP)	80	303	250000	73.3	100°F	GAL.	80	104	128	152	200	272	344	632	920	
					56°C	LITERS	303	394	484	575	757	1029	1302	2392	3481	
<input type="checkbox"/> GU80-300(A) (LP)	80	303	300000	87.9	100°F	GAL.	85	114	142	171	229	315	402	747	1092	
					56°C	LITERS	321	430	539	648	866	1193	1520	2827	4135	
<input type="checkbox"/> GU80-350(A) (LP)	80	303	350000	102.6	100°F	GAL.	85	114	142	171	229	315	402	747	1092	
					56°C	LITERS	321	430	539	648	866	1193	1520	2827	4135	
<input type="checkbox"/> GU100-200(A) (LP)	100	379	200000	58.6	100°F	GAL.	89	108	128	147	185	243	300	531	761	
					56°C	LITERS	338	410	483	556	701	919	1137	2009	2880	
<input type="checkbox"/> GU100-250(A) (LP)	100	379	250000	73.3	100°F	GAL.	89	108	128	147	185	243	300	531	761	
					56°C	LITERS	338	410	483	556	701	919	1137	2009	2880	
<input type="checkbox"/> GU100-270(A) (LP)	100	379	270000	79.1	100°F	GAL.	96	122	148	174	226	303	381	692	1003	
					56°C	LITERS	363	461	559	657	853	1148	1442	2619	3796	
<input type="checkbox"/> GU100-300(A) (LP)	100	379	300000	87.9	100°F	GAL.	99	128	156	185	243	329	416	761	1106	
					56°C	LITERS	374	483	592	701	919	1246	1573	2880	4188	
<input type="checkbox"/> GU100-400(A) (LP)	100	379	400000	117.2	100°F	GAL.	108	147	185	224	300	416	531	991	1452	
					56°C	LITERS	410	556	701	846	1137	1573	2009	3752	5496	



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Approved Vent Materials

Polypropylene, InnoFlue® Flex Vent, PVC, CPVC, AL29-4C stainless steel vent

(For Canadian installations, ULC S636 Polypropylene, ULC S636 PVC/CPC or AL29-4C Stainless steel vent is required)

POWER DIRECT VENT		MAXIMUM VENT LENGTH (EQUIVALENT FEET)							
		PIPE DIAMETER							
		2" (5 cm)		3" (8 cm)		4" (10 cm)		6" (15 cm)	
MODEL NUMBER	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
<input type="checkbox"/> GU75-76 (LP)	50	50	140	140	140	140	---	---	
<input type="checkbox"/> GU75-125 (LP)	50	50	140	140	140	140	---	---	
<input type="checkbox"/> GU75-150 (LP)	50	50	140	140	140	140	---	---	
<input type="checkbox"/> GU80-180 (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU80-200(A) (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU80-250(A) (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU80-300(A) (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU80-350(A) (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU100-200(A) (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU100-250(A) (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU100-270(A) (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU100-300(A) (LP)	---	---	75	85	150	150	150	150	
<input type="checkbox"/> GU100-400(A) (LP)	---	---	50	65	70	85	120	135	

POWER VENT		MAXIMUM VENT LENGTH (EQUIVALENT FEET)							
		PIPE DIAMETER							
		2" (5 cm)		3" (8 cm)		4" (10 cm)		6" (15 cm)	
MODEL NUMBER	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
<input type="checkbox"/> GU75-76 (LP)	10*	50	10*	140	10*	140	---	---	
<input type="checkbox"/> GU75-125 (LP)	10*	50	10*	140	10*	140	---	---	
<input type="checkbox"/> GU75-150 (LP)	10*	50	10*	140	10*	140	---	---	
<input type="checkbox"/> GU80-180 (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU80-200(A) (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU80-250(A) (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU80-300(A) (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU80-350(A) (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU100-200(A) (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU100-250(A) (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU100-270(A) (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU100-300(A) (LP)	---	---	---	150	---	200	---	200	
<input type="checkbox"/> GU100-400(A) (LP)	---	---	---	65	---	150	---	150	

*Minimum intake air venting is 10 feet for this model.

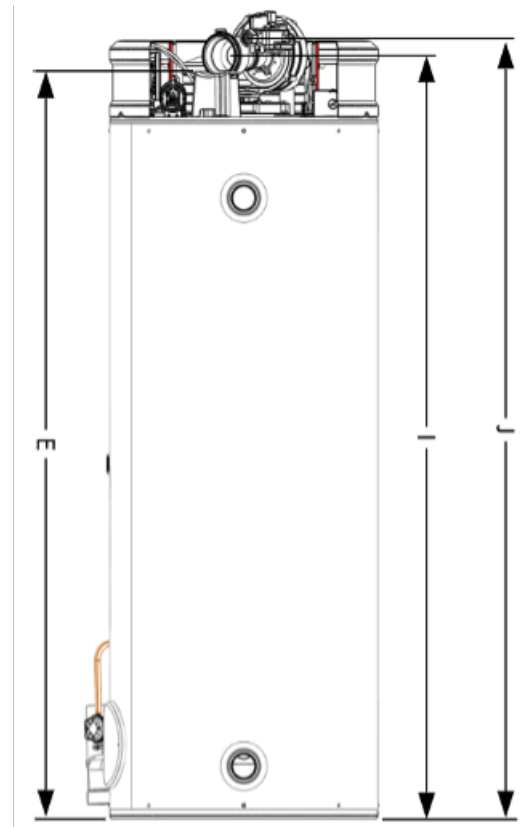
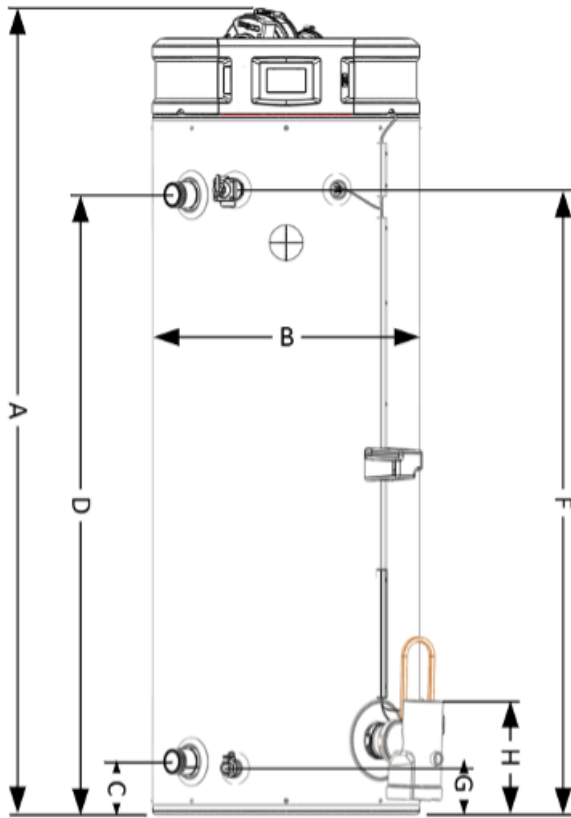
NOTES: See Installation and Operation Manual for venting details.
Vent pipe size should not be mixed for venting these water heaters.
Use same vent diameter pipe for all venting of the water heater.



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DIMENSIONAL INFORMATION																	
MODEL NUMBER	UNITS	A	B	C	D	E	F	G	H	I	J	VENT CONNECTION SIZE	SIDE WATER CONNECTION		TOP OUTLET	GAS CONNECTION SIZE	APPROX. SHIP WEIGHT (LBS)*
													INLET	OUTLET			
GU75-	Inches	62 5/8	26 1/4	12	46 3/4	55 1/8	46 3/4	3 1/4	9	62 5/8	60 1/8	2"	3/4" NPT	3/4" NPT	3/4" NPT	1/2" NPT	332
	mm	1591	667	305	1187	1400	1187	83	229	1591	1527						
GU80-	Inches	65	26 1/4	4 7/8	47 7/8	59 3/4	48 3/8	4 1/4	10 5/8	61 1/8	62 7/8	3"	2" NPT	2" NPT	1" NPT	3/4" NPT	
	mm	1651	667	124	1216	1518	1229	108	270	1553	1597						
*GU100-(200-300)	Inches	75 1/4	26 1/4	4 7/8	58	69 7/8	58 1/2	4 1/4	10 5/8	71 3/8	73	3"	2" NPT	2" NPT	1" NPT	3/4" NPT	
	mm	1911	667	124	1473	1775	1486	108	270	1813	1854						
GU100-400(A)	Inches	76 1/2	26 1/4	12 7/8	66	N/A	66 1/2	12 3/8	10 5/8	72 5/8	74 1/4	3"	2" NPT	2" NPT	-	3/4" NPT	775
	mm	1943	667	327	1676	N/A	1689	314	270	1845	1886						

*Weights listed are non-ASME models. Added weight for ASME models will be in future document revisions.





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CLEARANCES			
MIN CLEARANCE TO COMBUSTIBLE SURACES	GU75	GU80 GU100 (-100 to 300)	GU100-400
LEFT SIDE	0		0
RIGHT SIDE	0		0
FRONT	5"		0
REAR	0		0
TOP	15"		6"
MIN SERVICE CLEARANCE	GU75	GU80 GU100 (-100 to 300)	GU100-400
LEFT SIDE			0
RIGHT SIDE			0
FRONT			24"
REAR			0
TOP			24"

Commercial Gas Tank Model Number Guide							
G	U	100		-400	A	LP	
Product Category	Efficiency & NOx	Tank Size	Leak Tech Tier Package	Input Rate	ASME Certification	Fuel Type	High Altitude Special
G - Gas	U - Universal - High Efficiency HE - High Efficiency (Triton) N - Low NOx NU - Ultra Low Nox PV - Power Vent PDV - Power Direct Vent X - Xtreme, High BTU input	50 - 50 gallons 75 - 75 gallons 80 - 80 gallons 90 - 90 gallons 100 - 100 gallons 119 - 119 gallons Typical sizes shown. Tank sizes reflect nominal capacities. Exact size & rating may vary based on model	SU - Smart Universal (LeakSense) SS - Smart Shutoff (LeakGuard) Blank - N/A	76 - 76,000 BTU/h 100 - 100,000 BTU/h 130 - 130,000 BTU/h 160 - 160,000 BTU/h 200 - 199,900 BTU/h 250 - 250,000 BTU/h 270 - 270,000 BTU/h 300 - 300,000 BTU/h 310 - 310,000 BTU/h 360 - 360,000 BTU/h 400 - 399,900 BTU/h 500 - 499,900 BTU/h Typical Input rates shown. Actual input rate may vary based on model	Blank - Non-ASME A - ASME	Blank - Natural Gas LP - Liquid Propane	Blank - N/A HA - High Altitude