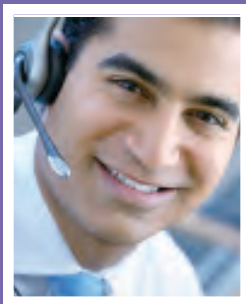


POCKET GUIDE

Rheem-Ruud Commercial water heaters



- Tanktype Gas & Electric
- Hot Water Supply Heaters
- Indirect
- Storage Tanks



- Technical Service800-HEATER3
- U.S. Customer Service800-621-5622
- U.S. Fax800-535-9538
- Canada Customer Service800-268-6966
- Canada Fax.....800-200-5393
- Websiterheem.com

Race over to
Rheem.com



Gotta Have a Rheem

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

Rheem Water Heating and Heating & Cooling Products
101 Bell Road • Montgomery, AL 36117-4305
www.rheem.com

Rheem manufactures residential and commercial heating & cooling and water heating products.

Rheem Canada Ltd./Ltée
125 Edgeware Road, Unit 1 • Brampton, Ontario, L6Y 0P5

Not all models are available in Canada. Printed in U.S.A. 03/10 WP Form No. RR105-2 Rev. 27



Commercial water heaters from Rheem-Ruud

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SPIDERfire® Sealed Combustion Gas-Fired 130,000 – 350,000 BTU/HR.



(On Selected Models)

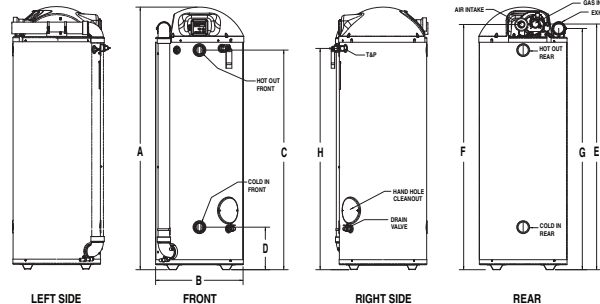
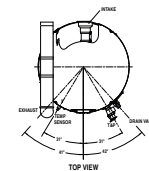


(With Optional Kit)



SPIDERfire Features:

- Maximum thermal efficiency of 95% dramatically reduces operating costs
- No chimney required; power or direct vent using plastic pipe
- Low NO_x emissions. Meets SCAQMD Rule 1146.2
- Corrosion resistant, high efficiency 3-pass heat exchanger
- Self-diagnostic LCD electronic control
- Direct spark ignition
- 185° F maximum temperature setting
- Zero clearance to all combustibles surfaces
- Full flow drain valve
- Front and back water connections
- Factory installed AGA/ASME rated T&P relief valve



RECOVERY CAPACITIES							DIMENSIONAL INFORMATION All dimensions shown in inches													
MODEL NUMBER	INPUT (BTU/HR) NAT. & LP	THERMAL EFFICIENCY	UNITS	TEMP. RISE – GPH			A	B	C	D	E	F	G	H	VENT	WATER CONNECTS		APPROX. SHIP. WT. (LB)*		
				40°F	100°F	140°F										INLET	OUTLET			
GHE100-130(A)	130,000	95%	GPH	374	150	107	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72-7/16	66-7/16	2, 3, 4	2" NPT	2" NPT	785		
GHE100-160(A)	160,000	95%	GPH	461	184	132	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72-7/16	66-7/16	2, 3, 4	2" NPT	2" NPT	785		
GHE100-200(A)	199,000	95%	GPH	573	229	164	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72-7/16	66-7/16	2, 3, 4	2" NPT	2" NPT	785		
GHE100-250(A)	250,000	93%	GPH	705	282	201	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72-7/16	66-7/16	3, 4	2" NPT	2" NPT	825		
GHE100-300(A)	300,000	93%	GPH	845	338	242	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72-7/16	66-7/16	3, 4	2" NPT	2" NPT	825		
GHE100-350(A)	350,000	92%	GPH	976	390	279	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72-7/16	66-7/16	3, 4	2" NPT	2" NPT	825		

*Weights listed are for non-ASME. Add 35 lbs. for ASME models.
 130,000 - 199,000 BTU models are certified to be installed with 2" venting.
 All models require a 120V power source.
 See use and care manual for venting details.
 †Overall width is 27-5/16" due to exhaust cover.

0" CLEARANCE TO COMBUSTIBLES

MODELS WITH INPUTS OF 130,000 BTU THRU 199,000 BTU ARE CERTIFIED TO VENT WITH 2" SCHEDULE 40 PVC, CPVC OR ABS PIPE

(FOR CANADIAN INSTALLATIONS, PLEASE USE ULC-S636 PVC AND CPVC PIPE.)

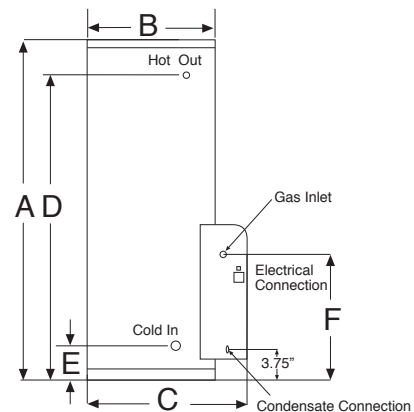
AdvantagePlus™ Sealed Combustion Gas 100,000 – 199,000 BTU/HR.



AdvantagePlus Features:

- 316L stainless steel tank construction (requires no anode rods).
- No chimney required; direct vent using plastic pipe.
- Thermal efficiency of 95% dramatically reduces operating costs.
- 85 equivalent feet of vent length.
- Low NO_x emissions. Meets SCAQMD Rule 1146.2.
- High impact plastic jacket eliminates dents.
- 2" of non-CFC, polyurethane foam insulation.
- Less than 1/2 degree per hour heat loss (R17).
- Corrosion resistant, high efficiency 90/10 cupronickel heat exchanger.
- Self-diagnostic electronic control with digital readout for water temperature, set point and differential.
- Removable front cover allows easy access to equipment (24" service clearance recommended).
- Temperature range from 70°F to 160°F (maximum temperature setting of 180°F available on HE55-160 and HE55-199 booster models only).
- Zero clearance to all combustible surfaces.
- Factory installed AGA/ASME rated T&P relief valve.
- Booster installation kit provided with HE55-160 and HE55-199 booster models.

(All models require 120V power source.)



RECOVERY CAPACITIES

MODEL NUMBER	CAP. GALS.	INPUT (BTU/HR.) NAT. & LP	THERMAL EFFICIENCY	TEMPERATURE RISE – DEGREES F – GALLONS PER HOUR											
				40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	
HE55-100*	55	100,000	95%	288	230	192	165	144	128	115	105	96	N/A	N/A	
HE55-130*	55	130,000	95%	374	299	249	214	187	166	150	136	125	N/A	N/A	
HE80-130*	80	130,000	95%	374	299	249	214	187	166	150	136	125	N/A	N/A	
HE119-130*	119	130,000	95%	374	299	249	214	187	166	150	136	125	N/A	N/A	
HE55-160	55	160,000	95%	461	368	307	263	230	205	184	167	154	142	132	
HE80-160	80	160,000	95%	461	368	307	263	230	205	184	167	154	N/A	N/A	
HE119-160	119	160,000	95%	461	368	307	263	230	205	184	167	154	N/A	N/A	
HE55-199	55	199,000	95%	573	458	382	327	286	255	229	208	191	176	164	
HE80-199	80	199,000	95%	573	458	382	327	286	255	229	208	191	N/A	N/A	
HE119-199	119	199,000	95%	573	458	382	327	286	255	229	208	191	N/A	N/A	

The recovery rate is based on recovery efficiencies obtained in a UL certified laboratory. These models have been tested according to ANSI Z21.10.3 test procedures and exceed the thermal efficiency and standby loss requirements of ASHRAE (part of the Federally mandated Energy Policy Act - EPACT). These models also exceed the energy efficiency codes of all states including the California Energy Commission (CEC). All models are North Carolina Code compliant.

DIMENSIONAL INFORMATION (All dimensions shown in inches)

MODEL NUMBER	A	B	C	D	E	F	VENT	WATER CONNECTIONS		APPROX. SHIPPING WEIGHT (LBS.)	CLEARANCE TO COMBUSTIBLES		
								INLET	OUTLET				
HE55-100*	52	23-1/2	32	45	5	25-1/4	2"	1	1	175 lbs.	0	0	0
HE55-130*	52	23-1/2	32	45	5	25-1/4	2"	1	1	175 lbs.	0	0	0
HE80-130*	72	23-1/2	32	65	5	25-1/4	2"	1-1/2	1-1/2	235 lbs.	0	0	0
HE119-130*	73	27	36	66-3/4	6-3/4	28-7/8	2"	1-1/2	1-1/2	405 lbs.	0	0	0
HE55-160	52	23-1/2	32	45	5	25-1/4	3	1	1	175 lbs.	0	0	0
HE80-160	72	23-1/2	32	65	5	25-1/4	3	1-1/2	1-1/2	235 lbs.	0	0	0
HE119-160	73	27	36	66-3/4	6-3/4	28-7/8	3	1-1/2	1-1/2	405 lbs.	0	0	0
HE55-199	52	23-1/2	32	45	5	25-1/4	3	1	1	175 lbs.	0	0	0
HE80-199	72	23-1/2	32	65	5	25-1/4	3	1-1/2	1-1/2	235 lbs.	0	0	0
HE119-199	73	27	36	66-3/4	6-3/4	28-7/8	3	1-1/2	1-1/2	405 lbs.	0	0	0

*The models with inputs of 100,000 kBtu and 130,000 kBtu are certified to vent with 2" Schedule 40 PVC, CPVC or ABS pipe. (For Canadian models, vent with 2" ULC-S636 PVC or CPVC pipe)

Use HEC prefix for Canadian models.

The HE55-160 and HE55-199 Booster models are the only models equipped with a 180°F thermostat. Models with 180°F thermostats come standard with the Booster Installation Kit which includes all necessary components for an approved installation.

BOOSTER INSTALLATION KIT INCLUDES:

- Nibco Tee – 1" x 1" x 1/2" (2 pieces)
- Female Adapter – 1" (2 pieces)
- Dial Thermometer (2 pieces)
- Expansion Tank – 4-1/2 gallon
- Grundfos 3 Speed Pump with Check Valve
- Nibco 1.2" x 12" Fitting Air Chamber
- Vacuum Relief Valve
- Pressure Gauge – 0-200 PSI
- Nibco Tee 712R – 1" x 1" x 3/4" (2 pieces)
- Nibco Tee 714RR – 1" x 1/2" x 1"
- Nibco Tee – 1" x 1/2" x 1" Copper
- Reducing Coupling
- Pressure Reducing Valve
- Nibco Male Adapter – 1"

Universal™ Heavy Duty Gas 98,000 – 400,000 BTU/HR.



(On Selected Models)



(With Optional Leg Kit)



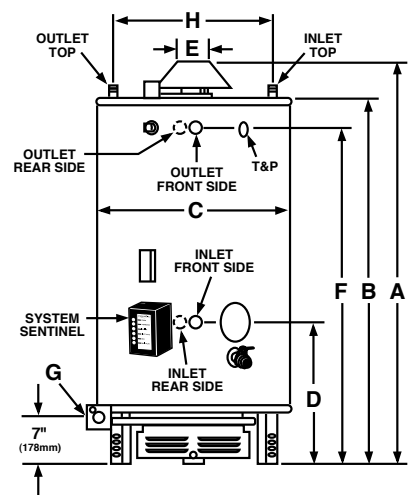
Universal Features:

- Small jacket diameters
- Short floor-to-vent heights
- Multiple water connections
- System Sentinel™ LED diagnostic system

Standard Features:

- 3 year limited tank warranty
- Patented multiflue design
- Low profile automatic flue damper
- Spark-to-pilot ignition system
- Full port, full flow brass drain valve

- Factory installed AGA/ASME rated T&P relief valve
- Handhole cleanout
- Stainless steel burners
- 180° max operating temperature
- LED diagnostics on all damper assemblies for easier service
- Certified for a 150 PSI maximum working pressure (160 PSI for ASME models)
- Manual reset high limit (ASME models)
- Low NOx models available



RECOVERY CAPACITIES			DIMENSIONAL INFORMATION (All dimensions shown in inches)																			CLEARANCES TO COMBUSTIBLES		
MODEL NUMBER	GAL. CAP.	INPUT BTU/HR. NATURAL & L.P.	THERMAL EFFICIENCY	TEMP. RISE - GPH			A	B	C	D	E	F	G	H	WATER CONNECTIONS			APPROX. SHIPPING WEIGHT (LBS.)		SIDE	REAR	TOP		
				40°	100°	140°									TOP IN/OUT	FRONT SIDE	REAR SIDE	STANDARD	ASME					
G50-98	50	98,000	80%	238	95	68	62-3/4	57-1/8	22-1/2	22-5/8	5	50-1/2	1/2	15	1	1-1/2	1-1/2	270	N/A	2"	2"	12"		
G75-125	75	125,000	80%	303	121	87	65-1/2	61	26-1/4	25	5	56	3/4	20	1-1/2	1-1/2	1-1/2	480	N/A	2"	2"	12"		
G82-156	82	156,000	80%	378	151	108	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	N/A	2"	2"	12"		
G76-180	76	180,000	80%	436	175	125	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	N/A	2"	2"	12"		
G37-200	35	199,900	80%	485	194	138	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	N/A	2"	2"	12"		
G76-200	76	199,900	80%	485	194	138	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	N/A	2"	2"	12"		
G91-200	91	199,900	80%	485	194	138	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	N/A	2"	2"	12"		
G100-200(A)	100	199,900	80%	485	194	138	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	835	2"	4"	12"		
G72-250(A)	72	250,000	80%	606	242	173	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	630	6"	6"	12"		
G100-250(A)	100	250,000	80%	606	242	173	73-1/4	66-1/8	30-1/4	23-1/4	8	57-1/2	3/4	23	1-1/2	2	2	795	835	2"	4"	12"		
G100-270(A)	100	270,000	80%	654	262	187	73-7/8	66-1/8	30-1/4	23-1/4	8	57-1/2	3/4	23	1-1/2	2	2	805	845	2"	4"	12"		
G72-300(A)	72	300,000	80%	727	291	208	71	64-1/2	26-1/4	25	8	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	590	630	6"	6"	12"		
G85-300(A)	85	300,000	80%	727	291	208	78-7/16	66-1/8	26-1/4	30-5/8	8	66-3/8	3/4	20	1-1/2	1-1/2	1-1/2	640	680	6"	6"	12"		
G100-310(A)	100	310,000	80%	752	301	215	75	68-1/2	30-1/4	32-1/4	7	61-3/4	3/4	23	1-1/2	2	2	770	810	4"	4"	12"		
G65-360(A)	65	360,000	80%	873	349	249	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	680	6"	6"	12"		
G65-400(A)	65	399,900	80%	969	388	277	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	680	6"	6"	12"		
G85-400(A)	85	399,900	80%	969	388	277	78-13/16	72-5/16	26-1/4	30-5/8	10	66-3/8	3/4	20	1-1/2	1-1/2	1-1/2	640	680	6"	6"	12"		
G100-400(A)	100	399,900	80%	969	388	277	76	68-1/2	30-1/4	32-1/4	8	61-3/4	1"	23	1-1/2	2	2	770	810	4"	4"	12"		

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory. Thermal Efficiency in accordance with ANSI Z21.10.3 labeling requirements.
 *(A) Indicates Available ASME Model. *3/4" for L.P. Models. Increase Height 3-5/8" for NSF Models. All Models Require a 120V Power Source.
 These models have been tested according to ANSI test procedures, and exceed the thermal efficiency and standby loss requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC). All models are North Carolina Code compliant.

Universal™ Heavy Duty Gas Low NOx 125,000 – 400,000 BTU/HR.



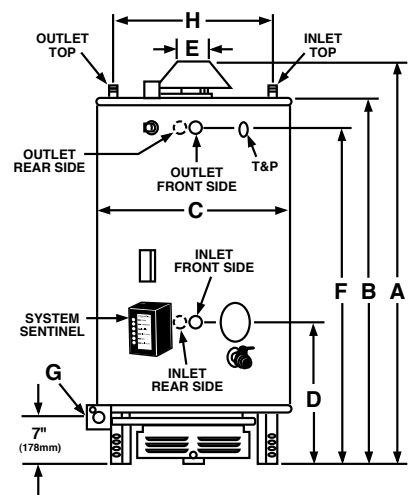
Universal Features:

- Small jacket diameters
- Short floor-to-vent heights
- Multiple water connections
- System Sentinel™ LED diagnostic system

Standard Features:

- 3 year limited tank warranty
- Patented multiflue design
- Low profile automatic flue damper
- Spark-to-pilot ignition system
- Full port, full flow brass drain valve
- Factory installed AGA/ASME rated T&P relief valve
- Handhole cleanout
- 180° max operating temperature

- Certified for a 150 PSI maximum working pressure (160 PSI for ASME models)
- Manual reset high limit (ASME models)
- Low NOx Burner – The Power Assist enclosed burner design incorporates stainless steel multi-port burner tubes for long term Low NOx 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.



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	5	56	3/4	20	1-1/2	1-1/2	1-1/2	480 lbs.	N/A
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.	835 lbs.
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.

All Models Require a 120V /1.5 Amp Power Source. (A) Suffix Indicates ASME Tank Construction Available.

Xtreme™ High-Input Gas 550,000 – 715,000 BTU/HR.



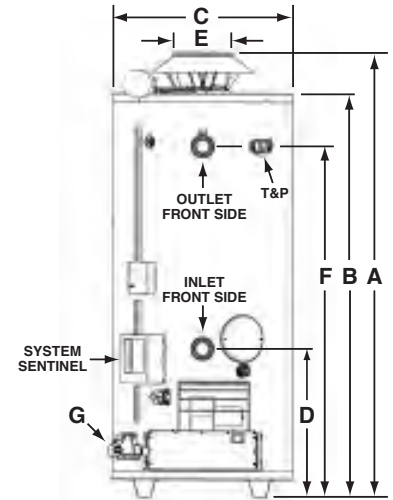
Xtreme Features:

- Small jacket diameters
- Short floor-to-vent heights
- Multiple water connections
- System Sentinel™ LED diagnostic system

Standard Features:

- 3 year limited tank warranty
- Patented multiflue design
- Low profile automatic flue damper
- Specialized burner assembly
- Spark-to-pilot ignition system
- Full port, full flow brass drain valve

- Factory installed AGA/ASME rated T&P relief valve
- Handhole cleanout
- Round premix stainless steel burners
- Manual reset high limit
- Certified for a 150 PSI maximum working pressure (160 PSI for ASME models)
- Low NOx models:
GX90-550(A)
GX90-640(A)



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

MODEL NUMBER	INPUT BTU/HR. NATURAL & L.P.	THERMAL EFFICIENCY	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
GX90-550(A)	550,000 NAT	80%	1333	1067	889	762	667	593	533	485	444	410	381
GX90-640(A)	640,000 NAT	80%	1551	1241	1034	887	776	690	621	564	517	477	443
GX90-715(A)	715,000 NAT	80%	1733	1387	1156	991	867	770	693	630	578	533	495
GX90-500(A) LP	500,000 LP	80%	1212	970	808	693	606	539	485	441	404	373	346
GX90-600(A) LP	600,000 LP	80%	1455	1164	970	831	727	647	582	529	485	448	416
GX90-680(A) LP	680,000 LP	80%	1649	1319	1099	942	824	733	659	599	550	507	471

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory. These models have been tested according to ANSI Z21.10.3 test procedures, and exceed the thermal efficiency and standby loss requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states. (A) indicates available ASME model.

DIMENSIONAL INFORMATION (All dimensions shown in inches)

MODEL NUMBER								WATER CONNECTIONS		APPROXIMATE SHIPPING WEIGHT	
	A	B	C	D	E	F	G	FRONT SIDE	REAR SIDE	STD.	ASME
GX90-550(A)	74.5	68	30	25	10	59	1	2	2	905	945
GX90-640(A)	74.5	68	30	25	10	59	1	2	2	905	945
GX90-715(A)	74.5	68	30	25	10	59	1	2	2	905	945
GX90-500(A) LP	74.5	68	30	25	10	59	1	2	2	905	945
GX90-600(A) LP	74.5	68	30	25	10	59	1	2	2	905	945
GX90-680(A) LP	74.5	68	30	25	10	59	1	2	2	905	945

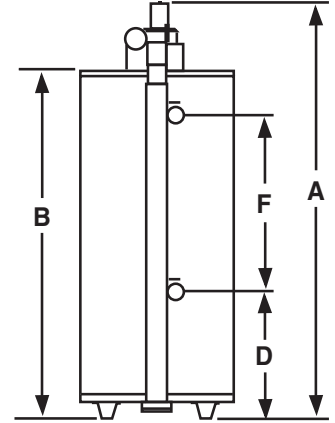
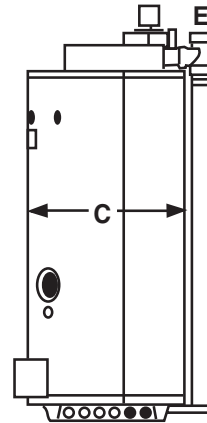
All Models Require a 120V Power Source. (A) Suffix Indicates ASME Tank Construction Available.

VentMaster™ Power Direct Vent Gas 150,000 – 250,000 BTU/HR.



Standard Features:

- Non-condensing design
- Integral automatic blower
- Patented multi-flue tank design
- Spark-to-pilot ignition system
- System Sentinel™ LED diagnostic system
- Full port, full flow brass drain valve
- No masonry or metal vent chimney required
- Installs with 3" or 4" schedule 40 PVC pipe
- Vents up to 50 feet



RECOVERY CAPACITIES (80% thermal efficiency)		GPH											
MODEL NUMBER	INPUT BTU/HR.	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F	
GP100-150	150,000	364	291	242	208	182	161	146	132	122	112	104	
GP100-200	199,900	485	388	323	277	242	215	194	176	162	149	138	
GP100-250(A)	250,000	606	485	404	346	303	269	242	220	202	186	173	

CLEARANCE TO COMBUSTIBLES (inches)			
MODEL NUMBER	SIDE	REAR	TOP
GP100-150	2"	6"	18"
GP100-200	51mm	153mm	459mm
GP100-250(A)	51mm	153mm	459mm

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							Minutes to Rec. Contents
			5 Minutes	10 Minutes	15 Minutes	20 Minutes	30 Minutes	45 Minutes	60 Minutes	
GP100-150	100	150,000	82	94	106	119	143	179	216	40
GP100-200	100	199,900	86	102	118	135	167	215	264	31
GP100-250(A)	100	250,000	90	110	131	151	191	252	312	25

DIMENSIONS (Inches)										
MODEL NUMBER	A	B	C	D	E	F	G	WATER CONNECTIONS		APPROXIMATE SHIPPING WEIGHT
								FRONT IN/OUT	REAR SIDE	
GP100-150	81-3/4	68-1/4	30-1/4	24-3/4	3	59	3/4	2	2	860 lbs.
GP100-200	81-3/4	68-1/4	30-1/4	24-3/4	3	59	3/4	2	2	860 lbs.
GP100-250(A)	81-3/4	68-1/4	30-1/4	24-3/4	4	59	3/4	2	2	860 lbs.

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