



The new degree of comfort.™



Commercial Gas  
Power Direct Vent Water Heaters

## Power Direct Vent commercial gas water heaters are the perfect choice for tight construction or when indoor air quality is a concern

### Features & Benefits

Power Direct Vent commercial gas water heaters provide outside air for combustion, which eliminates negative air pressure issues in tight construction. Models are available in 65,000 to 75,100 Btu/h, with a maximum temperature setting of 160 degrees Fahrenheit for 50 and 65-gallon models and 180 degrees Fahrenheit for 75-gallon models. This water heater is specifically designed where medium quantities of hot water are required. Typical applications include large residences, small restaurants, apartments and small office buildings.

### Thermal Efficiency

Meets or exceeds a minimum of 80% (non-condensing).

### FVIR Compliant

Maintenance free with no filter to clean.

### Flammable Vapor Detection Sensor

A protective control system disables the heater in the presence of flammable vapor accumulation.



### Self-Diagnostic System

Integrated self-dianostic system control takes the guess work away.

### Integral Automatic Blower

The powered blower assists in quietly bringing in combustion air and discharging combustion gases using 110 volt electrical connection.

### Low Emissions

Environmentally friendly burner is 40 ng/J NOx compliant.

### Easier, Less Costly Venting

Intalls with PVC, ABS, or CPVC vent options with vertical or horizontal termination. Side connections are available for ease of installation and flexibility. Maximum vent length is 100 equivalent feet. For Canadian installations, use ULC-S636 PVC and CPVC pipe.

### Longer Life

A patented magnesium anode rod design with resistor protects the tank from corrosion.

### Hot Surface Ignition (HSI)

Less fuel consumption versus a standing pilot

### Self Cleaning

Fights sediment buildup to increase operating efficiency and extend tank life.

### Full-port, Full-flow Drain Valve

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

### CSA/ASME Rated T&P Valve

Factory installed relief valve

### Altitude Certification

Certified up to 7,700 or 10,200 feet

### Warranty

3-Year limited tank warranty and 1-Year limited parts warranty

See Commercial Warranty Certificate for complete information

**Efficiency** | These models have been tested according to DOE test procedures, and meet or exceed thermal efficiency and standby loss requirements of current ASHRAE standards (Part of the Federally mandated Energy Policy Act (EPAct) and NRCAN). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

**Safety and Construction** | Design certified by CSA Laboratories: a) To meet all safety and construction requirements of ANSI Z21.10.1. b) As an automatic storage water heater. c) For operation of combustible floors, in alcove, and closet installations. d) For combination water heating and space heating applications. All models are North Carolina Code compliant. **Certified for 150 PSI maximum working pressure.**



### Rheem-Ruud Power Direct Vent

50, 65 and 75-Gallon Capacities  
up to 75,100 Btu/h  
Natural and LP Gas

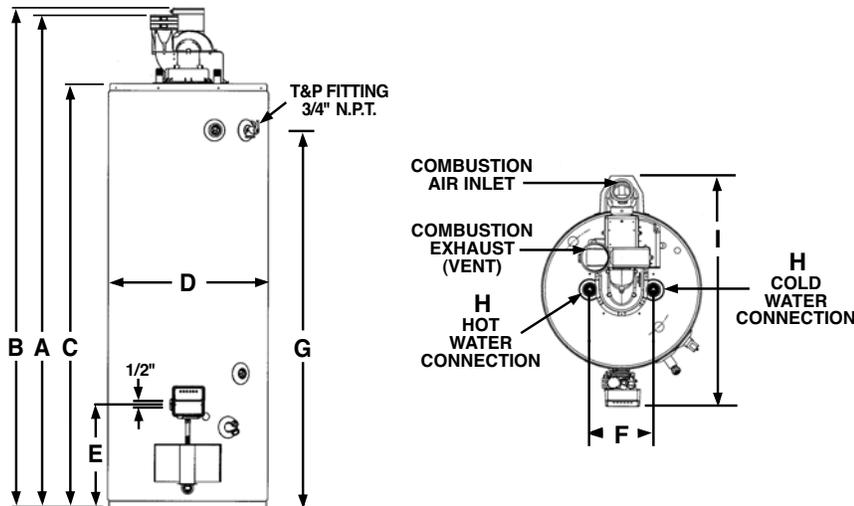


INTEGRATED AIR & WATER

<b>RECOVERY CAPACITIES</b> Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at various temperature rises													
MODEL NUMBER	INPUT (BTU/H) NATURAL & L.P.	UNITS	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
			(22°C)	(28°C)	(33°C)	(39°C)	(45°C)	(50°C)	(56°C)	(61°C)	(67°C)	(72°C)	(78°C)
GPDV50-65	65,000	GPH	148	118	98	84	74	66	59	54	49	45	42
		LPH	560	448	373	320	280	249	224	204	187	172	160
GPDV50-65LP	47,000	GPH	107	85	71	61	53	47	43	39	36	33	31
		LPH	405	324	270	231	202	180	162	147	135	125	116
GPDV65-65	65,000	GPH	148	118	98	84	74	66	59	54	49	45	42
		LPH	560	448	373	320	280	249	224	204	187	172	160
GPDV65-65LP	56,000	GPH	127	102	85	73	64	57	51	46	42	39	36
		LPH	482	386	322	276	241	214	193	175	161	148	138
GPDV75-75	75,100	GPH	171	137	114	98	85	76	68	62	57	53	49
		LPH	647	518	431	370	323	288	259	235	216	199	185
GPDV75-75LP	70,000	GPH	159	127	106	91	80	71	64	58	53	49	45
		LPH	603	482	402	345	301	268	241	219	201	186	172

<b>MAXIMUM DELIVERY</b> Delivery in U.S. Gallons and Liters. (Includes useable storage and recovery for indicated times)															
MODEL NUMBER	CAPACITY		INPUT (BTU/H) NATURAL & L.P.	TEMP. RISE	UNITS	5	10	15	20	30	45	60	120	180	MIN. TO REC. CONTENTS
	GALS	LITERS				MIN.									
GPDV50-65	50	189	65,000	100 °F	GAL	40	45	50	55	65	79	94	153	212	51
				37.7 °C	LTR	151	170	189	207	245	301	357	581	805	
GPDV50-65LP	50	189	47,000	100 °F	GAL	39	42	46	49	56	67	78	120	163	70
				37.7 °C	LTR	146	160	173	187	214	254	295	457	618	
GPDV65-65	65	239	65,000	100 °F	GAL	49	54	59	64	74	88	103	162	221	64
				37.7 °C	LTR	186	204	223	242	279	335	391	615	839	
GPDV65-65LP	65	239	56,000	100 °F	GAL	48	53	57	61	70	82	95	146	197	74
				37.7 °C	LTR	483	199	215	231	264	312	360	553	746	
GPDV75-75	75	284	75,100	100 °F	GAL	58	64	70	75	87	104	121	189	257	66
				37.7 °C	LTR	221	242	264	285	328	393	458	716	975	
GPDV75-75LP	75	284	70,000	100 °F	GAL	58	63	68	74	84	100	116	180	243	71
				37.7 °C	LTR	219	239	259	279	320	380	440	681	923	

<b>DIMENSIONAL INFORMATION</b> All dimensions in English and Metric units											
MODEL NUMBER	UNITS	A	B	C	D	E	F	G	H	I	APPROX. SHIP. WEIGHT
GPDV50-65	inches	67-5/8	68-3/8	59-3/8	21-3/4	14	8	52-3/4	3/4	31-1/2	210 lbs.
	mm	1718	1737	1508	553	356	203	1340	19	800	95 kgs.
GPDV65-65	inches	71-1/4	72-1/4	61-3/4	23	14-5/8	11	54	3/4	34-1/4	285 lbs.
	mm	1810	1835	1568	584	371	203	1372	19	870	129 kgs.
GPDV75-75	inches	70-3/8	71-1/4	60-1/2	26-1/2	15	11	53	1	36-3/4	325 lbs.
	mm	1788	1810	1537	673	381	203	1346	25	933	147 kgs.



### Air-Inlet Venting Information for GPDV50-65, GPDV65 and GPDV75

From Sea Level Through 2,000 ft. Above Sea Level					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
GPDV50-65	3	7	50	90° Elbows	–
GPDV50-65	3	7	40	–	Concentric*
GPDV50-65	4	7	100	90° Elbows	–
GPDV65	3	8	50	90° Elbows	–
GPDV65	3	8	40	–	Concentric*
GPDV65	4	8	100	90° Elbows	–
GPDV75	3	8	50	90° Elbows	–
GPDV75	3	8	40	–	Concentric*
GPDV75	4	8	100	90° Elbows	–

From 2,001 ft. Above Sea Level Through 5,999 ft. Above Sea Level					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
GPDV50-65	3	7	50	90° Elbows	–
GPDV50-65	3	7	40	–	Concentric*
GPDV50-65	4	7	100	90° Elbows	–
GPDV65	3	8	30	90° Elbows	–
GPDV65	3	8	20	–	Concentric*
GPDV65	4	8	100	90° Elbows	–
GPDV75	3	8	25	90° Elbows	–
GPDV75	3	8	20	–	Concentric*
GPDV75	4	8	100	90° Elbows	–

From 6,000 ft. Above Sea Level Through 7,700 ft. Above Sea Level					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
GPDV50-65	3	7	50	90° Elbows	–
GPDV50-65	3	7	40	–	Concentric*
GPDV50-65	4	7	100	90° Elbows	–
GPDV65	4	8	40	90° Elbows	–
GPDV75	4	8	50	90° Elbows	–

From 7,701 ft. Above Sea Level Through 10,200 ft. Above Sea Level					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
GPDV50-65	3	7	25	90° Elbows	–
GPDV50-65	3	7	20	–	Concentric*
GPDV50-65	4	7	100	90° Elbows	–

• One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.

\* Use only Rheem 3 inch concentric termination.

**For Canadian installations, use ULC-S636 PVC and CPVC pipe.**



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Water

Commercial Gas  
Power Direct Vent Water Heaters

### Recommended Specifications (for trade reference only)

Water heater(s) shall be Power Direct Vent model \_\_\_\_\_, manufactured by Rheem-Ruud, having gas input of \_\_\_\_\_ Btu/hr. and a recovery rate of \_\_\_\_\_ GPH at a 100°F temperature rise. Water heater shall have a storage capacity of \_\_\_\_\_ gallons. Water heater shall have the CSA seal of certification and be factory equipped with an CSA/ASME rated temperature and pressure relief valve. Tank shall have a coating of

high temperature porcelain enamel and furnished with a magnesium anode rod rigidly supported. Water heater shall meet or exceed the energy factor requirements of ASHRAE. Tank 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. Controls will be arranged for safety shutoff in event of pilot failure. Complete unit shall be insulated with rigid polyurethane foam insulation. Water Heater shall be covered by a three year limited warranty against tank leaks.

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

Rheem Water Heating • 101 Bell Road  
Montgomery, Alabama 36117-4305 • [www.rheem.com](http://www.rheem.com)

Rheem Canada Ltd./Ltée • 125 Edgeware Road, Unit 1  
Brampton, Ontario L6Y 0P5 • [www.rheem.com](http://www.rheem.com)



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