Commercial

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 47,000 to 75,100 Btu/h, with a maximum temperature setting of 160 degrees Fahrenheit for 50-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
Power Direct Vent
50 and 75-Gallon Capacities
Up to 75,100 Btu/h
Natural and LP Gas

See specifications chart next page.

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RECOVERY CAPACITIES Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at various temperature rises

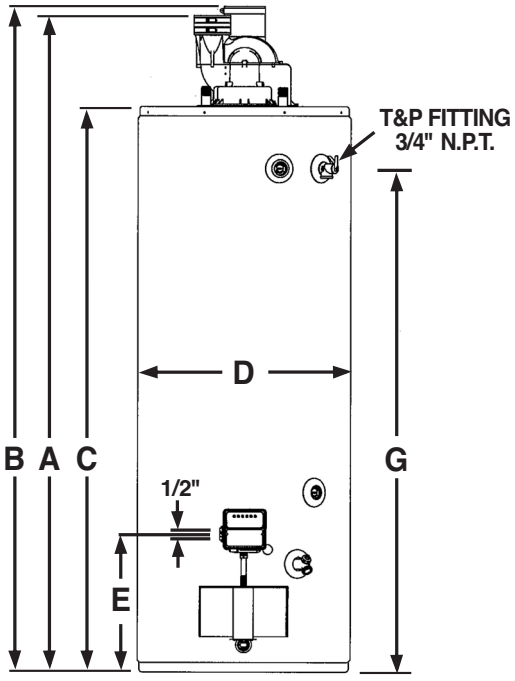
MODEL NUMBER	INPUT (BTU/H) NATURAL & L.P.	UNITS	40°F (22°C)	50°F (28°C)	60°F (33°C)	70°F (39°C)	80°F (45°C)	90°F (50°C)	100°F (56°C)	110°F (61°C)	120°F (67°C)	130°F (72°C)	140°F (78°C)
GPDV50-65	65,000	GPH	148	118	98	84	74	66	59	54	49	45	42
		LPH	*560*	*448*	*373*	*320*	*280*	*249*	*224*	*204*	*187*	*172*	*160*
GPDV50-65LP	65,000	GPH	107	85	71	61	53	47	43	39	36	33	31
		LPH	*405*	*324*	*270*	*231*	*202*	*180*	*162*	*147*	*135*	*125*	*116*
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
GPDV75-76LP	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

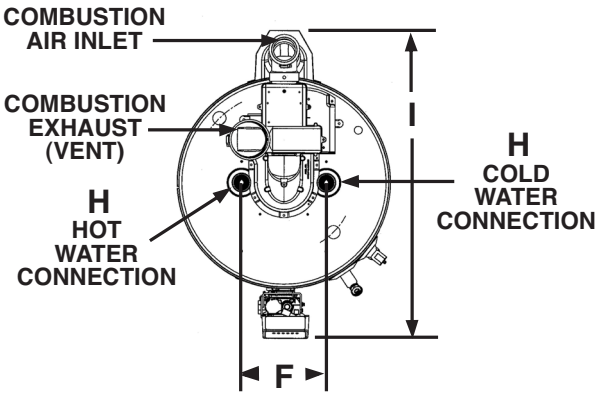
MAXIMUM DELIVERY Delivery in U.S. Gallons and Liters. (Includes useable storage and recovery for indicated times)

MODEL NUMBER	CAPACITY GALS	CAPACITY LITERS	INPUT (BTU/H) NATURAL & 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
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	65,000	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*	
GPDV75-75	75	284	75,100	100 °F	GAL	58	63	70	75	87	104	121	189	257	66
				37.7 °C	*LTR*	*221*	*239*	*264*	*285*	*328*	*393*	*458*	*716*	*975*	
GPDV75-76LP	75	284	75,100	100 °F	GAL	58	63	70	75	87	104	121	189	257	66
				37.7 °C	*LTR*	*221*	*239*	*264*	*285*	*328*	*393*	*458*	*716*	*975*	

DIMENSIONAL INFORMATION 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.*
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 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	–
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	–
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	–
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.

Recommended Specifications (for trade reference only)

Water heater(s) shall be Power Direct Vent model _____, manufactured by Rheem, 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.

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