The new degree of comfort.™

Power Direct Vent induced draft gas water heater is a perfect choice for tight construction or when indoor air quality is a concern

Efficiency

- 0.62 - 0.67** EF

Performance

- FHR: Up to 139-gallons for natural and LP gas
- Recovery: 38.4 to 75.8 at a 90 degree rise, based on model

Self-Diagnostic System

- Integrated system control for easy installation and service

Low Emissions

- Eco-friendly burner, low NOx design

Features

- Two pipe system: one pipe pulls in outside air for combustion and the other exhausts combustion gases
- 120 VAC powered blower
- New whisper quiet blower

Flammable Vapor Detection System

- Protective control system that disables the heater in the presence of flammable vapor accumulation

Flexible Venting Options

- Long venting lengths up to 100 feet
- PVC or CPVC certified to ULC-S636 vent pipe options
- Vertical or horizontal termination
- Concentric vent kit available

Longer Life

- Patented magnesium anode rod with resistor protects the tank from rust

High Altitude Compliant

- Models are certified for applications up to 10,200 feet above sea level

Plus…

- Brass drain valve and temperature and pressure relief valve are included
- Durable silicon nitride igniter (HSI)
- Side taps for space heating applications on 50-65, 65 and 75-gallon models
- EverKleen™ device removes sediment
- Standard replacement parts

Warranty

- 8-Year limited tank and 6-year limited parts warranty*

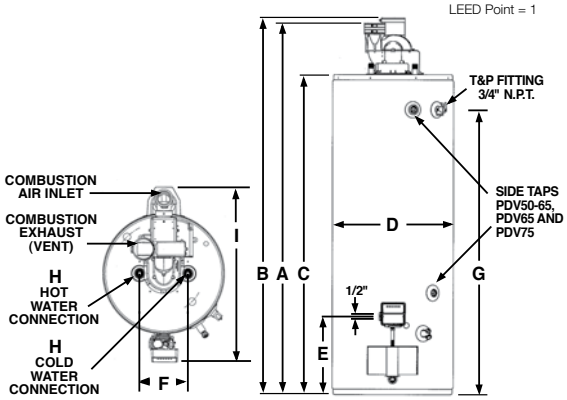
*See Residential Warranty Certificate for complete information

Power Direct Vent

Induced Draft
40 to 75-Gallon Capacities
Up to 75,100 Btu/h
Natural and LP Gas

Formerly GAMA

LEED Point = 1



DESCRIPTION			FEATURES						ROUGHING IN DIMENSIONS (SHOWN IN INCHES)										ENERGY INFO.		
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.		HT. TO TOP OF VENT A	HT. TO TOP OF AIR INLET B	TANK HT. C	DIAM. D	HT. TO GAS CONN. E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	FRONT TO BACK I	SHIP. WT. (LBS)	ENERGY FACTOR		AVG. ANN. OPER. COSTS
			NAT.	LP	NAT.	LP	NAT.	LP											NAT.	LP	NAT.
TALL	40	PDV40**	40	38	40.4	38.4	73	73	68-1/2	69-1/4	60-1/4	19-3/4	14	8	53-3/4	3/4	29-1/2	180	0.67	0.67	$272
	50	PDV50**	40	40	40.4	40.4	93	93	67-5/8	67-7/8	59-3/8	21-3/4	14	8	52-3/4	3/4	31-1/2	205	0.67	0.67	$272
	50	PDV50-65	65	47	65.7	47.5	111	92	67-5/8	68-3/8	59-3/8	21-3/4	14	8	52-3/4	3/4	31-1/2	210	0.62	0.62	$294
	65	PDV65	65	56	65.7	56.6	120	113	71-1/4	72-1/4	61-3/4	23	14-5/8	11	54	3/4	34-1/4	285	0.62	0.62	$294
	75	PDV75	75.1	70	75.8	70.7	139	139	70-3/8	71-1/4	60-1/2	26-1/4	15	11	53	1	36-3/4	325	–	0.62	$495†

†PDV75 LP annual operating cost.
**.67 EF exceeds ENERGY STAR® Phase II requirements, Sept. 2010.
Specify LP gas when ordering. Add "P" suffix to the model number. Example PDV40P.
Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. D.O.E. national average fuel rate natural gas $1.218/therm; LP $1.87/gallon.

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Air-Inlet Venting Information for PDV40 and PDV50

From 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)	
PDV40	2	7	30	90° Elbows	Concentric*
PDV40	3	7	60	90° Elbows	–
PDV40	3	7	50	–	Concentric*
PDV50	2	7	30	90° Elbows	Concentric*
PDV50	3	7	60	90° Elbows	–
PDV50	3	7	50	–	Concentric*

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)	
PDV40	2	7	15	90° Elbows	–
PDV40	2	7	30	–	Concentric*
PDV40	3	7	60	90° Elbows	–
PDV40	3	7	50	–	Concentric*
PDV50	2	7	15	–	Concentric*
PDV50	3	7	60	90° Elbows	–
PDV50	3	7	50	–	Concentric*

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)	
PDV40	2	7	15	–	Concentric*
PDV40	3	7	60	90° Elbows	–
PDV40	3	7	50	–	Concentric*
PDV50	3	7	60	90° Elbows	–
PDV50	3	7	50	–	Concentric*

Air-Inlet Venting Information for PDV50-65, PDV65 and PDV75

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)	
PDV50-65	3	7	50	90° Elbows	–
PDV50-65	3	7	40	–	Concentric*
PDV50-65	4	7	100	90° Elbows	–
PDV65	3	8	50	90° Elbows	–
PDV65	3	8	40	–	Concentric*
PDV65	4	8	100	90° Elbows	–
PDV75	3	8	50	90° Elbows	–
PDV75	3	8	40	–	Concentric*
PDV75	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)	
PDV50-65	3	7	50	90° Elbows	–
PDV50-65	3	7	40	–	Concentric*
PDV50-65	4	7	100	90° Elbows	–
PDV65	3	8	30	90° Elbows	–
PDV65	3	8	20	–	Concentric*
PDV65	4	8	100	90° Elbows	–
PDV75	3	8	25	90° Elbows	–
PDV75	3	8	20	–	Concentric*
PDV75	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)	
PDV50-65	3	7	50	90° Elbows	–
PDV50-65	3	7	40	–	Concentric*
PDV50-65	4	7	100	90° Elbows	–
PDV65	4	8	40	90° Elbows	–
PDV75	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)	
PDV50-65	3	7	25	90° Elbows	–
PDV50-65	3	7	20	–	Concentric*
PDV50-65	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.

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

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