



The new degree of comfort.™



Residential Gas
Power Vent Water Heaters

Power Vent induced draft gas water heaters offer up to 100 foot vent runs, energy efficiency and the Guardian System

Efficiency

- .67 EF exceeds ENERGY STAR® Phase II requirements, Sept. 2010

Performance

- FHR: Up to 87 gallons for 50-gallon models and up to 71 gallons for 40-gallon models
- Recovery rate is 32.4 to 42.4 for 50-gallon models and 32.4 to 40.4 for 40-gallon models at a 90 degree rise

Self-Diagnostic System

- Integrated system control for easy installation and service



Low Emissions

- Eco-friendly burner, low NOx design

Features

- Uses indoor air for combustion; blower exhausts the flue gases
- Standard 120 VAC electrical connection
- New whisper quiet blower

Guardian System™ & Sensor

- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation



Combustion Shut-off System



Flame Arrestor Plate



Maintenance Free

Flexible Venting Options

- Long venting lengths up to 100 equivalent feet
- PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination

Longer Life

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

High Altitude Compliant

- Tall models certified for applications up to 7,700 ft. above sea level and short models up to 6,000 feet above sea level

Plus...

- Brass drain valve and temperature and pressure relief valve are included
- Durable Silicon Nitride Ignitor (HSI)
- EverKleen™ device removes sediment
- Standard replacement parts

Warranty

- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

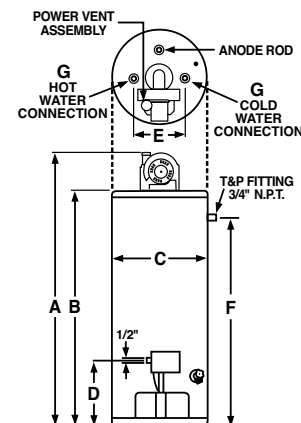


Power Vent Induced Draft

40 and 50-Gallon Capacities
Up to 42,000 Btu/h
Natural and LP Gas



LEED Point = 1



DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)								ENERGY INFO.	
T Y P E	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H. NAT.	HT. TO TOP OF ASSEMBLY A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	WATER CONN. CNTR. E	HT. TO SIDE T&P VALVE F	WATER CONN. SIZE G	SHIP. WT. (LBS)	ENERGY FACTOR NAT.	AVG. ANN. OPER. COSTS NAT.
			NAT.	LP	NAT.	LP											
TALL	40	43VP40E2	40	36	40.4	36.4	68	67-3/8	59	19-3/4	14	8	53-1/2	3/4	140	0.67	\$272
	50	43VP50E2	42	42	42.4	42.4	87	66-3/8	58	21-3/4	14	8	52-1/2	3/4	170	0.67	\$272
SHORT	40	43VP40SE2	36	32	36.4	32.4	71	62-1/2	51-1/4	21-3/4	14	8	44-1/4	3/4	155	0.67	\$272
	50	43VP50SE2	36	32	36.4	32.4	85	62-1/2	51-1/4	23-3/4	14	8	44	3/4	175	0.67	\$272

Specify LP gas when ordering. Add "P" to the model number. Example 43VP40PE2.

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.



INTEGRATED HOME COMFORT



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Tall Models Maximum and Minimum Vent Lengths

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.) 0' - 2000'	MAXIMUM PIPE LENGTH (FT.) 2000' - 7700'
One (1)	None	4.0	44.0	24.0
One (1)	One (1)	4.0	41.0	21.0
Two (2)	None	4.0	38.0	18.0
Two (2)	One (1)	4.0	35.0	15.0
Three (3)	None	4.0	32.0	12.0

For the 2" vent, one 90° elbow is approximately equal to 6 feet of pipe.
One 45° elbow is approximately equal to 3 feet of pipe.

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.) 0' - 2000'	MAXIMUM PIPE LENGTH (FT.) 2000' - 7700'
One (1)	None	5.0	95.0	75.0
One (1)	One (1)	5.0	92.5	72.5
Two (2)	None	5.0	90.0	70.0
Two (2)	One (1)	5.0	87.5	67.5
Three (3)	None	5.0	85.0	65.0

For the 3" vent, one 90° elbow is approximately equal to 5 feet of pipe.
One 45° elbow is approximately equal to 2.5 feet of pipe.

Short Models Maximum and Minimum Vent Lengths

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.) 0' - 2000'	MAXIMUM PIPE LENGTH (FT.) 2000' - 6000'
One (1)	None	4.0	44.0	24.0
One (1)	One (1)	4.0	41.0	21.0
Two (2)	None	4.0	38.0	18.0
Two (2)	One (1)	4.0	35.0	15.0
Three (3)	None	4.0	32.0	12.0

For the 2" vent, one 90° elbow is approximately equal to 6 feet of pipe.
One 45° elbow is approximately equal to 3 feet of pipe.

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.) 0' - 2000'	MAXIMUM PIPE LENGTH (FT.) 2000' - 6000'
One (1)	None	5.0	95.0	75.0
One (1)	One (1)	5.0	92.5	72.5
Two (2)	None	5.0	90.0	70.0
Two (2)	One (1)	5.0	87.5	67.5
Three (3)	None	5.0	85.0	65.0

For the 3" vent, one 90° elbow is approximately equal to 5 feet of pipe.
One 45° elbow is approximately equal to 2.5 feet of pipe.

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

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