

PERFORMANCE®



The new degree of comfort.®

PERFORMANCE® ENERGY STAR® Power Vent gas water heaters offer up to 150 foot vent run

Efficiency

- .65 - .70 UEF
- Some models are ENERGY STAR® rated

Performance

- FHR: 66 - 86 gallons
- Recovery: Up to 42.4 GPH at a 90° F rise for 50 and 40-gallon models, depending on model

Self-Diagnostic System

- Electronic diagnostic gas control valve for improved monitoring and service



Low Emissions

- Eco-friendly burner, low NOx design

Features

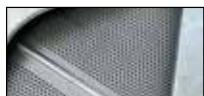
- Uses indoor air for combustion; blower exhausts the flue gases
- Standard 120 VAC electrical connection
- New whisper quiet blower

Maintenance Free Burner System

- 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 150 equivalent feet
- PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination

Longer Life

- Patented anode rod design provides long-lasting tank protection

Plus...

- Temperature and pressure relief valve included
- Low lead compliant
- Durable Silicon Nitride Ignitor (HSI)
- High Ambient Temperature Service Kit available for installations from 100-175° F. See chart on page 2 for more information
- Standard replacement parts

Warranty

- 6-Year limited warranty for tank and parts, 1-year full in-home labor warranty*

*See written warranty for complete details

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.



PERFORMANCE
Power Vent
40 and 50-Gallon Capacities
Up to 42,000 BTU/h



LEED Point = 1

See specifications chart on back.



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PERFORMANCE® Power Vent Specifications

Fuel Type	Description	Nominal Gallon Capacity	Rated Gallon Capacity	Model Number	Gas Input in Thous. BTU/h	Recovery in G.P.H. 90° F Rise	First Hour Rating (Gallons)	Ht. to Top of Assembly A	Tank Height B	Diam. C	Ht. to Gas Conn. D	Water Conn. Center E	Ht. to Side T&P Valve F	Water Conn. Size G	Ship Weight (LBS)	Uniform Energy Factor (UEF)
Natural Gas	Tall	50	48	XG50T06PV42U0	42	42.4	78	65-1/2	58	21-3/4	14	8	52-1/2	3/4	170	0.68
Natural Gas	Short	50	48	XG50S06PV36U0	36	36.4	78	58-1/4	51-1/4	23-3/4	14	8	44	3/4	185	0.70
Natural Gas	Tall	40	38	XG40T06PV40U0	40	40.4	86	66-1/4	59	19-3/4	14	8	53-1/2	3/4	137	0.69
Natural Gas	Short	40	39	XG40S06PV36U0	36	36.4	66	58-1/4	51-1/4	21-3/4	14	8	44-1/4	3/4	161	0.65
Liquid Propane	Tall	50	48	XP50T06PV42U0	42	42.4	78	65-1/2	58	21-3/4	14	8	52-1/2	3/4	170	0.68
Liquid Propane	Tall	40	38	XP40T06PV36U0	36	36.4	86	66-1/4	59	19-3/4	14	8	53-1/2	3/4	137	0.69
Liquid Propane	Short	40	39	XP40S06PV32U0	32	32.4	66	58-1/4	51-1/4	21-3/4	14	8	44-1/4	3/4	161	0.65

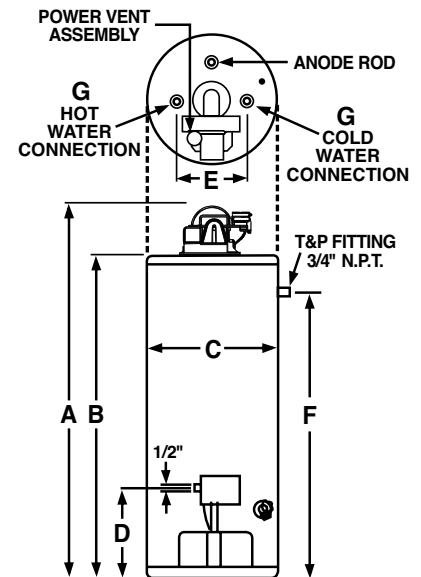
Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.



★ ENERGY STAR® compliant

Maximum and Minimum Vent Lengths for 2 - 3" Vents up to 2,000 Ft. (609 m) Above Sea Level								
Model	Gas	Heater input	Vent System Diameter	Min. Allowed Equivalent Vent Length		Max Allowed Equivalent Vent Length		Vent System Termination
		Btu/hr.	Inches	Feet	Meters	Feet	Meters	
All	Natural & Propane	42,000, 40,000, 36,000, 32,000	2	7	2.1	55	16.7	45° Elbow
			3	7	2.1	150	45.7	45° Elbow

Maximum and Minimum Vent Lengths for 2 - 3" Vents From 2,000 Ft. (609 m) through 7,800 Ft. (2,377 m) Above Sea Level								
Model	Gas	Heater Input	Vent System Diameter	Min. Allowed Equivalent Vent Length		Max Allowed Equivalent Vent Length		Vent System Termination
		Btu/hr.	Inches	Feet	Meters	Feet	Meters	
40 Gallon	Natural	40,000	2	7	2.1	25	7.6	45° Elbow
			3	7	2.1	150	45.7	45° Elbow
40 Gallon	Propane	36,000	2	7	2.1	35	10.6	45° Elbow
			3	7	2.1	150	45.7	45° Elbow
40 Gallon	Natural & Propane	36,000, 32,000	2	7	2.1	40	12.2	45° Elbow
			3	7	2.1	150	45.7	45° Elbow
50 Gallon	Natural & Propane	42,000, 36,000, 32,000	2	7	2.1	35	10.6	45° Elbow
			3	7	2.1	150	45.7	45° Elbow



For the 2" and 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.

High Ambient Installations				
Part	Temperature Rating	Vent Length	Venting Material Required	Fitting Material Required
SP21171-High Ambient Temperature Kit	100-175° F	First 10 equivalent feet of vent pipe and/or fittings be of CPVC or ABS	CPVC (Schedule 40, ASTM F441)	CPVC (Schedule 40, ASTM F438)
			ABS (Schedule 40, ASTM D2661)	ABS (Schedule 40 DWV, ASTM D2661)

See Use and Care Manual for additional information and instructions.

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

Rheem Water Heating • 1115 Northmeadow Parkway, Suite 100
Roswell, Georgia 30076 • www.rheem.com