



The new degree of comfort.®

Professional Classic® Power Vent gas water heaters offer up to 150 foot vent runs, energy efficiency and the Guardian System

Efficiency

- .65 - .70 UEF
- ENERGY STAR® rated

Performance

- FHR: 65 - 86 gallons
- Recovery: 32.4 to 42.4 GPH at a 90° F rise

Self-Diagnostic System

- Electronic gas control for improved monitoring and service



Low Emissions

- Eco-friendly burner, low NOx design

Features

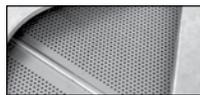
- Uses indoor air for combustion; blower exhausts the flue gases
- Standard 120 VAC electrical connection
- New whisper quiet blower

Guardian System™ & Sensor

- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Protective control system that 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

- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant

- All models certified for applications up to 7,800 ft. above sea level

Plus...

- Enhanced flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable Silicon Nitride Ignitor (HSI)
- EverKleen® patented system fights sediment build-up
- 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.



Professional Classic Power Vent

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



LEED Point = 1

See specifications chart on back.





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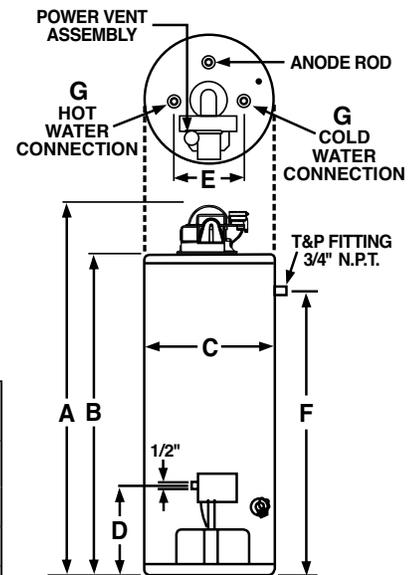


Residential Gas
Professional Classic
Power Vent Water Heaters

Professional Classic® Power Vent Specifications

| DESCRIPTION | | | FEATURES | | | | | | ROUGHING IN DIMENSIONS (SHOWN IN INCHES) | | | | | | | | ENERGY INFO. | |
|-------------|-------------------------|-----------------------|---------------------|---------------------------|----|-------------------------------|------|---------------------------|--|-----------------------------|---------------|---------|--------------------|----------------------|-------------------------|--------------------|----------------|-----------------------------|
| TYPE | NOMINAL GALLON CAPACITY | RATED GALLON CAPACITY | MODEL NUMBER | GAS INPUT IN THOUS. BTU/H | | RECOVERY IN G.P.H. 90° F RISE | | UEF FIRST HR. DEL. G.P.H. | | HEIGHT 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 WT. (LBS) | UNIFORM ENERGY FACTOR (UEF) |
| | | | | NAT. | LP | NAT. | LP | NAT. | LP | | | | | | | | | |
| Tall | 40 | 38 | PROG40-40N RH67 PV | 40 | - | 40.4 | - | 86 | - | 66-1/4 | 59 | 19-3/4 | 14 | 8 | 53-1/2 | 3/4 | 137 | 0.69 |
| Tall | 40 | 38 | PROG40-36P RH67 PV | - | 36 | - | 36.4 | - | 86 | 66-1/4 | 59 | 19-3/4 | 14 | 8 | 53-1/2 | 3/4 | 137 | 0.69 |
| Tall | 50 | 48 | PROG50-42N RH67 PV | 42 | - | 42.4 | - | 78 | - | 65-1/2 | 58 | 21-3/4 | 14 | 8 | 52-1/2 | 3/4 | 170 | 0.68 |
| Tall | 50 | 48 | PROG50-42P RH67 PV | - | 42 | - | 42.4 | - | 78 | 65-1/2 | 58 | 21-3/4 | 14 | 8 | 52-1/2 | 3/4 | 170 | 0.68 |
| Short | 40 | 39 | PROG40S-36N RH67 PV | 36 | - | 36.4 | - | 66 | - | 58-1/4 | 51-1/4 | 21-3/4 | 14 | 8 | 44-1/4 | 3/4 | 161 | 0.65 |
| Short | 40 | 39 | PROG40S-32P RH67 PV | - | 32 | - | 32.4 | - | 66 | 58-1/4 | 51-1/4 | 21-3/4 | 14 | 8 | 44-1/4 | 3/4 | 161 | 0.65 |
| Short | 50 | 48 | PROG50S-36N RH67 PV | 36 | - | 36.4 | - | 78 | - | 58-1/4 | 51-1/4 | 23-3/4 | 14 | 8 | 44 | 3/4 | 185 | 0.70 |
| Short | 50 | 48 | PROG50S-32P RH67 PV | - | 32 | - | 32.4 | - | 78 | 58-1/4 | 51-1/4 | 23-3/4 | 14 | 8 | 44 | 3/4 | 185 | 0.70 |

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



| 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 | |
| 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 | |
| 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.

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

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INTEGRATED HOME COMFORT