The new degree of comfort.™

# Professional Classic™ Power Direct Vent gas water heaters are a perfect choice for tight construction or when indoor air quality is a concern

## Efficiency

- .67 EF
- ENERGY STAR® rated

## Performance

- FHR: Up to 93 gallons for natural and LP gas
- Recovery: 38.4 to 40.4 at a 90 degree rise, based on model

## Self-Diagnostic System

- Electronic gas control for improved monitoring 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, ABS, or CPVC vent pipe options
- Vertical or horizontal termination
- Concentric vent kit available

## Longer Life

- Rheem exclusive R-Tech (resistored) anode rod provides long-lasting tank protection

## High Altitude Compliant

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

## Plus…

- Enhanced flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable silicon nitride igniter (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 Direct Vent**
40 and 50-Gallon Capacities
Up to 40,400 Btu/h
Natural and LP Gas

LEED Point = 1

**See dimensions chart on back.**



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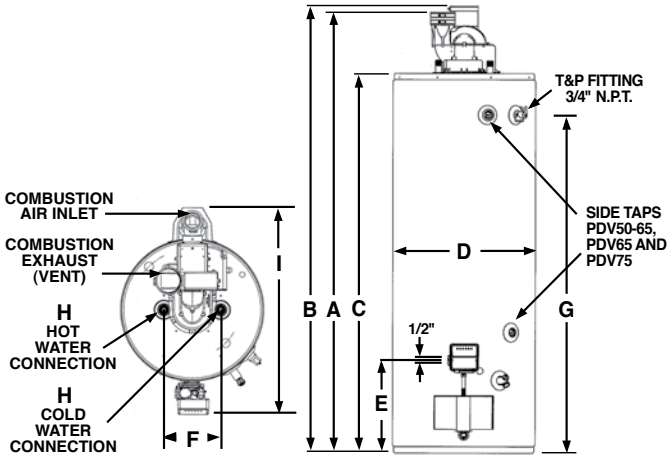
## Professional Classic™ Atmospheric Specifications

| DESCRIPTION | | | FEATURES | | | | | | ROUGHING IN DIMENSIONS (SHOWN IN INCHES) | | | | | | | | | | ENERGY INFO. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TYPE | GAL. CAP. | NATURAL GAS 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 | |
| | | | NAT. | LP | NAT. | LP | NAT. | LP | | | | | | | | | | | NAT. | LP |
| Tall | 40 | PROG40-40N RH67 PDV | 40 | | 40.4 | | 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 | |
| Tall | 40 | PROG40-38P RH67 PDV | | 38 | | 38.4 | | 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 |
| Tall | 50 | PROG50-40N RH67 PDV | 40 | | 40.4 | | 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 | |
| Tall | 50 | PROG50-40P RH67 PDV | | 40 | | 40.4 | | 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 |

Energy Factor based on D.O.E. (Department of Energy) test procedures.




## Air-Inlet Venting Information

| FROM SEA LEVEL THROUGH 5,999 FT. ABOVE SEA LEVEL | | | | | |
|---|---|---|---|---|---|
| MODEL | VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES) | MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.) | MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.) | VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S) | |
| PROG40-40N RH67 PDV | 2 | 7 | 30 | 90° Elbows | Concentric* |
| PROG40-40N RH67 PDV | 3 | 7 | 60 | 90° Elbows | – |
| PROG40-40N RH67 PDV | 3 | 7 | 50 | – | Concentric* |
| PROG50-40N RH67 PDV | 2 | 7 | 30 | 90° Elbows | Concentric* |
| PROG50-40N RH67 PDV | 3 | 7 | 60 | 90° Elbows | – |
| PROG50-40N RH67 PDV | 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) | MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.) | MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.) | VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S) | |
| PROG40-40N RH67 PDV | 2 | 7 | 15 | 90° Elbows | – |
| PROG40-40N RH67 PDV | 2 | 7 | 30 | – | Concentric* |
| PROG40-40N RH67 PDV | 3 | 7 | 60 | 90° Elbows | – |
| PROG40-40N RH67 PDV | 3 | 7 | 50 | – | Concentric* |
| PROG50-40N RH67 PDV | 2 | 7 | 15 | – | Concentric* |
| PROG50-40N RH67 PDV | 3 | 7 | 60 | 90° Elbows | – |
| PROG50-40N RH67 PDV | 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) | MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.) | MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.) | VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S) | |
| PROG40-40N RH67 PDV | 2 | 7 | 15 | – | Concentric* |
| PROG40-40N RH67 PDV | 3 | 7 | 60 | 90° Elbows | – |
| PROG40-40N RH67 PDV | 3 | 7 | 50 | – | Concentric* |
| PROG50-40N RH67 PDV | 3 | 7 | 60 | 90° Elbows | – |
| PROG50-40N RH67 PDV | 3 | 7 | 50 | – | Concentric* |

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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