



POWER DIRECT VENT

Long venting lengths up to 100 feet

- Designed for energy savings in today's tightly constructed homes
- Draws combustion air from outside the home
- PVC, ABS, or CPVC vent pipe options



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POWER DIRECT VENT



Gas water heaters designed for tightly constructed homes or when indoor air quality is a concern

Ruud Power Direct Vent gas water heaters are the perfect choice when local codes require outside air to be used for combustion. The two pipe system allows air to be pulled from outside the home which eliminates negative air situations. Homeowners also have placement flexibility due to longer vent runs with plastic pipe.

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Efficiency

- *Achiever Plus*: .65 UEF
- *Achiever*: .64 - .67 UEF, ENERGY STAR® rated

Performance

- FHR
Achiever Plus Heavy Duty: approximately 127 gallons for natural and LP gas
Achiever Plus: 105 gallons for natural and 88 gallons for LP gas
Achiever: up to 89 gallons for natural and LP gas
- Recovery
Achiever Plus Heavy Duty: 72.8 GPH at a 100° F rise
Achiever Plus: 47.5 to 65.7 at a 90° F rise, based on model
Achiever: 38.4 to 40.4 GPH at a 90° F 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

- Premium grade anode rod provides long-lasting tank life

High Altitude Compliant

- 40 and 50-Gallon 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)
- Side taps for space heating on *Achiever Plus* Heavy Duty
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty

Achiever Plus Models:

- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

Achiever Models:

- 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.

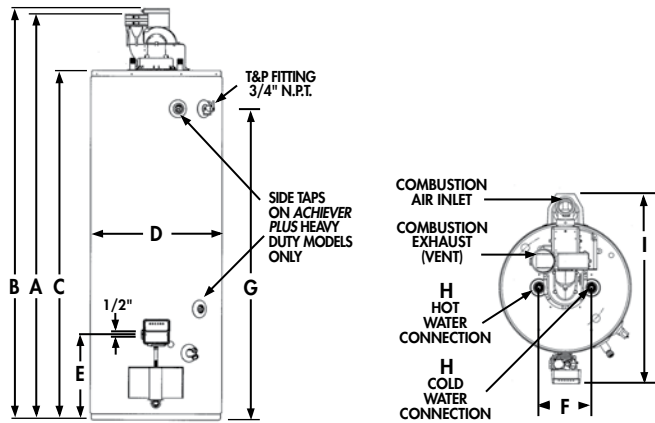


Specifications

DESCRIPTION				FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)										ENERGY INFO.					
TYPE	NOMINAL GALLON CAP.	RATED GALLON CAP.	NAT. GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° F RISE		UEF FIRST HR. DEL. G.P.H.		EF FIRST HR. DEL. G.P.H.		HEIGHT TO TOP OF VENT A	HEIGHT TO TOP OF AIR INLET B	TANK HEIGHT 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	UNIFORM ENERGY FACTOR (UEF)
				NAT.	LP	NAT.	LP	NAT.	LP	NAT.	LP												
Professional Achiever Plus™ Power Direct Vent																							
Tall	50	48	PRO+G50-65N RU62 PDV	65	47	65.7	47.5	105	88	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	0.65
Professional Achiever™ Power Direct Vent																							
Tall	40	38	★ PROG40-40N RU67 PDV	40	38	40.4	38.4	72	72	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	0.64
Tall	40	48	★ PROG50-40N RU67 PDV	40	40	40.4	40.4	89	89	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	0.70

DESCRIPTION				FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)										ENERGY INFO.				
TYPE	NOMINAL GALLON CAP.	RATED GALLON CAP.	NAT. GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 100° F RISE**		UEF FIRST HR. DELIVERY G.P.H.		HEIGHT TO TOP OF VENT A	HEIGHT TO TOP OF AIR INLET B	TANK HEIGHT 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	UNIFORM ENERGY FACTOR (UEF)	
				NAT.	LP	NAT.	LP	NAT.	LP													
Professional Achiever Plus™ Heavy Duty Power Direct Vent																						
Tall	75	N/A	PRO+G75-76N RU PDV	75.1	75.1	72.8	72.8	127	70-3/8	71-1/4	60-1/2	26-1/4	15	11	53	1	36-3/4	325	N/A	0.66		

*Refer to Specification Sheet on Ruud.com for LP model numbers.
 **Recovery Capacity is based upon a 100° F water temperature rise and calculated per ANSI Z21.10.3 standards.
 Uniform Energy Factor, Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.
 ★ ENERGY STAR® Compliant Model.



See next page for Vent and Combustion Air-Inlet System Information

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Vent and Combustion Air Inlet System Information

FROM SEA LEVEL THROUGH 2,000 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)	
PRO+G75-76N RU PDV	3	8	50	90° Elbows	–
PRO+G75-76N RU PDV	3	8	40	–	Concentric*
PRO+G75-76N RU PDV	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)	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)	
PRO+G50-65N RU62 PDV	3	7	50	90° Elbows	–
PRO+G50-65N RU62 PDV	3	7	40	–	Concentric*
PRO+G50-65N RU62 PDV	4	7	100	90° Elbows	–
PRO+G75-76N RU PDV	3	8	25	90° Elbows	–
PRO+G75-76N RU PDV	3	8	20	–	Concentric*
PRO+G75-76N RU PDV	4	8	100	90° Elbows	–
PROG40-40N RU67 PDV	2	7	30	90° Elbows	Concentric*
PROG40-40N RU67 PDV	3	7	60	90° Elbows	–
PROG40-40N RU67 PDV	3	7	50	–	Concentric*
PROG50-40N RU67 PDV	2	7	30	90° Elbows	Concentric*
PROG50-40N RU67 PDV	3	7	60	90° Elbows	–
PROG50-40N RU67 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)	
PRO+G50-65N RU62 PDV	3	7	50	90° Elbows	–
PRO+G50-65N RU62 PDV	3	7	40	–	Concentric*
PRO+G50-65N RU62 PDV	4	7	100	90° Elbows	–
PRO+G75-76N RU PDV	4	8	50	90° Elbows	–
PROG40-40N RU67 PDV	2	7	15	90° Elbows	–
PROG40-40N RU67 PDV	2	7	30	–	Concentric*
PROG40-40N RU67 PDV	3	7	60	90° Elbows	–
PROG40-40N RU67 PDV	3	7	50	–	Concentric*
PROG50-40N RU67 PDV	2	7	15	–	Concentric*
PROG50-40N RU67 PDV	3	7	60	90° Elbows	–
PROG50-40N RU67 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)	
PRO+G50-65N RU62 PDV	3	7	25	90° Elbows	–
PRO+G50-65N RU62 PDV	3	7	20	–	Concentric*
PRO+G50-65N RU62 PDV	4	7	100	90° Elbows	–
PROG40-40N RU67 PDV	2	7	15	–	Concentric*
PROG40-40N RU67 PDV	3	7	60	90° Elbows	–
PROG40-40N RU67 PDV	3	7	50	–	Concentric*
PROG50-40N RU67 PDV	3	7	60	90° Elbows	–
PROG50-40N RU67 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, Ruud reserves the right to make changes without notice.

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