



## Professional Achiever™ Power Vent gas water heaters offer up to 100 foot vent runs, energy efficiency and the Guardian System

### Efficiency

- .64 - .69 UEF
- ENERGY STAR® rated

### Performance

- FHR: 67 - 84 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

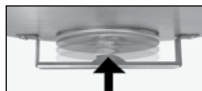
- Eco-friendly burner, low NOx design

### Features

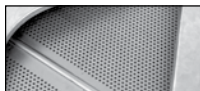
- Uses indoor air for combustion; blower exhausts the flue gases
- Standard 120 VAC electrical connection
- New whisper quiet blower

### 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 Arrester 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

- Premium grade anode rod provides long-lasting tank protection

### High Altitude Compliant

- Tall models certified for applications up to 7,700 ft. above sea level and short models up to 5,999 feet 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 Achiever Power Vent

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



LEED Point = 1

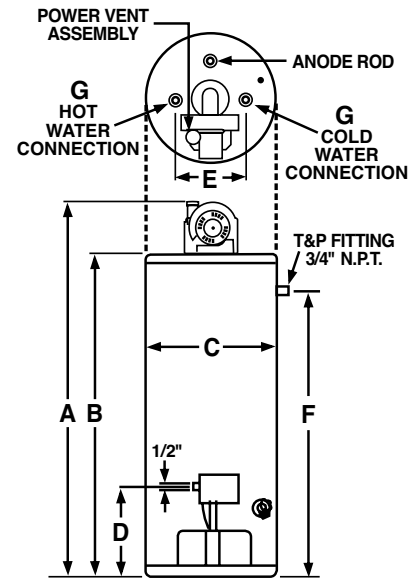
See specifications chart on back.



## 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.		EF 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)	ENERGY FACTOR	UNIFORM ENERGY FACTOR (UEF)
				NAT.	LP	NAT.	LP	NAT.	LP	NAT.	LP										
Tall	40	38	PROG40-40N RU67 PV	40	-	40.4	-	67	-	68	-	67-3/8	59	19-3/4	14	8	53-1/2	3/4	140	0.67	0.64
Tall	40	38	PROG40-36P RU67 PV	-	36	-	36.4	-	67	-	68	67-3/8	59	19-3/4	14	8	53-1/2	3/4	140	0.67	0.64
Tall	50	48	PROG50-42N RU67 PV	42	-	42.4	-	84	-	87	-	66-3/8	58	21-3/4	14	8	52-1/2	3/4	170	0.67	0.69
Tall	50	48	PROG50-42P RU67 PV	-	42	-	42.4	-	84	-	87	66-3/8	58	21-3/4	14	8	52-1/2	3/4	170	0.67	0.69
Short	40	38	PROG40S-36N RU67 PV	36	-	36.4	-	72	-	73	-	62-1/2	51-1/4	21-3/4	14	8	44-1/4	3/4	155	0.67	0.64
Short	40	38	PROG40S-32P RU67 PV	-	32	-	32.4	-	72	-	73	62-1/2	51-1/4	21-3/4	14	8	44-1/4	3/4	155	0.67	0.64
Short	50	48	PROG50S-36N RU67 PV	36	-	36.4	-	84	-	87	-	62-1/2	51-1/4	23-3/4	14	8	44	3/4	175	0.67	0.69
Short	50	48	PROG50S-32P RU67 PV	-	32	-	32.4	-	84	-	87	62-1/2	51-1/4	23-3/4	14	8	44	3/4	175	0.67	0.69

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



### Maximum and Minimum Vent Lengths for 2" Vents

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.  
 \*2,000' - 6,000' for short models.

### Maximum and Minimum Vent Lengths for 3" Vents

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.  
 \*2,000' - 6,000' for short models.

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