



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

### Efficiency

- .67 EF
- ENERGY STAR® rated

### Performance

- FHR: Up to 87 gallons for 50-gallon models and up to 73 gallons for 40-gallon models
- 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

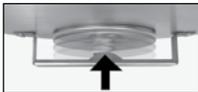
- Eco-friendly burner, low NOx design

### Features

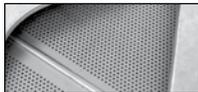
- Uses indoor air for combustion; blower exhausts the flue gases
- Standard 120 VAC electrical connection
- New whisper quiet blower

### 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 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

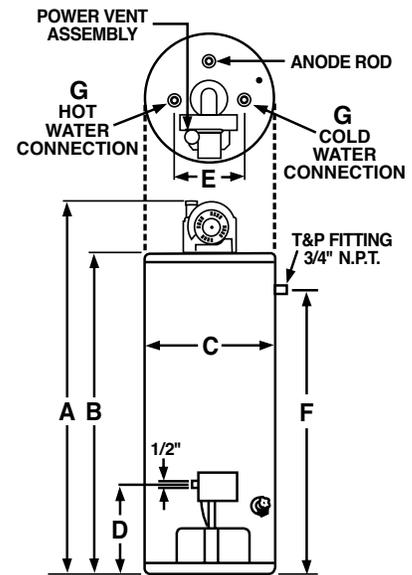
See specifications chart on back.



## Specifications

TYPE	DESCRIPTION		FEATURES						ROUGHING IN DIMENSIONS (SHOWN IN INCHES)							ENERGY INFO.		
	GAL. CAP.	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 ASSEMBLY A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	WATER CONN. CNTR. E	HT. TO SIDE T&P VALVE F	WATER CONN. SIZE G	SHIP. WT. (LBS)	ENERGY FACTOR	
			NAT.	LP	NAT.	LP	NAT.	LP									NAT.	LP
Tall	40	PROG40-40N RU67 PV	40		40.4		68		67-3/8	59	19-3/4	14	8	53-1/2	3/4	140	0.67	
Tall	40	PROG40-36P RU67 PV		36		36.4		68	67-3/8	59	19-3/4	14	8	53-1/2	3/4	140		0.67
Tall	50	PROG50-42N RU67 PV	42		42.4		87		66-3/8	58	21-3/4	14	8	52-1/2	3/4	170	0.67	
Tall	50	PROG50-42P RU67 PV		42		42.4		87	66-3/8	58	21-3/4	14	8	52-1/2	3/4	170		0.67
Short	40	PROG40S-36N RU67 PV	36		36.4		73		62-1/2	51-1/4	21-3/4	14	8	44-1/4	3/4	155	0.67	
Short	40	PROG40S-32P RU67 PV		32		32.4		73	62-1/2	51-1/4	21-3/4	14	8	44-1/4	3/4	155		0.67
Short	50	PROG50S-36N RU67 PV	36		36.4		87		62-1/2	51-1/4	23-3/4	14	8	44	3/4	175	0.67	
Short	50	PROG50S-32P RU67 PV		32		32.4		87	62-1/2	51-1/4	23-3/4	14	8	44	3/4	175		0.67

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



### 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.*