Pacemaker® Direct Vent Water Heaters



Pacemaker® direct vent gas water heaters use outside air for combustion, offer longer venting options and a coaxial vent for easy installation

Efficiency

- .58 .59 EF
- Well insulated for reduced stand-by heat loss

Performance

- FHR: 80 gallons for 50-gallon model and 66 gallons for 40-gallon model
- Recovery rate is 38.4 gallons at a 90 degree rise for both models

Technology

- Adjustable coaxial vent allows flexibility of installation, can swivel 360 degrees and uses outside air for combustion and requires no electrical power
- Aluminum vent and cap base to prevent staining of building exterior

Longer Venting

- Up to 4 feet above the water heater and 4 feet from an outside wall
- Order Horizontal Vent Kit: #SP20131
- Order Vertical Vent Kit: #SP20132

Guardian System[™] & Sensor

- Exclusive air/fuel shut-off device
- Maintenance free no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Low Emissions

• Meets 40 ng/J NOx requirements

Longer Life

 Patented magnesium anode rod with resistor protects the tank from rust

Plus...

- Brass drain valve and temperature and pressure relief valve are included
- Exclusive tank lining resists corrosion and prolongs tank life
- Heat saving flue baffle design
- Gas control and combination thermostat
- Piezo ignition
- High temperature silicone bands reduce venting installation time
- Internal air tube for reduced footprint

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

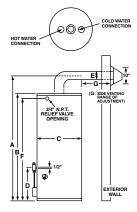
Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



Pacemaker Direct Vent

40 and 50-Gallon Capacities Up to 38,000 Btu/h Natural and LP Gas





VENTING	- ROUGHING IN DIME	NSIONS (INCHES)	SIDE VEN		SIDE VEN WITH OP			
	MODEL	4 FEET VENTING	VENT	KIT	VENT	KIT	OPTIONAL HEIGHT (A)	
TYPE	NUMBER	AVAILABLE	MIN.	MIN. MAX. MIN.		MAX.	WITH VENT KIT	
TALL	PH2DV40F	Horizontal	9-1/8	19-1/8	9-1/8	48**	68-1/4 - 107-3/4†	
17122	PH2DV50F	& Vertical	8-1/8	18-1/8	8-1/8	48**	68 – 107†	

DESCRIPTION		FEATURES					DIMENSIONS								ALTITUDE RATING		ENERGY INFO.		
T Y P	GAL. MODEL CAP. NUMBER		GAS INPUT IN RECOVERY IN THOUS. BTU/H G.P.H. 90° RISE NAT. LP NAT. LP			FIRST DEL. (HOUR G.P.H.	HT. TO VENT	TANK HT. DIAMETER B C		VENT SIZE		SHIP. WT. (LBS)	UP TO "X" FEET ABOVE SEA LEVEL NAT. LP		ENERGY FACTOR NAT.	AVG. ANN. OPER. COSTS NAT.		
E												_	-	·	· ·				
TALL	40	PH2DV40F	38	30	38.4	30.3	66	64	68-1/4	59-3/4	19-3/4	14-1/4	6	51-5/8	155	2,000*	7,700	0.59	\$309
IALL	50	PH2DV50F	38	34	38.4	34.3	80	79	68	59-1/2	21-3/4	14-1/4	6	52-1/2	165	6,000	6,000	0.58	\$315

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. D.O.E. national average fuel rate natural gas \$1.218/therm; LP \$1.87/gallon. If side wall is combustible material, 1" clearance must be included in adjustment range.

** Horizontal Vent Kit #SP20131. Venting dimensions are approximate.

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

Specify LP gas when ordering. Add "PF" suffix to the model number. Example PH2DV40PF.

[†] Vertical Vent Kit #SP20132. Venting dimensions are approximate.

^{*} High altitude model available upon request: PH2DV40HF.