



Power Direct Vent Residential Gas Water Heaters

Power Direct Vent Models

Lochinvar's Power Direct Vent residential gas models are available in 40, 50 and 75 gallon capacities, feature a power direct vent system for sidewall or rooftop termination and are qualified for ENERGY STAR.

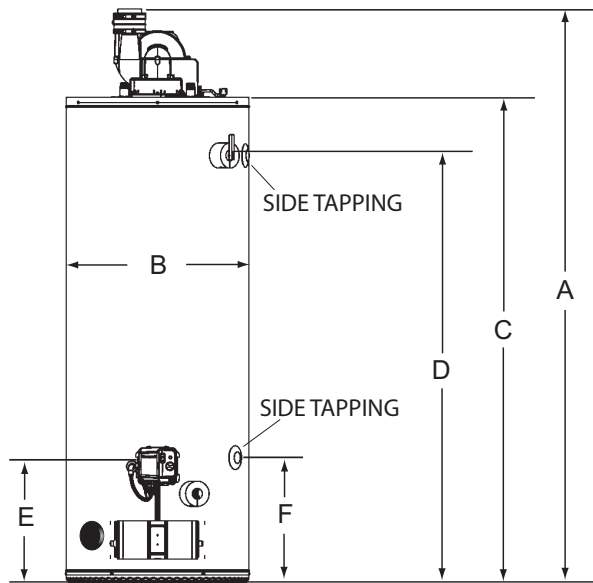
Standard Features

- **ENERGY STAR®** - The Power Direct Vent water heaters meet the ENERGY STAR requirement with .70 and .71 Energy Factors and are eligible for most utility rebate programs.
 - **Code Compliance** – Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended.
 - **Power Direct Vent System** – This 2-pipe closed combustion system utilizes a vent to exhaust the byproducts of combustion and a separate air intake to provide fresh combustion air. Vents through a sidewall or through the roof using 2", 3" or 4" PVC, CPVC or Polypropylene vent material. The design is Flammable Vapor Ignition Resistant.
 - **Electronic Gas Control** – The gas valve features electronic ignition, control logic for precise temperature control and an LED status indicator for simplified service diagnostics.
 - **Glass-Lined Steel Tank** – The durable glass lining is fused to the steel tank at 1600°F to assure lasting protection against rust and corrosion while providing clear, clean hot water. 300 PSI test pressure; 150 PSI working pressure.
 - **Non-CFC Foam Insulation** – A uniform coverage of thick closed-cell foam insulation minimizes standby heat loss, maximizes heat retention and delivers a high Energy Factor.
 - **Tank Saver Anode** – A large diameter, high capacity anode inhibits corrosion of the tank interior for long, trouble-free service.
 - **Heat Trap** – Heat traps are built into the inlet and outlet connections to eliminate heat migration and heat loss in the water piping.
 - **Sight Glass** – A built-in sight glass provides an unobstructed view of the burner and pilot flame.
 - **Temperature & Pressure Relief Valve** – Factory installed for optimum safety.
 - **Brass Drain Valve** – An enhanced ball valve design for effective drainage and positive shut-off.
 - **6 Year Limited Tank & Parts Warranty*** – See warranty sheet for details.
 - **10 Year Extended Warranty** – Available for residential applications only.
- * 1-year limited tank & parts warranty when installed in a commercial application.



All models meet or exceed Federal and ASHRAE Energy Efficiency Standards

Dimensions and Specifications



Model Number	Nominal Gal. Cap.	Rated Storage Cap.	Btu/Hr Input	UEF	1st Hr. Rating	GPH @ 90°F Rise	A	B	C	D	E	F	Gas Conn.	Water Conn.	Vent Size	Ship. Wt.
PRN040 40ES	40	38	40,000	0.68	74	45	58-1-4"	22"	49-1/2"	42-3/8"	13-1/4"	1/2"	2", 3" OR 4"	2", 3" OR 4"	3/4"	174
PRN050 45ES	50	48	45,000	0.72	81	50	67-1/2"	22"	58-7/8"	51-3/4"	13-1/4"	1/2"	2", 3" OR 4"	2", 3" OR 4"	3/4"	192
PRN050 65ESST	50	48	62,000*	0.73	118	73	68-7/8"	22"	60-1/4"	52-3/4"	13-1/4"	1/2"	3" OR 4"	3" OR 4"	3/4"	200
PRN075 70ESST	75	72	72,000	0.68	129	82	70-5/8"	26"	60-1/2"	53"	13-1/4"	1/2"	3" OR 4"	3" OR 4"	3/4"	277

Notes: Add "ST" to models PRN04040ES & PRN05045ES for optional side tappings. Replace "N" with "L" for LP gas models.

* Propane model rated for 58,000 Btu/hr

Certified for Potable Water and Space Heating Applications

This water heater is suitable for water heating and space heating.

Toxic chemicals, such as those used for boiler water treatment shall NEVER be introduced into this system. This water heater may NEVER be connected to any existing heating system or components previously used with non-potable water heating appliances.

Vent Kits	Part Number
2" Concentric Vent Kit	100112869
3" Concentric Vent Kit	100111100
2" Vent Kit *	100153232
3" Vent Kit *	100153234
High Ambient Air Kit **	100191116

* Vent Kit includes: Coupling, Termination elbows and Sound Suppressor

** High Ambient Air Kit must be installed with CPVC

Maximum Vent Length (Total equivalent feet)

Model Number	2"	3"	4"
PRN040 40ES	50'	125'	180'
PRN050 45ES	50'	125'	180'
PRN050 65ESST	N/A	50'	125'
PRN075 70ESST	N/A	50'	125'

FOR EASE IN ORDERING BY MODEL NUMBER

P	R	N	050	65	ES	ST
POWER DIRECT VENT	RESIDENTIAL	NAT. GAS	GALLON CAPACITY	BTU/HR INPUT	ENERGY STAR	SIDE TAPPINGS

This heater is a 62,000 Btu/hr Power Direct Vent natural gas water heater with a 50 gallon storage capacity and side tappings.



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