



Burnham® Independence Series

Gas Fired, Chimney or Power Vented, Cast Iron Steam Boiler

Independence

Chimney vented, equipped with fuel saving vent damper and low profile rear drafthood which accommodates low overhead areas and permits flexibility of installation with existing heating system piping.

Independence PV

Power vented option, for installation without a chimney. A draft-inducing fan pulls hot gases through the heat exchanger for optimum efficiency.

Standard Features

- Up 82% AFUE
- 62 – 382 MBH (10 sizes)
- Natural or LP gas on selected models (chimney vented)
- Electronic ignition (sizes 3-9)
- American-made cast iron sections
- Stainless steel burners
- Step-opening gas valve provides smooth & quiet start-up
- Industrial-quality pressure limit control
- Boiler controls concealed inside boiler jacket





Standard Equipment

(Semi Pack & K/D):

- Section assembly
- Insulated deluxe jacket
- Base-burner manifold assy.
- Flame roll-out switch (FRS)
- Gas control assembly
- Canopy
- Rear drafthood (sizes 3-9 only)
- Blocked vent switch
- Vent damper

Packaged Boilers add:

- Pressure limit
- 24V transformer
- Probe type LWCO
- Junction box
- Thermostat isolating relay
- Electronic ignition assembly
- 15 PSI safety valve
- Steam gauge
- Gauge glass
- 3/4" drain valve
- Wiring harness

PV Boilers add (in lieu of chimney venting equipment):

- Induced draft fan
- Suction pressure switch
- Thermostat blower relay
- Vent accessory carton: vent connector with locking band, vent terminal, clamp
- 3 oz. tube, silicone sealant

Independence Ratings & Specifications*

Model*	Input MBH (1)	DOE Heating Capacity	AHRI Net Ratings (2)			AFUE	Approx Shipping Weight (Lbs.)	Minimum Chimney Requirements (Round) Dia. (In.) x Ht. (Ft.) (4) (5)
			Water MBH	Steam MBH	Steam Sq. Ft.			
IN3I	62	51	44	38	158	81.9	350	4x15
IN4I	105	87	76	65	270	82.0	420	5x15
IN5I	140	115	100	86	358	82.0	485	6x15
IN6I	175	144	125	108	450	82.1	555	6x15(5)
IN7I	210	173	150	130	541	82.1	620	7x15
IN8I	245	202	176	152	633	82.2	690	7x15(5)
IN9I	280	231	201	173	720	82.2	760	8x15
		Gross Output MBH				Combustion Efficiency		
IN10(3)	315	260	226	195	812	79.5	815	8 x15(5)
IN11(3)	349	288	250	216	900	79.5	885	9x15
IN12	385	318	276	239	996	79.5	815	9x15

*LP available on IN3-IN9

1. Ratings shown are for installations at sea level and elevations up to 2,000 ft. For higher elevations, reduce ratings 4% for each 1,000 ft. above sea level
2. Capacities, outputs, and ratings are based on steam combustion efficiency of 82.5%.
3. For Canadian builds only: reduce input and output by 3%
4. 15 ft. height is measured from top of drafthood to top of chimney.
5. IN6, IN8, & IN10 – Canada only: Increase chimney diameter by 1"

Max Working Pressure: 15 PSI Steam

Dimensions

Boiler Model	A	B	C	D	E	F	G
IN3I	14-1/2	40	33-3/4	4	40-1/4	4-3/4	7-1/4
IN4I	17-3/4	40	34-3/4	5	40-1/4	4-3/4	8-7/8
IN5I	21	40	35-3/4	6	40-1/4	5-1/4	10-1/2
IN6I	24-1/4	40	35-3/4	6*	40-1/4	5-1/4*	12-1/8*
IN7I	27-1/2	40	36-3/4	7	40-1/4	7-1/2	13-3/4
IN8I	30-3/4	40	36-3/4	7*	40-1/4	7-1/2*	15-3/8*
IN9I	34	40	37-3/4	8	40-1/4	7-1/2	17
IN10I	37-1/4	45	38-3/4	8*	45-1/2	7-1/2	18-5/8
IN11I	40-1/2	45	38-3/4	9	45-1/2	7-1/2	20-1/4
IN12I	43-3/4	45	38-3/4	9	45-1/2	7-1/2	21-7/8
IN3PVNI	14-1/2	45	N/A	3	N/A	N/A	4
IN4PVNI	17-3/4	45	N/A	3	N/A	N/A	8-1/4
IN5PVNI	21	45	N/A	3	N/A	N/A	9-1/4
IN6PVNI	24-1/4	45	N/A	3	N/A	N/A	9-1/4

*Dimensions indicated are for U.S. only. For Canada, use dimension on next larger model.

Independence PV Ratings & Specifications (Natural Gas, Packaged)

Boiler Model	Input MBH	DOE Heating Capacity MBH (1)	AHRI Net Ratings		Maximum Vent Length Equivalent Ft. (2) (3)	AFUE%	Approx Shipping Weight (LBS.)
			Steam MBH	Steam Sq. Ft.			
IN3PVNI	62	52	39	162	45	83.2	355
IN4PVNI	105	87	65	270	35	82.2	425
IN5PVNI	140	116	87	362	35	82.2	490
IN6PVNI	175	145	109	454	35	82.2	560

1. Capacities and ratings are based on steam combustion efficiency of 83.0%. (84.1% for PIN3PV)
2. The approved venting system for the Independence PV is 3" AL29-4C® stainless steel. Do not substitute other materials.
3. Vent pipe length is listed in equivalent feet. Any elbows or tees used can have specific values which must be subtracted from the total length to determine maximum length of straight pipe. Consult Installation, Operating, and Service Instructions for details.

