

Burnham^a 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, offers the option of installation without the need of a chimney. A draft-inducing fan pulls hot gases through the heat exchanger for optimum efficiency.

Standard Features for All Models

- Up 82% AFUE
- 62 382 MBH (10 sizes)
- Natural or LP gas
- Electronic ignition
- American-made cast iron sections
- Stainless steel burners
- Step-opening gas valve provides smooth & quiet start-up
- Industrial-quality pressuretrol
- 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
- · 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* | | | | | | | | | |
|----------------------------------------|---------------------|-------------------------|------------------|--------------|--------------------------|------|---------------------------|-------------------------------------------|--|
| | Input MBH (1) | | I=B=R Rating (2) | | | | Approx | Minimum Chimney Requirements | |
| Model* | | DOE Heating Capacity | Water MBH | Steam MBH | Steam Sq. Ft. | AFUE | Shipping Weight (Lbs.) | (Round) Dia. (In.) x Ht. (Ft.) (4) (5) | |
| IN3 | 62 | 51 | 44 | 38 | 158 | 81.9 | 350 | 4x15 | |
| IN4 | 105 | 87 | 76 | 65 | 271 | 82.0 | 420 | 5x15 | |
| IN5 | 140 | 115 | 100 | 86 | 358 | 82.0 | 485 | 6x15 | |
| IN6 | 175 | 144 | 125 | 108 | 450 | 82.1 | 555 | 6x15(5) | |
| IN7 | 210 | 173 | 150 | 130 | 542 | 82.1 | 620 | 7x15 | |
| IN8 | 245 | 202 | 176 | 152 | 633 | 82.2 | 690 | 7x15(5) | |
| IN9 | 280 | 231 | 201 | 174 | 725 | 82.2 | 760 | 8x15 | |
| | | Gross Output MBH | | | Combustion Efficiency | | | | |
| IN10(3) | 315 | 260 | 226 | 195 | 812 | 82.5 | 815 | 8 x15(5) | |
| IN11(3) | 349 | 288 | 250 | 216 | 900 | 82.5 | 885 | 9x15 | |
| IN12 | 385 | 318 | 276 | 239 | 996 | 82.5 | 815 | 9x15 | |

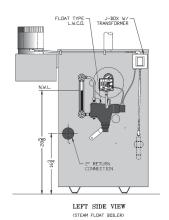
- *LP available on IN3-IN9
- 1. Ratings shown are for installations at sea level and elevations up to 2,000 ft. For higher elevations, reduce ratings 4% for each 1,000 ft. above sea level
- 2. Capacities, outputs, and ratings are based on steam combustion efficiency of 82.5%.
- 3. For Canadian builds 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

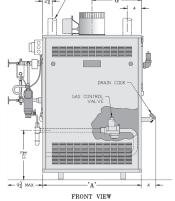
| Independence PV Ratings & Specifications (Natural Gas, Packaged) | | | | | | | | | |
|------------------------------------------------------------------|--------------|---------------------|--------------|------------------|---------------------------|-------|----------------------------------------|--|--|
| | | DOE Heating | | R Net ings | Maximum Vent Length | AFUE% | Approx Shipping Weight (LBS.) | | |
| Boiler Number | Input MBH | Capacity MBH (1) | Steam MBH | Steam Sq. Ft. | Equivalent Ft. (2) (3) | | | | |
| PIN3PV | 62 | 52 | 39 | 163 | 45 | 83.2 | 355 | | |
| PIN4PV | 105 | 87 | 65 | 271 | 35 | 82.2 | 425 | | |
| PIN5PV | 140 | 116 | 87 | 363 | 35 | 82.2 | 490 | | |
| PIN6PV | 175 | 145 | 109 | 454 | 35 | 82.2 | 560 | | |

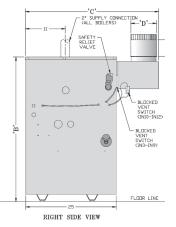
- Capacities and ratings are based on steam combustion efficiency of 83.0%. (84.1% for PIN3PV)
- 2. The approved venting system for the Independence PV is 3" AL29-4C $^{\circ}$ stainless steel. Do not substitute other materials.
- Vent pipe length is listed in equivalent feet. Any elbows or tees used 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.

| Dimensions | | | | | | | | | |
|-----------------|--------|----|--------|----|--------|--------|---------|--|--|
| Boiler Model | A | В | С | D | E | F | G | | |
| IN3 | 14-1/2 | 40 | 33-3/4 | 4 | 40-1/4 | 4-3/4 | 7-1/4 | | |
| IN4 | 17-3/4 | 40 | 34-3/4 | 5 | 40-1/4 | 4-3/4 | 8-7/8 | | |
| IN5 | 21 | 40 | 35-3/4 | 6 | 40-1/4 | 5-1/4 | 10-1/2 | | |
| IN6 | 24-1/4 | 40 | 35-3/4 | 6* | 40-1/4 | 5-1/4* | 12-1/8* | | |
| IN7 | 27-1/2 | 40 | 36-3/4 | 7 | 40-1/4 | 7-1/2 | 13-3/4 | | |
| IN8 | 30-3/4 | 40 | 36-3/4 | 7* | 40-1/4 | 7-1/2* | 15-3/8* | | |
| IN9 | 34 | 40 | 37-3/4 | 8 | 40-1/4 | 7-1/2 | 17 | | |
| IN10 | 37-1/4 | 45 | 38-3/4 | 8* | 45-1/2 | 7-1/2 | 18-5/8 | | |
| IN11 | 40-1/2 | 45 | 38-3/4 | 9 | 45-1/2 | 7-1/2 | 20-1/4 | | |
| IN12 | 43-3/4 | 45 | 38-3/4 | 9 | 45-1/2 | 7-1/2 | 21-7/8 | | |
| PIN3PV | 14-1/2 | 45 | N/A | 3 | N/A | N/A | 4 | | |
| PIN4PV | 17-3/4 | 45 | N/A | 3 | N/A | N/A | 8-1/4 | | |
| PIN5PV | 21 | 45 | N/A | 3 | N/A | N/A | 9-1/4 | | |
| PIN6PV | 24-1/4 | 45 | N/A | 3 | N/A | N/A | 9-1/4 | | |

^{*}Dimensions indicated are for USA only - For Canada, use dimension on next larger model.







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