

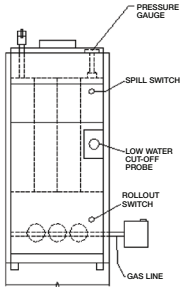
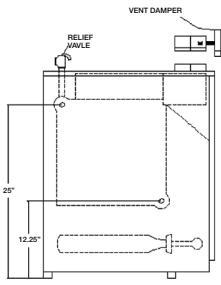
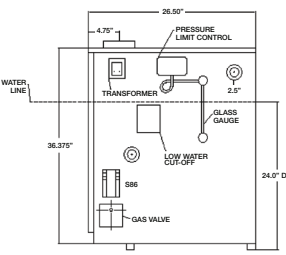



Gas-Fired Steam Boiler

- Up to 82.7% AFUE
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples
 - The sections and push nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets or steel push nipples, the boiler maintains a water tight seal.
- LWCO (Probe Type), Pressure High Limit Control, Pressure Gauge and Gauge Glass
- Atmospheric Chimney Vent Boiler with Integral Draft Hood and Vent Damper
 - Its low profile, compact design makes it ideal for low clearance installations

12 Year Limited Heat Exchanger Warranty

Innovative American Manufacturing



| Dimensional Diagram | Model | Input Rate Nat./LP (MBH) ⁽¹⁾ | Heating Capacity Nat./LP (MBH) ⁽¹⁾ | Net AHRI Rating ⁽¹⁾ Nat./LP | | | No. of Sec. | Vent Pipe Size | AFUE % | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|---|--------------------|----------------|-------------------|----------------------|-------------|--|---|----------------------------------|--|-----|-------------|--|------|-------------|--|--------------|-------------|--|---------------|-------------|--|-------|---------|--|---------------------|-------------|
| | | | | Steam (PPF) | Steam (Sq. Ft.) | Steam (MBH) | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>Front</p>  <p>Left Side</p>  <p>Right Side</p> | PSB-3D | 75/70 | 62/58 | 1.33 | 196/183 | 47/44 | 3 | 5" | 82.7 / 82.7 | | | | | | | | | | | | | | | | | | | | | |
| | PSB-4D | 112/105 | 91/85 | 1.33 | 283/267 | 68/64 | 4 | 6" | 82.0 / 80.4 | | | | | | | | | | | | | | | | | | | | | |
| | PSB-5D | 150/140 | 122/114 | 1.33 | 383/358 | 92/86 | 5 | 6" | 82.0 / 80.6 | | | | | | | | | | | | | | | | | | | | | |
| | PSB-6D | 187/175 | 153/143 | 1.33 | 479/446 | 115/107 | 6 | 7" | 82.0 / 80.9 | | | | | | | | | | | | | | | | | | | | | |
| | PSB-7D | 225/210 | 183/171 | 1.33 | 571/533 | 137/128 | 7 | 7" | 82.0 / 81.1 | | | | | | | | | | | | | | | | | | | | | |
| | PSB-8D | 262/245 | 214/200 | 1.33 | 671/625 | 161/150 | 8 | 7" | 82.0 / 81.3 | | | | | | | | | | | | | | | | | | | | | |
| | PSB-9D | 299/280 | 245/229 | 1.33 | 767/717 | 184/172 | 9 | 7" | 82.0 / 81.5 | | | | | | | | | | | | | | | | | | | | | |
| | <p>(1) MBH = 1,000 Btuh. Btuh = British Thermal Unit Per Hour. - For altitudes above 2,000 ft. reduce input rate 4% for each 1,000 ft. above sea level. - Heating Capacity is based on DOE (Department of Energy) test procedure. - Add model number suffix 'P' for Propane Gas.</p> <p>Net AHRI steam ratings shown are based on a piping and pickup allowance of 1.333.</p> <p>- Base selection of boiler size on "Net AHRI Rating" being equal to or greater than installed radiation in square feet. Consult manufacturer before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, exhaust piping systems, etc.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <p>General Information (See Installation, Operation and Maintenance Manual for complete instructions)</p> <table border="1"> <thead> <tr> <th rowspan="2">Clearances Required distances measured from boiler.</th> <th colspan="2">Combustible Materials (Required)</th> </tr> </thead> <tbody> <tr> <td>Top</td> <td colspan="2">6" (152 mm)</td> </tr> <tr> <td>Rear</td> <td colspan="2">6" (152 mm)</td> </tr> <tr> <td>Control Side</td> <td colspan="2">7" (178 mm)</td> </tr> <tr> <td>Opposite Side</td> <td colspan="2">6" (152 mm)</td> </tr> <tr> <td>Front</td> <td colspan="2">Alcove*</td> </tr> <tr> <td>Flue/Vent Connector</td> <td colspan="2">6" (152 mm)</td> </tr> </tbody> </table> <p>*Definition of Alcove is three sided space with no wall in front of boiler. ANSI standard for alcove is 18 inches from appliance to leading edge of side walls as shown in</p> | | | | | | | | | | Clearances Required distances measured from boiler. | Combustible Materials (Required) | | Top | 6" (152 mm) | | Rear | 6" (152 mm) | | Control Side | 7" (178 mm) | | Opposite Side | 6" (152 mm) | | Front | Alcove* | | Flue/Vent Connector | 6" (152 mm) |
| Clearances Required distances measured from boiler. | Combustible Materials (Required) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top | 6" (152 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rear | 6" (152 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Control Side | 7" (178 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opposite Side | 6" (152 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Front | Alcove* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flue/Vent Connector | 6" (152 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connections (All Models) | | Return/Supply Tappings 2-1/2" NPT, Gas In 075/112/150 1/2" NPT, 187/225/262/299 3/4" NPT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electrical | | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions/ Weights | | Model | A (Width) | | Weight | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSB-3D | 11-1/4" | | 297 lbs. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSB-4D | 14-1/2" | | 368 lbs. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSB-5D | 17-3/4" | | 440 lbs. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSB-6D | 21" | | 512 lbs. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSB-7D | 24-1/4" | | 584 lbs. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSB-8D | 27-1/2" | | 659 lbs. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSB-9D | 30-3/4" | | 736 lbs. | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard Equipment | | <p>Boiler Control Module: Electronic Low Water Cut-Off with 3/4" Probe, Pressure Limit Control, Steam Pressure Gauge and Glass Water Level Gauge. Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples. Combustion: Completely installed and wired gas control system consisting of: Titanium Composite Burners, Gas Manifold with Orifices, Automatic Redundant Combination Gas Valve, 24 Volt, with Pilot Filter and Regulator, Intermittent Pilot Control, Continuous Retry 100% Shut-Off; Combination Pilot Burner/Electrode/Flame Sensor and Integral Draft Diverter. Electrical: 24 Volt Transformer. Safety: Flame Roll-Out Safety Shut-Off Fuse Link (Roll-Out Switch) and Blocked Vent Safety Shut-Off Manual Reset Disc Thermostat (Spill Switch) with Spare Fuse Link included. Other: Assembled Boiler with Insulated Jacket, 3/4" Boiler Drain Valve, 15 psi ASME Pop Safety Valve, (2) 2 1/2" Supply Tappings and (2) 2 1/2" Return Tappings (2) 2 1/2" Square Head Pipe Plugs - to plug unused supply and return tappings.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Options | | Both Natural Gas or LP models available. Other options include: Electronic Water Feeder and Combustible Floor Plate. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Certifications | |    | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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