



GAS-FIRED STEAM BOILER PSB CAST IRON



UP TO 82.7% AFUE EFFICIENCY

Dunkirk has been making American steam boilers for more than 80 years. Dunkirk's Plymouth Steam Boiler (PSB) offers a great combination of heating comfort, efficiency, and Dunkirk dependability. With efficiency as high as 82.7%, a Plymouth Steam boiler is an outstanding choice for performance and operating cost.

The boiler is equipped with two 2 1/2" supply and two 2 1/2" return connections. Easy piping with dual piping riser options depending on boiler size.

Dunkirk Boilers are reliable, and we back them with a limited 5-year parts warranty.

PSB FEATURES

- 7 Models Available, 75 - 299 MBH
- 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:
Low profile, compact design is ideal for low clearance installations.
- Factory tapped 1/2" NPT location for secondary manual-reset LWCO.
- Titanium Burners that are built to last
- Warranty Coverage (Residential)
 - 12 Year Heat Exchanger Limited Warranty
 - 5 Year Parts Limited Warranty



RATINGS

MODEL	AHRI CERTIFIED RATINGS (NG/LP)					Flue Diameter	- A - WIDTH	- B - HEIGHT	DEPTH	WEIGHT
	Input MBH ⁽¹⁾	Heating Capacity MBH ⁽¹⁾	Net Steam MBH ⁽²⁾	Steam Sq. Ft.	Efficiency AFUE%					
PSB-3D	75/70	62/58	47/44	195/183	82.7	5"	11 1/4"	36 3/8"	26 1/2"	297
PSB-4D	112/105	91/85	68/64	283/267	82.0	6"	14 1/2"	36 3/8"	26 1/2"	368
PSB-5D	150/140	122/114	92/86	383/358	82.0	6"	17 3/4"	36 3/8"	26 1/2"	440
PSB-6D	187/175	153/143	115/107	479/446	82.0	7"	21"	36 3/8"	26 1/2"	512
PSB-7D	225/210	183/171	137/128	570/533	82.0	7"	24 1/4"	36 3/8"	26 1/2"	584
PSB-8D	262/245	214/200	161/150	670/625	82.0	7"	27 1/2"	36 3/8"	26 1/2"	659
PSB-9D	299/280	245/229	184/172	766/717	82.0	7"	30 3/4"	36 3/8"	26 1/2"	736

CONNECTIONS

Return/Supply: 2 1/2" NPT

Gas Inlet: 1/2" NPT (75/112/150),
3/4" NPT (187/225/262/299)

ELECTRICAL

120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended)

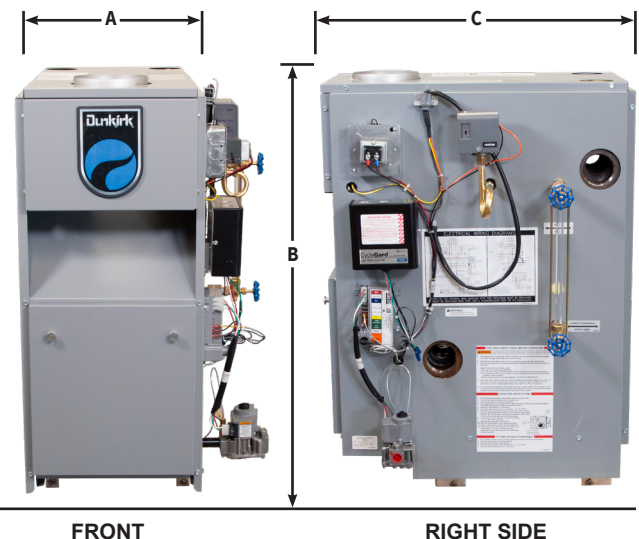
STANDARD EQUIPMENT

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

OPTIONS

Natural Gas to Propane Conversion Kits Available, High Altitude Conversion Kits Available, Electronic Water Feeder

- (1) 1000 Btu/hr (British Units Per Hour)
(2) Heating capacity and AFUE (Annual Fuel Utilization Efficiency) are based on DOE (Department of Energy) test procedures.
(3) Net AHRI steam ratings shown are based on a piping and pickup allowance of 1.333. Consult manufacturer before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.
(4) Refer to IOM and vent pipe manufacturer's instructions for equivalent lengths and approved venting materials.



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All specifications subject to change without notice.
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