



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 on both the left and right sides for installation options.

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
 - 12 Year Limited Heat Exchanger Warranty
- Innovative American Manufacturing



RATINGS

AHRI CERTIFIED RATINGS (NG/LP)

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)

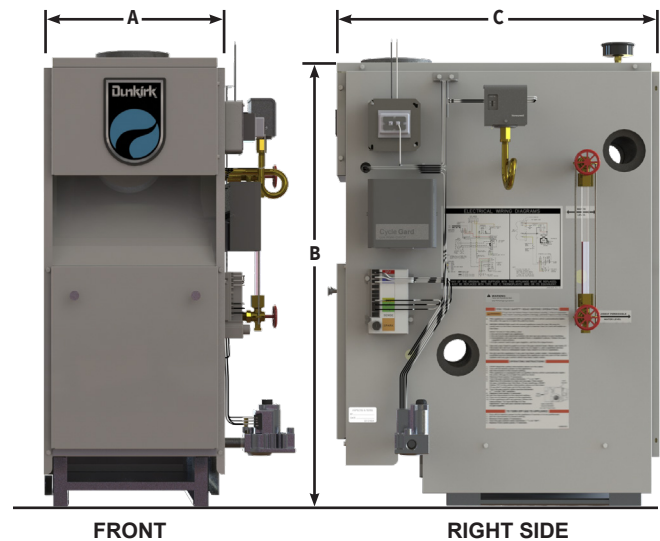
STANDARD EQUIPMENT

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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