

Dunkirk® | WPSB Series II

Innovative. Efficient. Dependable. Dunkirk.

WPSB

Up to 84.1% AFUE Gas Fired Hot Water Boiler

- Available in 7 sizes from 75 MBH to 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 the boiler maintains a water tight seal over time.
- Advanced Fuel Smart Hydrostat Control: 3 Functions in 1 Control
 - Temperature limit with LED display and easy dial settings. Diagnostic and function indicator lights.
 - Low Water Cut-Off (LWCO), protects the boiler from damaging low water conditions.
 - Boiler Reset, lowers the boiler temperature to save fuel by turning on the burner only when needed. Set-up is quick with no need to install an outdoor sensor; just dial in the number of heating zones.
- Atmospheric Chimney Vent Boiler with Integral Draft Hood and Vent Damper. The Integral Draft Hood reduces the overall height and footprint of the boiler making it ideal for low clearance/space limited installations.
- Textured paint jacket.
- Cast to Last Warranty.
 - 20 year non-prorated limited warranty.



Dunkirk WPSB Series II Gas Fired Hot Water Boiler

Dimensional Diagram	Ratings - Natural Gas (D) / Propane (DP)																									
	Model	Input Rate (MBH) ⁽¹⁾	Heating Capacity (MBH) ⁽¹⁾	Net AHRI Rating, Water (MBH) ⁽²⁾	AFUE %																					
<p style="text-align: center;">Front</p>	WPSB-3D/DP	75/70	63/59	55/51	84.0%																					
	WPSB-4D/DP	112/105	94/88	82/77	84.0%																					
	WPSB-5D/DP	150/140	126/118	110/103	84.1%																					
	WPSB-6D/DP	187/175	157/147	137/128	84.1%																					
	WPSB-7D/DP	225/210	188/176	163/153	84.0%																					
	WPSB-8D/DP	262/245	220/206	191/179	83.9%																					
	WPSB-9D/DP	299/280	251/235	218/204	83.7%																					
	<p>(1) Input rating for sea level to 2,000 ft. (610m) above sea level. United States, over 2000 ft (610m) above sea level. Reduce input rate 4% for every 1000 ft (304m) above sea level.</p> <p>(2) Net AHRI Water Ratings shown based on piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.</p> <p>For forced hot water systems where boiler and all piping within area to be heated, boiler may be selected on basis of its heating capacity.</p>																									
	<p>General Information (See Installation, Operation and Maintenance Manual for complete instructions)</p> <table border="1"> <thead> <tr> <th rowspan="2">Clearances ⁽³⁾ Required distances measured from boiler.</th> <th colspan="2">Combustible Materials (Required) ⁽³⁾</th> </tr> </thead> <tbody> <tr> <td>Top</td> <td colspan="2">6" (152 mm)</td> </tr> <tr> <td>Left Side</td> <td colspan="2">6" (152 mm)</td> </tr> <tr> <td>Right Side (Control Side)</td> <td colspan="2">7" (178 mm)</td> </tr> <tr> <td>Front</td> <td colspan="2">Alcove*</td> </tr> <tr> <td>Back</td> <td colspan="2">6" (152 mm)</td> </tr> <tr> <td>Flue 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 IOM.</p>						Clearances ⁽³⁾ Required distances measured from boiler.	Combustible Materials (Required) ⁽³⁾		Top	6" (152 mm)		Left Side	6" (152 mm)		Right Side (Control Side)	7" (178 mm)		Front	Alcove*		Back	6" (152 mm)		Flue Connector	6" (152 mm)
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Connections (All Models)		Return/Supply Water 1-1/4", Gas In 1/2" NPT																								
Electrical		120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)																								
Water Content		WPSB-3 - 6.3 Gallons, WPSB-4 - 8.1 Gallons, WPSB-5 - 9.9 Gallons, WPSB-6 - 11.7 Gallons, WPSB-7 - 13.5 Gallons, WPSB-8 - 15.3 Gallons, WPSB-9 - 17.2 Gallons																								
<p style="text-align: center;">Right</p>	Dimensions/Weights		Model	A (Width)	B (Height)	C (Depth)	Weight																			
			WPSB-3	11-1/4"	36-3/8"	26-1/2"	315 lbs.																			
			WPSB-4	14-1/2"	36-3/8"	26-1/2"	377 lbs.																			
			WPSB-5	17-3/4"	36-3/8"	26-1/2"	453 lbs.																			
			WPSB-6	21"	36-3/8"	26-1/2"	534 lbs.																			
			WPSB-7	24-1/4"	36-3/8"	26-1/2"	601 lbs.																			
			WPSB-8	27-1/2"	36-3/8"	26-1/2"	665 lbs.																			
			WPSB-9	30-3/4"	36-3/8"	26-1/2"	750 lbs.																			
Standard Equipment		<p>Boiler Control Module: Fuel Smart Hydrostat Temperature Limit, LWCO and Boiler Reset Control with Circulator Relay and Domestic Hot Water Input Override.</p> <p>User Display Interface: Temperature LED Display with dial-type settings and diagnostic indicator lights</p> <p>Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples.</p> <p>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.</p> <p>Safety: Flame Roll-Out Safety Shut-Off (Fuse Link) and Blocked Vent Safety Shut-Off Manual Reset Disc Thermostat (Spill Switch) with Spare Fuse Link included.</p> <p>Other: Assembled Boiler with Insulated Jacket, Integral Draft Diverter, Vent Damper, Combination Temperature/Pressure Gauge, Circulator Pump Wired with 5' Harness for Supply or Return Field Mounting, 3/4" Drain Valve, 30lb. ASME Relief Valve.</p>																								
Options		Natural Gas and Propane (DP) models available, Combustible Floor Plate, Fill-Trol.																								
Certifications		<p style="text-align: center;">Tested for 50 psi ASME Working Pressure</p>																								

All ratings and specifications subject to change.

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