

Oil-Fired Hot Water Boiler

- Up to 86.5% 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.

- HydroLevel 3250 Operating Control

- Digital Temperature Display and Diagnostics
- Adjusts Water Temp. based on demand
- Built-in Low Water Cut Off (LWCO)

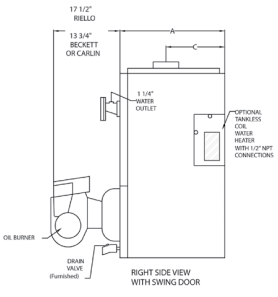


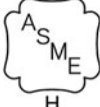

- Optional Tankless Domestic Water Heater Coil

20 Year Limited Heat Exchanger Warranty

Manufactured with pride in the USA



Dunkirk EW Series Oil-Fired Hot Water Boiler

Dimensions/Weights Model	Model	No. of Sec.	Input		Heating Capacity (MBH) (1) (2)	Net AHRI Rating, Water (MBH) (1) (5)	Minimum Chimney Size/ Height	Tankless Coil GPM's	AFUE % (2)																														
			G.P.H. ⁽³⁾	MBH ⁽¹⁾																																			
	3EW.65	3	0.65	91	80	70	8" x 8" x 15'	2.90	86.3%																														
	3EW.75	3	0.75	105	92	80	8" x 8" x 15'	3.00	85.2%																														
	3EW.100	3	1.00	140	120	104	8" x 8" x 15'	3.25	84.0%																														
	4EW.90	4	0.90	126	111	97	8" x 8" x 15'	3.15	86.0%																														
	4EW1.25	4	1.25	175	151	131	8" x 8" x 15'	3.50	85.0%																														
	4EW1.50	4	1.50	210	179	156	8" x 8" x 15'	3.75	84.0%																														
	5EW1.20	5	1.20	168	147	128	8" x 8" x 15'	3.45	86.5%																														
5EW1.75	5	1.75	245	210	210	183	8" x 8" x 15'	4.00	84.3%																														
<p>(1) Mbh = 1,000 BTU per hour [BTU = British Thermal Unit]</p> <p>(2) Heating Capacity based on 13% CO2 with a 0.02" w.c. draft over fire, and a #1 smoke or less. Testing was done in accordance with the D.O.E. (Department of Energy) test procedure.</p> <p>(3) G.P.H. = Gallons per hour oil at 140,000 BTU per gallon</p> <p>(4) A.F.U.E. = Annual Fuel Utilization Efficiency based upon D.O.E. test procedure.</p> <p>(5) Net AHRI Water Ratings 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>General Information (See Installation, Operation and Maintenance Manual for complete instructions)</p> <table border="1"> <thead> <tr> <th rowspan="7">Clearances (6) Required distances measured from boiler. (7) Service, proper operation clearance recommendation.</th> <th colspan="2">Combustible Materials (Required) (6)</th> <th colspan="2">Servicing (7)</th> <th rowspan="7">Flue to Combustible Clearance 9" (22.9 cm)</th> </tr> </thead> <tbody> <tr> <td>Top</td> <td>6" (15.2 cm)</td> <td colspan="2">24" (61 cm)</td> </tr> <tr> <td>Left Side</td> <td>6" (15.2 cm)</td> <td colspan="2">No Requirement</td> </tr> <tr> <td>Right Side</td> <td>24" (61 cm)</td> <td colspan="2">No Requirement</td> </tr> <tr> <td>Base</td> <td>Non Combustible</td> <td colspan="2">No Requirement</td> </tr> <tr> <td>Front</td> <td>24" (61 cm)</td> <td colspan="2">No Requirement</td> </tr> <tr> <td>Back</td> <td>6" (15.2 cm)</td> <td colspan="2">No Requirement</td> </tr> </tbody> </table>										Clearances (6) Required distances measured from boiler. (7) Service, proper operation clearance recommendation.	Combustible Materials (Required) (6)		Servicing (7)		Flue to Combustible Clearance 9" (22.9 cm)	Top	6" (15.2 cm)	24" (61 cm)		Left Side	6" (15.2 cm)	No Requirement		Right Side	24" (61 cm)	No Requirement		Base	Non Combustible	No Requirement		Front	24" (61 cm)	No Requirement		Back	6" (15.2 cm)	No Requirement	
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Connections		Return/Supply Water 1-1/4" NPT																																					
Electrical		120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)																																					
Water Content		3EW – 9.6 Gallons, 4EW – 11.6 Gallons, 5EW – 13.7 Gallons																																					
Standard Equipment		<ul style="list-style-type: none"> Boiler Control Module: Hydrolevel Fuel Smart Hydrostat Control – combination Low Water Cut Off with boiler temperature reset and circulator control. Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples and Swing Door. Combustion: Completely installed and wired Beckett AFG Series Oil Burner (3 & 4 Section F Head; 5 Section MD Head) equipped with Nozzle, Primary Control, CAD Cell, PSC Motor, Interrupted Duty Ignition and Clean Cut Pump; Flue Brush; Swing Fire Door with Insulation (Vacuum Formed Ceramic Fiber), Target Wall (Vacuum Formed Refractory Ceramic Fiber); Dura Blanket Insulation Chamber. Chamber, and Barometric Draft Control 6". Other: Assembled Cast Iron Boiler with Insulated Jacket, Combination Temperature/Pressure Gauge, Circulator Pump wired with 5' harness for supply or return mounting in the field, 3/4" Boiler Drain Valve, 30 psi ASME Relief Valve, extra Boiler Tap for Expansion Tank or Air Elimination. 																																					
Options		Beckett, Carlin or Riello Burner.																																					
Certifications		    <p>Maximum Allowable Working Pressure 50 psi.</p>																																					
Models	Dimensions			Wgt. (lbs.)																																			
	A	B	C																																				
3EW	14-1/2"	6"	8"							470																													
4EW	17-3/4"	6"	9-5/8"							545																													
5EW	21"	6"	11-1/2"	630																																			

All ratings and specifications subject to change.



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