

# Dunkirk® | Q90-200 Series II

Innovative. Efficient. Dependable. Dunkirk.

## Q90-200 Series II

90% AFUE Gas Fired Condensing Hot Water Boiler

- High Efficiency Cast Aluminum Monoblock Heat Exchanger
- Simple Controls
  - Hi-Limit Control
  - Boiler Reset Control economically adjusts boiler water temperature based on thermostat activity
  - Automatic Reset Low Water Cut Off
  - Diagnostic Indicator Lights
- Integrated Microprocessor Control
- Sealed Combustion, Direct Vent Forced Draft System
- Completely installed and wired safety control system includes: Stainless Steel Pre-Mix Gas Burner, Automatic Gas Valve, Hot Surface Igniter, Forced Draft Blower and Air Vent.
- Utilizes Safe, Economical CPVC and PVC Vent Pipe
- Integral Combustible Floor Plate
- Casting Temperature Safety Switch & Air Flow Pressure Switches
- Limited 15 Year Warranty



# Dunkirk Q90-200 Series II Natural or Propane Gas-Fired Condensing Hot Water Boiler

Dimensions/Weights	Model	Boiler Input Rate (MBH) <sup>(1)</sup>	Heating Capacity (MBH) <sup>(1)(2)</sup>	Net AHRI Rating, Water (MBH) <sup>(1)(3)</sup>	AFUE % <sup>(2)</sup>
	Q90-125	125	113	98	90.0
	Q90-150	150	134	117	90.0
	Q90-175	175	158	137	90.0
	Q90-200	200	180	157	90.0
	(1) 1000 Btu/hr (British Thermal Units Per Hour) (2) Heating Capacity and AFUE (Annual Fuel Utilization Efficiency) are based on DOE (Department of Energy) test procedures. (3) Net AHRI Ratings based on piping and pickup allowance of 1.15. Contact Technical Support before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.				
<b>General Information</b> (See Installation, Operation and Maintenance Manual for complete instructions)					
	<b>Clearances</b> (4) Required distances measured from boiler. (5) Service, proper operation clearance recommendation. Note: May be installed on combustible flooring (No Carpets).	Top	1" (2.54 cm)	8" (20.3 cm)	
		Left Side	8" (20.3 cm)	24" (61.0 cm)	
		Right Side	1" (2.54 cm)	-	
		Base	1" (2.54 cm)	-	
		Front	0" (0 cm)	24" (61.0 cm)	
		Back	1" (2.54 cm)	-	
		Combustion Air/Vent Piping	0" (0 cm)	-	
		Hot Water Piping	1" (2.54 cm)	-	
	<b>Combustion Air &amp; Vent Pipe Equivalent Length</b>	Min. & Max. Vent Lengths - refer to the Installation Manual based on Natural or Propane Gas and Altitude. Vent Pipe - First 5' (1.6 m) is Schedule 80 2" CPVC (provided), then Schedule 40 2" or 3" PVC. Air Intake - Schedule 40 3" PVC <b>Notes:</b> 1 - 90° Elbow = 5 Ft. (1.6 m), 1 - 45° Elbow = 3.5 Ft. (1.1 m), 1 - 2" x 3" Adapter = 0 Ft. (0 m), Concentric Vent Kit = 5 Ft. (1.6 m) equivalent length.			
		<b>Connections</b>	Return/Supply Water	Gas In	Condensate Drain
125/150/175/200			1-1/4" NPT	1/2" NPT	1/2" PVC
<b>Electrical</b>		120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)			
<b>Water Content</b>		125/150/175/200 - 2.6 Gallons			
<b>Standard Equipment</b>		Boiler Control Module: Integrated Microprocessor Control, Hi-Limit Control, Boiler Reset Control, Automatic Reset LWCO, Diagnostic Indicator Lights. Heat Exchanger: Cast Aluminum Monoblock. Combustion: Completely installed and wired safety control system with Stainless Steel Pre-Mix Gas Burner, Automatic Gas Valve, Hot Surface Igniter, Forced Draft Blower, Air Vent. Electrical: Transformer, Service Switch & Outlet. Other: Assembled boiler with pre-painted steel jacket, Combination Temperature/Pressure Gauge, 30 psi ASME Relief Valve, Casting Temperature Safety Switch, Air Flow Pressure Switches, Boiler Drain.			
<b>Model</b>	<b>Ship Wgt.</b>	<b>Options</b> Taco or Grundfos Circulator			
Q90-125	284 lbs. (128.8 kg.)	<b>Certifications</b> 			
Q90-150	284 lbs. (128.8 kg.)				
Q90-175	284 lbs. (128.8 kg.)				
Q90-200	284 lbs. (128.8 kg.)				
Q90-200	284 lbs. (128.8 kg.)				

All ratings and specifications subject to change.

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Contractor Assistance: 800.325.5479



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