

# The ECR 97gb



**97% Efficient, 100% Easy to Install**

## The ECR 97gb

Condensing Hot Water Boiler

We've combined the flexibility a professional needs for installation with the affordable energy solutions and efficiency homeowners want.

- Top and bottom connections for easy match up to existing piping
- Optional space-saving wall or conventional floor-mount installation
- The ease of a built-in pump – eliminating the time and expense of adding one for most applications

But don't be fooled by its compact, lightweight design. The ECR 97gb delivers one of the industry's highest efficiencies, with 97% AFUE for long-term energy savings and comfort.

Another way we're bringing Innovative Living to our customers.



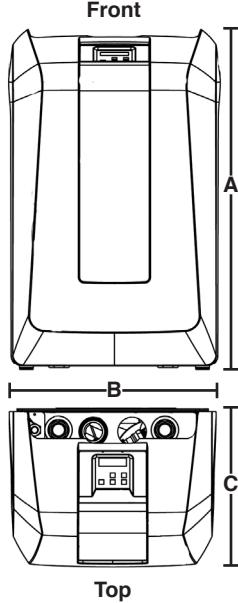






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# ECR 97gb Natural or Propane Gas-Fired Condensing Hot Water Boiler

Dimensions/Weights	Model	Boiler Input Rate (MBH) <sup>(1)</sup>		Heating Capacity (MBH) <sup>(1)(2)</sup>	Net I=B=R Rating, Water (MBH) <sup>(1)</sup>	AFUE % <sup>(2)</sup>	
		Max.	Min.				
 <p><b>Front</b></p> <p><b>Top</b></p> <p><b>Dimensions</b>                      Height (A): 35 5/8" (905 mm)                      Width (B): 22 1/16" (560 mm)                      Depth (C): 16 3/16" (411 mm)</p> <p><b>Weights</b>                      Ship Wgt.:140 lbs. (63.5 kg)                      Boiler Wgt.:115 lbs. (51.2 kg)</p>	ECR075	75	15	69	60	97.0	
	ECR100	100	20	91	79	97.0	
	(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.						
	<b>General Information</b> (See Installation, Operation and Maintenance Manual for complete instructions)						
	<b>Flooring</b>	May be installed on Combustible flooring (No Carpets)					
	<b>Clearances</b>		<b>Combustible Materials (Required)</b>		<b>Service*</b>		
		Top	0" (0 cm)		14" (36 cm)		
		Left Side	6" (15 cm)		6" (15 cm)		
		Right Side	0" (0 cm)		1 1/2" (4 cm)		
Front		0" (0 cm)		6" (15 cm)			
Back		0" (0 cm)		0" (0 cm)			
Bottom		0" (0 cm)		0" (0 cm) Floor Mount 12" (30 cm) Bottom Piped			
Combustion Air/Vent Piping		0" (0 cm)		6" (15 cm)			
Hot Water Piping		1/2" (1.3 cm)		6" (15 cm)			
All distances measured from the boiler. *Service clearance recommended only - not required).							
<b>Combustion Air &amp; Vent Length Piping (Schedule 40 PVC)</b>		<b>2" Pipe Equivalent Ft. (m)</b>		<b>3" Pipe Equivalent Ft. (m)</b>			
	Min. Length	6 Ft. (1.8 m)		6 Ft. (1.8 m)			
	Max. Length	60 Ft. (18.3 m)		100 Ft. (30.4 m)			
<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)							
<b>Connections</b>	Return/Supply Water: 1-1/4 NPT	Gas In: 1/2 NPT		Condensate Drain: 1/2" PVC			
<b>Electrical</b>	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) (om)						
<b>Water Content</b>	1.1 Gallons						
<b>Standard Equipment</b>	<b>Mounting Floor/Wall: Leveling Legs and Wall Bracket both included.</b> <b>Boiler Control Module: Automatic Low Voltage/Intermittent Power Reset. Controls up to 16 boilers for multiple boiler applications.</b> <b>User Display Interface: Easy programming with text display. Remote mount option utilizes standard thermostat conductor wiring.</b> <b>Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass. Built-in Primary/Secondary Manifold Piping and Pump.</b> <b>Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Burner, Direct Spark Igniter, Flame Sensor and LP Conversion Kit included.</b> <b>Electrical: Detachable Low Voltage Terminal Strip, High Voltage Junction Box, Transformer, Lighted Power Switch and Auxiliary Service Power Outlet.</b> <b>Other: Low Water Cutoff with test feature, 30 PSI Safety Relief Valve, Boiler Drain Valve and Condensate Drain with built in trap.</b>						
<b>Options</b>	Central Heating Pump (Taco 007 or Grundfos UP15-42F)						
<b>Accessories</b>	Concentric Vent Kit (2" and 3"), System Sensor (For Multiple Boiler Applications), Computer Interface						
<b>Certifications</b>	     						

Due to ongoing product development, specifications are subject to change without notice.