



COLUMBIA®

KEEPING FAMILIES  *WARM SINCE 1936*

MCB II / MCC

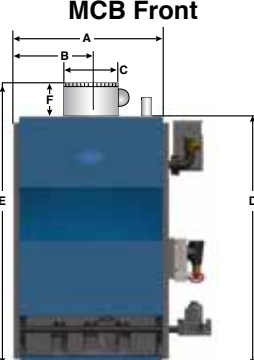

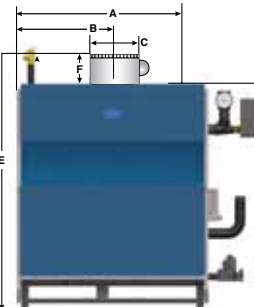




Up to 83.9% AFUE Gas Fired Hot Water Boiler

- Available in 9 sizes from 50 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.
- Hydrolevel 2012 Compliant High Limit Control with Digital Temperature Display.
 - Control automatically adjusts water temperature for maximum efficiency.
 - Built in Low Water Cut Off monitors water level to ensure safe operation.
- Atmospheric Chimney Vent Boiler with Integral Draft Hood and Automatic 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.
- Limited Lifetime Warranty (Residential Applications).
- Made in the USA.



MCB Model Shown

Columbia MCB Series II & MCC Series Gas Fired Hot Water Boiler

Dimensional Diagram	Model	Input Rate (MBH) ⁽¹⁾	Heating Capacity (MBH) ⁽¹⁾	Net AHRI Rating, Water (MBH) ⁽²⁾	Net Rating Sq. Ft. HW @170°	No. of Burners	AFUE %			
 <p>MCB Front</p>	MCB-50J	50	42	37	246	1	83.5%			
	MCB-75J	75	63	55	365	2	83.1%			
	MCB-100J	100	83	72	480	2	83.0%			
	MCB-125J	125	104	90	600	3	82.0%			
	MCB-150J	150	124	108	713	3	83.0%			
	MCB-170J	170	139	121	806	4	82.0%			
	MCB-200J	200	165	143	953	4	82.0%			
	MCC-8D/DP*	262/245	220/206	191/179	1273/1193	7	83.9%			
	MCC-9D/DP*	299/280	251/235	218/204	1453/1360	8	83.7%			
	<p>*D=Natural Gas, DP=LP Gas The MCC has distinct input rates for Natural and LP gas versions. 8D/9D rates shown are for Natural gas. 8DP/9DP rates are for LP gas. (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. (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. 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>									
General Information (See Installation, Operation and Maintenance Manual for complete instructions)										
 <p>MCB Side</p>	<p>Clearances (3) Required distances measured from boiler. *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>	Combustible Materials (Required) ⁽³⁾								
				MCB	MCC					
		Top	18" (457 mm)		6" (152 mm)					
		Left Side	3" (76mm)		6" (152 mm)					
		Right Side (Control Side)	9" (229 mm)		7" (178 mm)					
		Front	Alcove*		18" (457 mm)					
		Back	4" (102 mm)		6" (152 mm)					
		Flue Connector	6" (152 mm)		6" (152 mm)					
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	50 - 2.4 Gallons, 75/100 - 4.0 Gallons, 125/150 - 5.6 Gallons, 170/200 - 7.2 Gallons, 262.5 - 12.7 Gallons, 299 - 14.4 Gallons									
 <p>MCC Front</p>	Dimensions/Weights	Model	A	B	C	D	E	F	Weight	
		MCB-50J	11-1/8"	5-1/2"	4"	30-3/4"	36-1/4"	5-3/4"	205 lbs.	
		MCB-75J	15"	7-1/2"	5"	30-3/4"	37-3/4"	5-3/4"	253 lbs.	
		MCB-100J	15"	7-1/2"	6"	30-3/4"	37-1/4"	6"	253 lbs.	
		MCB-125J	18-7/8"	9-1/2"	6"	30-3/4"	37-1/4"	6"	315 lbs.	
		MCB-150J	18-7/8"	9-1/2"	7"	30-3/4"	37-3/4"	6-3/4"	315 lbs.	
		MCB-170J	22-3/4"	11-1/2"	7"	30-3/4"	38-3/4"	6-3/4"	377 lbs.	
		MCB-200J	22-3/4"	11-1/2"	8"	30-3/4"	38-3/4"	7-3/4"	377 lbs.	
		MCC-8D/DP	27-1/2"	13-3/4"	7"	36-3/8"	43-1/8"	6-3/4"	552 lbs.	
		MCC-9D/DP	30-3/4"	15-3/8"	7"	36-3/8"	43-1/8"	6-3/4"	616 lbs.	
Standard Equipment	Boiler Control Module: Hydrolevel 2012 Compliant High Limit Control with Digital Temperature Display. User Display Interface: Digital Temperature Display Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples. Combustion: Stainless Steel Main Gas Burners (MCB)/Titanium Composite Burners (MCC), Combination 24 Volt Gas Control (Includes: Automatic Gas Valve, Gas Pressure Regulator, Automatic Pilot, Safety Shutoff, Pilot Flow Adjustment, Pilot Filter), Intermittent Pilot Control, Continuous Retry, Combination Pilot Burner/Electrode/Flame Sensor. Safety: Spill Switch and Roll-Out Switch for safety (MCB)/Flame Roll-Out Safety Shut-Off (Fuse Link) (MCC), Automatic Vent Damper and Low Water Cut Off. Other: Insulated Boiler Jacket, Integral Draft Diverter, Combination Temperature/Pressure Gauge, Circulator, 3/4" Drain Valve, 30lb. ASME Relief Valve.									
Options	Available in both natural gas or propane models. LP Conversion Kit, Combustible Floor Plate, Fill-Trol.									
Certifications	    <p style="font-size: small; text-align: center;">C.S.A. Certified For Natural Gas Or Propane Tested for 100 psi (MCB) / 50 psi (MCC) ASME Working Pressure</p>									

All ratings and specifications subject to change.

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