

Brute™ Elite Wall Mounted Combi

Indoor 125,000 BTU/Hr.
95 % AFUE



The unit will be designed and constructed in accordance with the ASME Boiler and Pressure Vessel Code Section IV requirements for 160 psi working pressure. The units will bear the ASME "H" stamp and be registered by the National Board.



12-Year Limited Heat Exchanger Warranty / 2-Year Limited Warranty on Component Parts.

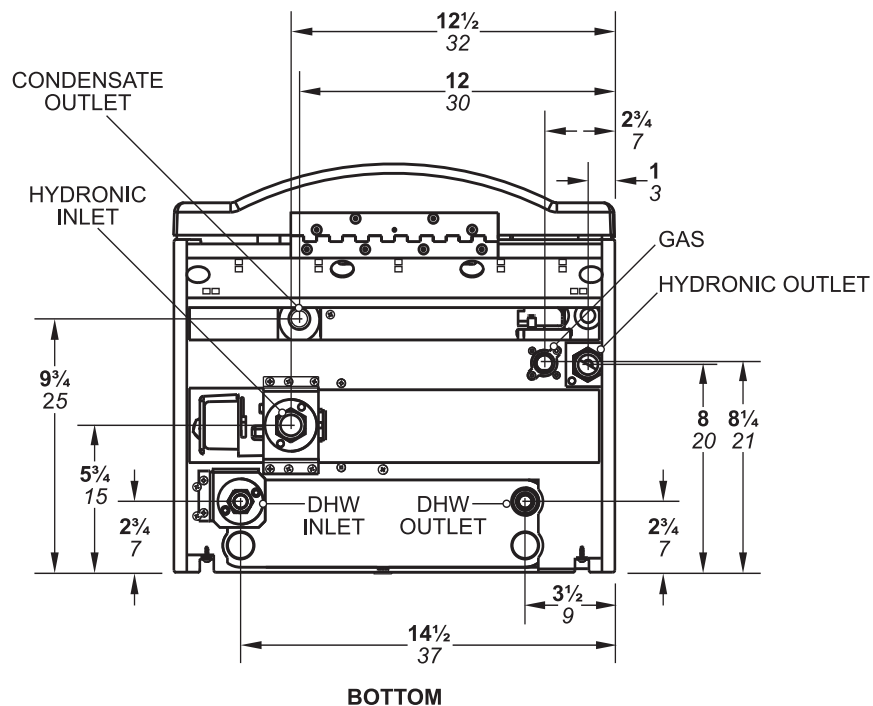
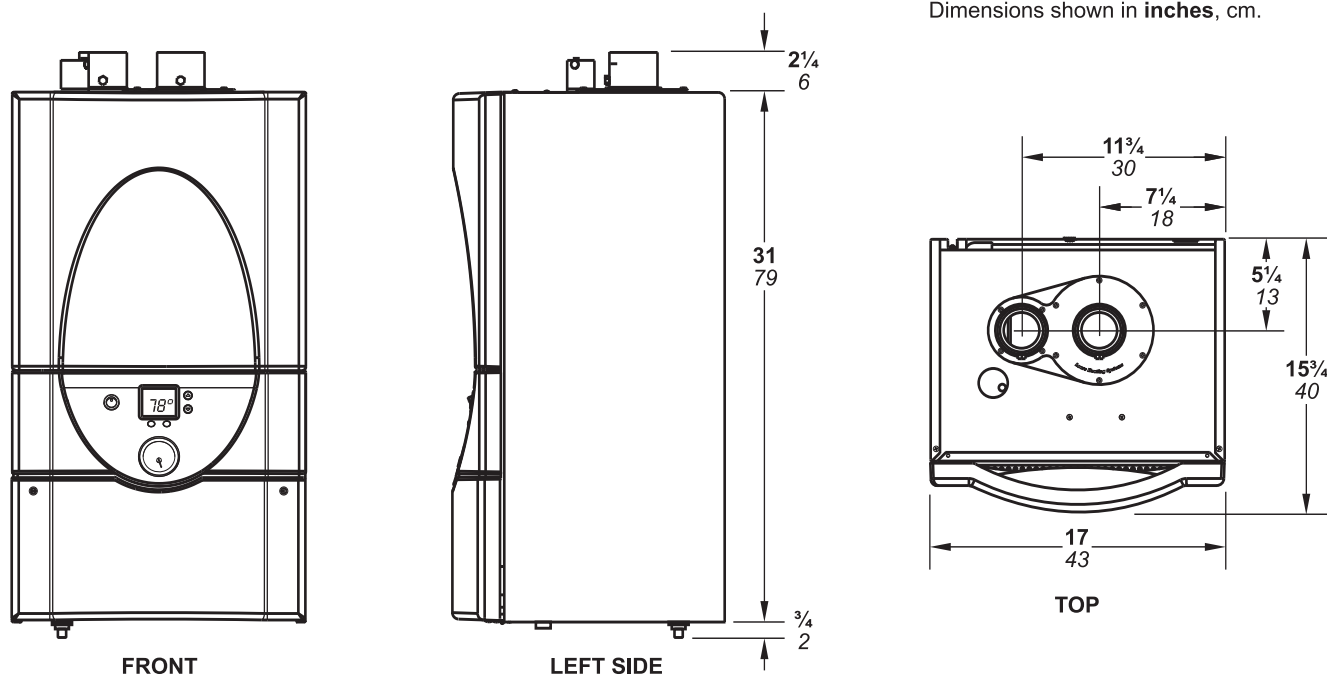
For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 6,442,178; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012.

Brute™ Elite Wall Mounted Combi - 125,000 BTU/Hr.

Dimensions shown in inches, cm.



Brute™ Elite Wall Mounted Combi Specifications

Sizing Data

Model Number	Input		Output		DHW Output @ 75°F Rise GPM	AFUE %	Gas Conn. NPT		Water Conn. NPT		Shipping Weight	
	BTU/Hr.	kW	BTU/Hr.	kW			in.	mm.	in.	mm.	lbs.	kg.
BLMC-125	125,000	36.6	121,250	35.5	3.1	95.0	1/2	13	3/4	19	100	45

For other boiler ratings:

$$\text{Boiler Horsepower: HP} = \frac{\text{Output}}{33,475} \quad \text{Radiation Surface: EDR SQ. Ft.} = \frac{\text{Output}}{150}$$

Clearances

Appliance Surface	Suggested Service Access Clearance	
	in.	mm.
Left Side	6	152
Right Side	6	152
Top	6	152
Closet, Front	6	152
Front	24	610
Bottom	24	610
Vent	1	25

Certified by CSA for zero clearance to combustible materials on all sides.

Vent System

Max. Equivalent* Vent and Air Pipe Length (each intake and each exhaust)

Model Number	Standard Dia.		Optional Dia.		Max. Allowable Length	
	in.	mm.	in.	mm.		
BLMC-125	2	51	3 / 5	76 / 127	40 ft.	30 m.

Intake (air) pipe may be ABS, PVC, CPVC or galvanized material.

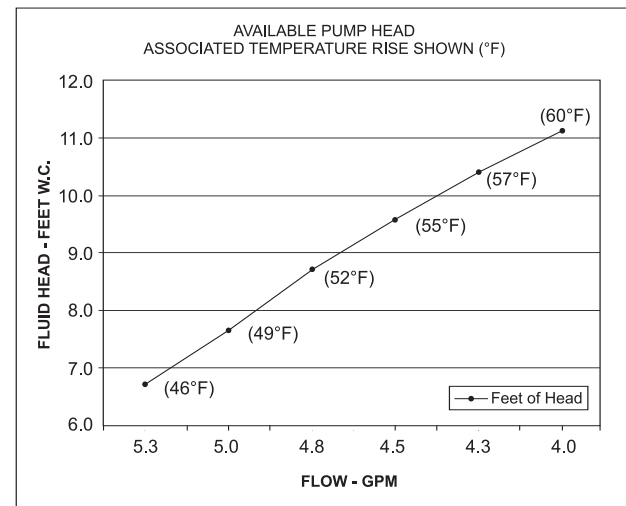
Installations in the U.S. require exhaust vent pipe that is a combination of PVC & CPVC complying with ANSI/ASTM D1785 F441, polypropylene pipe that conforms with ULC S636, or stainless steel complying with UL1738. Installations in Canada require exhaust vent pipe that is certified to ULCS636.

Installer must comply fully with manufacturer's installation instructions, including use of minimum exhaust length CPVC, to maintain ANSI Z21.13 safety certification.

Closet and alcove installations do not allow the use of PVC under any circumstances

*To calculate max equivalent length, measure the linear feet of the pipe, and add 5 feet (1.5m) for each elbow used.

Water Flow Requirements



Recovery Data

GPM	Estimated Maximum Inlet Temperature Rise (°F)		
	50°F	60°F	70°F
0.5	100	90	80
1.0	95	85	75
1.5	90	80	70
2.0	85	75	65
2.5	78	70	60
3.0	70	62	55
3.5	60	55	50

Electrical Data

Models	Boiler (includes pump)		
	Volts	Phase	Amps
BLMC-125	120	Single	1.5

Minimum 15A circuit required.

STANDARD CONFIGURATION

1 2 3 B L M	4 ☐	5 6 7 ☐ ☐ ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐
SERIES	USAGE	SIZE	FUEL	ALTITUDE	REVISION	OPTIONS	PUMP CODE
	C = Combi (Heating & DHW)	1 2 5	N = Natural	A = 0'-10,000'	1 = Rev. 1	X = Standard	X = Includes Pump
	H = Heating Only		P = Propane			L = Low Water Cutoff	

OPTIONAL CONFIGURATION

Brute™ Elite Wall Mounted Combi Specifications

Standard Features

- High condensing efficiency
- Modulation down to 20% of full fire (5:1 turndown)
- Sealed combustion chamber
- Pre-mix stainless steel burner
- Low NOx system exceeds the most stringent regulations for air quality - 10 ppm NOx
- Horizontal and vertical direct vent
- Vent and air pipe lengths of up to 40 equivalent feet (each)
- Horizontal vent and air terminals
- Stainless steel heat exchanger with welded construction (no gaskets)
- ASME 30 psi (207 kPa) working pressure heat exchanger
- ASME "H" stamp
- 30 psi (207 kPa) ASME pressure relief valve
- Stainless Steel brazed-plate DHW heat exchanger with priority for on-demand hot water
- Boiler pump, wired and mounted inside jacket
- Built-in condensate trap and drain, priming not required
- Automatic air vent
- Temperature & pressure gauge
- Boiler water pressure switch
- Blocked vent pressure switch
- Blocked condensate pressure switch
- Burner site glass
- Electronic PID modulating control
- Direct spark ignition
- Multiple pump control for boiler pump and system pump, each with delay
- Large user-interface and display
- Alarm output
- Accepts external (4-20mA or 0-10VDC) modulation signal
- Outdoor reset (sensor included)
- Vent temp auto turn-down before lockout
- Manual reset high limit
- Lighted on/off toggle
- Wall mount template
- Field convertible between natural gas and propane
- Zero clearance to combustible surfaces
- 12-Year limited warranty

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



Ambler, PA

For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

International: Telephone 215-641-9400 • Telefax 215-641-9750 / www.bradfordwhite.com

 **BRADFORD WHITE-CANADA** INC. Sales / Technical Support 866-690-0961 / 905-238-0100 • Fax 905-238-0105 / www.bradfordwhite.com

Built to be the Best™

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