

# GB142

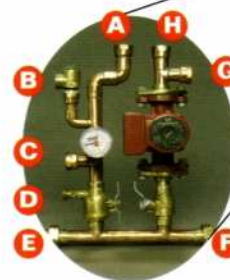
## Ultra Efficient 94+ Wall-Hung Boiler

The state-of-the-art design of the GB142, with cast aluminum heat exchanger and integrated controls, is a rare combination of outstanding quality paired with exceptional value. Utilizing advanced condensing technology, the Buderus GB142 Wall-Hung Boiler maximizes the heating value of every cubic foot of natural gas or liquid propane. All GB142 Boilers now come with the AM10 outdoor reset module. The small size and minimal clearance requirements of the GB142 Boiler provide tremendous installation flexibility.



- 1 Vent & Combustion Air Connectors
- 2 Heat Exchanger
- 3 Silencer
- 4 Burner Control
- 5 Control Panel
- 6 Combustion Gas-Air Connection

Thanks to the prefabricated manifold, the GB142 Boiler has the fastest installation in the industry. Specially designed with an appropriately sized circulator, this manifold ensures proper flow-rate through the unit. This feature greatly extends the service life of the GB142. By simplifying the piping, the GB142 manifold allows for quicker, easier, and trouble-free installation.



- A Heater Out
- B Relief Valve
- C DHW Supply
- D Purge
- E System Supply
- F System Return
- G DHW Return
- H Heater In



### GB142 Specifications

Model	GB142/24	GB142/30	GB142/45	GB142/60*
<b>Performance Data</b>				
Rated Input (BTU/Hr)	84,800	106,000	160,900	214,800
Rated Output (BTU/Hr)				
(176° / 140° F)	22,700-75,200	28,100-91,500	42,500-142,000	56,800-176,300
(122° / 86° F)	25,300-83,300	30,700-102,400	47,200-158,000	63,200-196,600
AFUE Efficiency %	95	94.8	95	95
Flue Gas Temperatures (°F)				
(176° / 140° F)	155	167	151	151
(122° / 86° F)	100	100	97	97
CO <sub>2</sub> Content at Full Load 100% (ppm)	9.2	9.2	9.2	9.2
Rated Emission Factor (ppm) NO <sub>x</sub>	24	23	23	22
Max Equivalent Vent Length (Ft.)	100	100	100	60
<b>Piping Connections</b>				
Venting Material	PVC	PVC	PVC	PVC
Vent Pipe Diameter	3"	3"	3"	3"
Air Intake Diameter	3"	3"	3"	3"
Boiler Supply Connection	1"	1"	1"	1"
Boiler Return Connection	1"	1"	1"	1"
System Supply	1"	1"	1 ½"	1 ½"
System Return	1"	1"	1 ½"	1 ½"
<b>Piping Connections</b>				
Height	28"	28"	28"	28"
Width	22"	22"	35 ½"	35 ½"
Depth	18 ¾"	18 ¾"	18 ¾"	18 ¾"
Weight (lbs.)	110	110	143	158
Water Content (gallons)	.65	.65	.93	1.2



MAP # G1-0606-22  
MEA # 229-05-E

\* Available only in Natural Gas

## Buderus

Bosch Thermotechnology Corp.  
50 Wentworth Avenue  
Londonderry, NH 03053  
Tel: (603) 552-1100  
Fax: (603) 584-1681

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