

GB142

Ultra Efficient 94+ Wall-Hung Boiler

Buderus

Bosch Group



Eligible for
\$1500
U.S. Tax Credit

The Newest Technology from the World's Leader in Ultra-Efficient Heating.

- 94%+ AFUE Efficiency
- Whisper Quiet - Fully Enclosed Housing
- NG or LP Fired
- Direct Vent and Sealed Combustion Options
- Simple Installation with Pre-Piped Boiler Manifold
- AM10 Outdoor Reset Control Module Included
- 4 Models with Inputs from 84,800 to 214,800 BTU/Hr

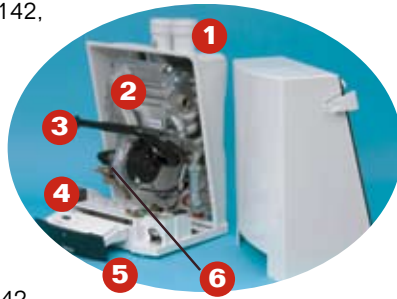
Comfortable. Efficient. Intelligent Heating.

GB142: Ultra Efficient 94+ Wall-Hung Boiler

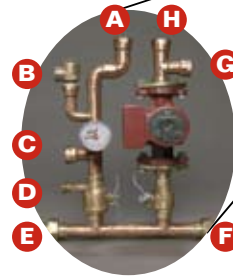
The state-of-the-art design of the GB142, with cast aluminum heat exchanger and integrated controls, is a rare combination of outstanding quality paired with exceptional value. Utilizing advanced condensing technology, the Buderus GB142 Wall-Hung Boiler maximizes the heating value of every cubic foot 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.

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.



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



- 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*
Performance Data				
Rated Input (BTU/Hr)	84,800	106,000	160,900	214,800
Rated Output (BTU/Hr) (176° / 140° F) (122° / 86° F)	22,700-75,200 25,300-83,300	28,100-91,500 30,700-102,400	42,500-142,000 47,200-158,000	56,800-176,300 63,200-196,600
AFUE Efficiency %	95	94.8	95	95
Flue Gas Temperatures (°F) (176° / 140° F) (122° / 86° F)	155 100	167 100	151 97	151 97
CO ₂ Content at Full Load 100% (ppm)	9.2	9.2	9.2	9.2
Rated Emission Factor (ppm) NO _x	24	23	23	22
Max Equivalent Vent Length (Ft.)	100	100	100	60
Piping Connections				
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"	1½"	1½"
System Return	1"	1"	1½"	1½"
Piping Connections				
Height	28"	28"	28"	28"
Width	22"	22"	35½"	35½"
Depth	18¾"	18¾"	18¾"	18¾"
Weight (lbs.)	110	110	143	158
Water Content (gallons)	.65	.65	.93	1.2



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