

# GB142

## Ultra-Efficient 94+ Wall-Hung Boiler

# Buderus



## 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 BTUH

**Comfortable. Efficient. Intelligent Heating.**

ESTABLISHED 1731

**275**  
YEARS

Buderus

# GB142

## Ultra-Efficient 90+ Wall-Hung Model

Specifications	GB142	24	30	45	60*
Rated Input BTUH		84,800	106,000	160,900	214,800
Rated Output BTUH	(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 %		95	94	95	95
Max Equivalent Vent Length	Feet	100	100	100	60
Flue Gas Temperatures °F	(176°/140° F)	155	167	151	151
	(122°/86° F)	100	100	97	97
CO2 Content at Full Load 100 % ppm		9.2	9.2	9.2	9.2
Rated Emission factor (ppm) NOX		24	23	23	22
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"	1.5"	1.5"
System Return		1"	1"	1.5"	1.5"
Boiler Dimensions	Height	28.0"	28.0"	28.0"	28.0"
	Width	22.0"	22.0"	35.5"	35.5"
	Depth	18 3/4"	18 3/4"	18 3/4"	18 3/4"
Weight		110 lbs	110 lbs	143 lbs	158 lbs
Water Content		.65 gal	.65 gal	.93 gal	1.2 gal

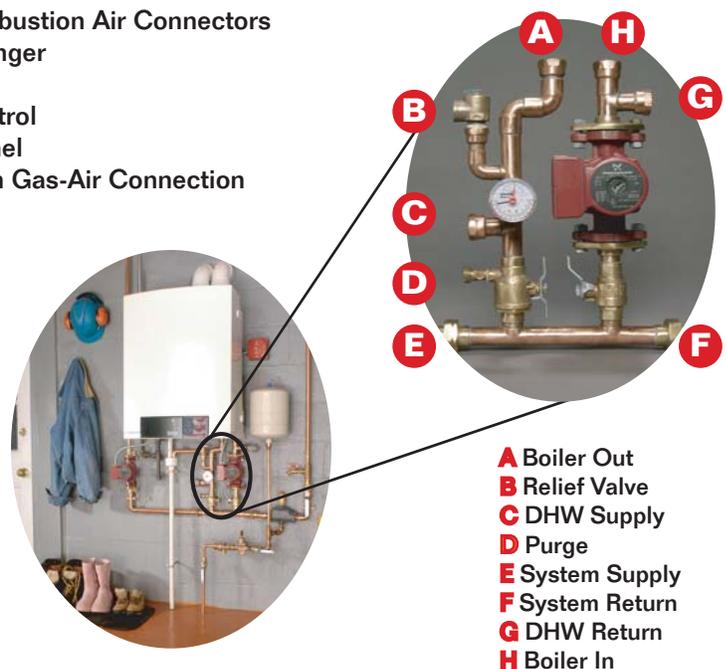
\*Only available in Natural Gas



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

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 propane. All GB142 Boilers now come with the AM10 outdorr 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 GB manifold allows for quicker, easier, and trouble-free installation.



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

MAP # 229.05.E  
MEA # 229-05-E



# Buderus

BBT North America Corporation  
50 Wentworth Ave  
Londonderry, NH 03053  
Tel: (603) 552-1100  
Fax: (603) 584-1681

Subject to change without notice  
© 2006 Buderus  
44499007 01/07

www.buderus.net