



WALL-MOUNTED GAS CONDENSING BOILER

Outstanding performance, reliability and comfort

VITODENS 200-W, B2HA



Efficient and reliable
gas-fired wall-mounted
condensing boiler

B2HA – 285 to 530 MBH

▶ The Vitodens 200-W, B2HA offers outstanding performance, reliability and comfort for residential or commercial applications. ▶



The Vitodens 200-W, B2HA is your efficient and environmentally-friendly choice for a massive range of applications. The low-emission MatriX cylinder burner guarantees clean, low-NOx combustion, while Lambda Pro ensures the highest efficiency at all times.

Efficient by design

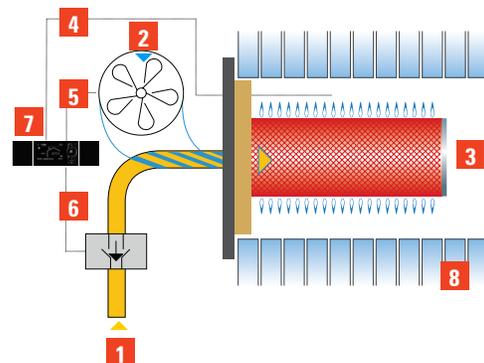
At the core of the Vitodens 200-W, B2HA are the Viessmann stainless steel Inox-Radial heat exchanger and MatriX cylinder burner. Together, they allow the greatest amount of heat extraction to be achieved with minimal loss.

Intelligent combustion system

The Vitodens 200-W, B2HA is optimized for maximum performance with the intelligent Lambda Pro combustion management system, which adapts combustion to changing gas qualities and operating conditions automatically. This unique function becomes increasingly important as gas supplies vary in quality and heating value.

What is Lambda Pro?

By continuously monitoring the flame quality of the MatriX cylinder burner, the Lambda Pro combustion management system automatically adjusts the gas and combustion air ratio. Without any manual adjustments or conversions, the Vitodens 200-W, B2HA always maintains optimal performance.



- | | |
|--------------------------|----------------------|
| 1 Gas supply | 5 Air signal |
| 2 Combustion air | 6 Gas signal |
| 3 MatriX cylinder burner | 7 Vitotronic control |
| 4 Flame signal | 8 Heat exchanger |

VITODENS 200-W, B2HA

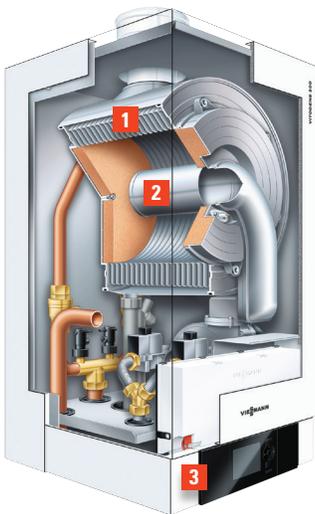
285-530 MBH

Your environmental choice

The Vitodens 200-W, B2HA is your efficient and environmentally-friendly choice for all applications. The low-emission MatriX cylinder burner guarantees clean, low-NOx combustion, while Lambda Pro ensures the highest efficiency at all times. With the Vitodens 200-W, B2HA, you can actively contribute to protecting the environment – and your wallet – without compromising your warmth and comfort.

Strength in numbers

As many as eight Vitodens 200-W, B2HA gas-fired condensing boilers can be combined in a single prefabricated cascade system, with inputs up to 4240 MBH. As a cascade system, the boilers are staged to meet fluctuating heating demands, it maintains maximum efficiency by precisely matching the load. A cascade system can also prevent interruption of heating plant operation, with multiple boilers available for back-up.



VITODENS 200-W, B2HA

- 1 Innox-Radial heat exchanger
- 2 Modulating MatriX cylinder burner
- 3 Vitotronic 200 control with graphic user interface

BENEFITS AT A GLANCE

- + Best value in its class with new industry-leading technology
- + 5 models from 285 to 530 maximum MBH input (single-boiler installation)
- + Low-emission combustion for environmentally-friendly operation
- + Intelligent Lambda Pro gas management system automatically adjusts to different gas qualities for optimum efficiency and performance
- + Modulation ratio up to 5:1 ensures extremely high efficiency
- + Flexibility of different venting pressure zones with combined lengths of up to 131 ft.
- + Common venting up to four boilers*
- + Suitable for altitude levels up to 10,000 ft/3000m.

* In accordance with local codes and regulations of authorities having jurisdiction

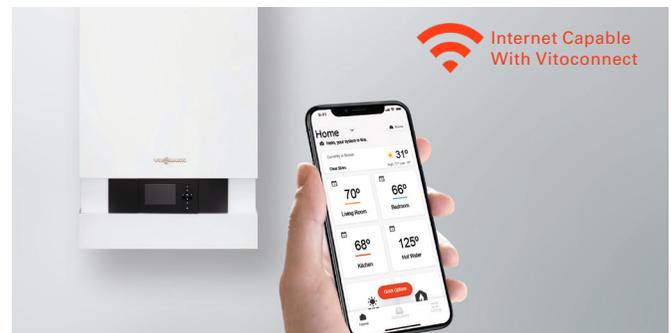


Up to 8 Vitodens 200, B2HA units can be cascaded for inputs up to 4240 MBH

Award winning control unit

The intuitive Viessmann made Vitotronic 200, HO1B control manages the entire heating system and maintains economical performance and maximum comfort for your home at all times. The user-friendly, menu-driven control is capable of displaying multi-line text and graphics on a back-lit display 70% larger than those of comparable units. The high contrast, monochrome display offers excellent readability, even under poor lighting conditions.

You're always in control with the ViCare App. As part of Viessmann's Digital Solutions, ViCare allows you to remotely control your Vitodens 200, B2HA, anywhere from your smartphone or tablet (when used with Vitoconnect).



Always be in control with Viessmann's Digital Solutions



Vitotronic 200 control with Setup Wizard



Innox-Radial Heat Exchanger

Quality Guaranteed

Warranty information is available at www.viessmann-us.com/warranty

Technical Information

VITODENS 200-W, B2HA

Viessmann Manufacturing
Company Inc.
Warwick, RI, 02886
1-800-288-0667
viessmann-us.com

Model		B2HA 285	B2HA 311	B2HA 352	B2HA 399	B2HA 530
Min. Input (NG)*	MBH	71	71	71	113	113
Max. Input (NG)*	MBH	285	311	352	399	530
NET AHRI Rating (MBH)	MBH	226	254	286	323	426
AFUE	%	92	-	-	-	-
Thermal Efficiency**	%	-	94.5	94.5	93.9	93.5
Dimension						
Width	in.	19	19	19	23 ^{5/8}	23 ^{5/8}
Height	in.	43 ^{1/2}	43 ^{1/2}	43 ^{1/2}	44 ^{1/2}	44 ^{1/2}
Depth	in.	21	21	21	27.1	27.1
Weight	lbs.	194	194	194	298	298
Boiler Water Content	USG	3.4	3.4	3.4	4.0	4.0
Heat Exchanger Surface Area	ft ²	28.88	28.88	28.88	36.78	36.78
Max. Operating Pressure	psig	60	60	60	80	80
	bar	4	4	4	5.5	5.5
Min. Gas Supply Pressure						
Natural Gas	"w.c.	4	4	4	4	4
Liquid Propane Gas	"w.c.	10	10	10	10	10
Boiler Water Max. Temp.						
Space Heating (steady state)	°F	185	185	185	185	185
DHW Production	°F	185	185	185	185	185
Fixed High Limit	°F	210	210	210	210	210
Boiler Connections						
Boiler heating supply and return	NPTM"	1 ^{1/2}	1 ^{1/2}	1 ^{1/2}	2	2
Pressure relief valve	NPTF"	3/4	3/4	3/4	3/4	3/4
Drain valve	male thread	3/4	3/4	3/4	3/4	3/4
Boiler supply / return for indirect-fired DHW storage tank (field supplied)	NPT"	1 ^{1/2}	1 ^{1/2}	1 ^{1/2}	2	2
Gas valve connection	NPTF"	1	1	1	1	1

*Input based on natural gas

** ANSI Z21.13/CSA 4.9

