WALL-MOUNTED GAS CONDENSING BOILER

Advanced Technology and Performance Ideal for Residential or Commercial Applications

VITODENS 200-W



Built for the future

The future-proof solution to today's boiler problems. Get the ultimate peace of mind with the Vitodens 200-W.

With the industry's first intelligent combustion management system, the Vitodens 200 offers the highest levels of performance, reliability, and comfort.



The Vitodens 200-W offers the best value in its class with new industry-leading technology and the most standard features

The Vitodens 200-W, B2HE wall mounted gas condensing boiler delivers ultra-quiet performance, efficiency and comfort. Controlled on-demand through the most responsive controls system in the industry, the Vitodens 200-W, B2HE is equipped with an intelligent combustion management system.

Its compact design, zero clearance to combustibles and extremely quiet operation make the Vitodens 200-W an ideal choice for every mechanical room, even those adjacent to living spaces. Plus, with a limited residential lifetime warranty, you can be sure your investment will deliver long-lasting value.

Outstanding versatility for any application
The Vitodens 200-W offers the right solution for every heating demand, including multiple venting options, fuel flexibility (natural gas or liquid propane), and WiFi connectivity right out of the box. Featuring industry leading controls capable of simultaneously operating up to four heating circuits and three thermostat zones with individual heating curves, it offers unmatched efficiency and comfort.

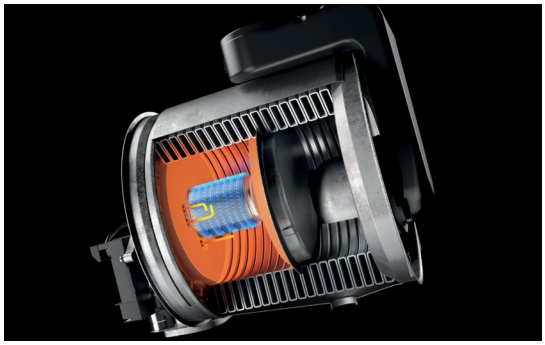
Up to 15 Vitodens 200-W, B2HE units can be combined in a single cascade system - meeting inputs from 85 to 2985 MBH- utilizing the integrated cascade controller, standard on each unit.

Easy installation and maintenance
Fast installation and reduced maintenance come standard with Lambda Pro Plus, the industry's first intelligent combustion management system. It adjusts automatically to multiple vent options and lengths, gas type and quality right out of the box; no special tools, accessories or dip switches required.

For quick and easy commissioning, installers can use either the Vitoguide app or the onboard guided assistant, which prompts the installer for all relevant setup information. Both methods offer all the benefits of advanced configuration with none of the complexities.

Savings and peace of mind, anywhere
The Vitodens 200-W offers an integrated WiFi interface, which allows the system to connect directly to the internet for seamless integration with the ViCare App for smartphone or tablet. Once connected, ViCare offers a range of homeowner tools, including remote operation of your boiler, DHW scheduling and temperature control, visualized fuel usage and cost-savings, and the peace of mind that your home's heating is up and running, no matter where you are.

MatriXPlus Burner: ultra efficient, clean combustion
The Viessmann-made modulating MatriXPlus cylinder burner offers extremely clean combustion with up to a 14:1 turndown ratio, and reduced emissions (Low NOx).



Low-emission, Viessmann-made MatriXPlus burner

BENEFITS AT A GLANCE

+ Highest efficiency up to 98% at full modulation; 95% AFUE on all models
+ Lasting, reliable performance with Viessmann-made stainless steel Inox-Radial heat exchanger
+ Low-emission, fully-modulating stainless steel MatrixPlus cylinder burner
+ Intelligent combustion controls automatically adjust to gas quality and vent length; gas type and altitude adjustment at the push of a button
+ Wall mount design with zero clearance to combustibles
+ Commissioning through the on-board assistant or Vitoguide app simplifies complex parameters
+ Greater venting flexibility; lengths to 198ft. (60m)
+ Easy piping due to two sets of tappings, along with built in pump and diverter
+ True high-altitude operation at up to 10,000ft. (3,000m) with simple electronic adjustment
+ Powerful, user-friendly 7-inch touchscreen display
+ Adjustable height control panel
+ Limited lifetime warranty

STANDARD EQUIPMENT INCLUDES*

+ Wall-mount gas condensing boiler
+ Installation fittings
+ 30 psig pressure relief valve
+ Thermometer gauge
+ Pressure gauge
+ DHW sensor
+ Outdoor temperature sensor
+ Boiler control unit

*Boiler comes prewired and fully piped internally for field connections

Warranty information is available at https://www.viessmann.ca/en/services/warranties.html

Powerful and user-friendly
Featuring a 7-inch color touchscreen HMI with owner dashboard and service technician screens (available in three languages), the 200-W intuitively displays DHW scheduling, multi-zone controls, constant circulation controls, DHW recirculation modes, and gas consumption data with just a few taps.

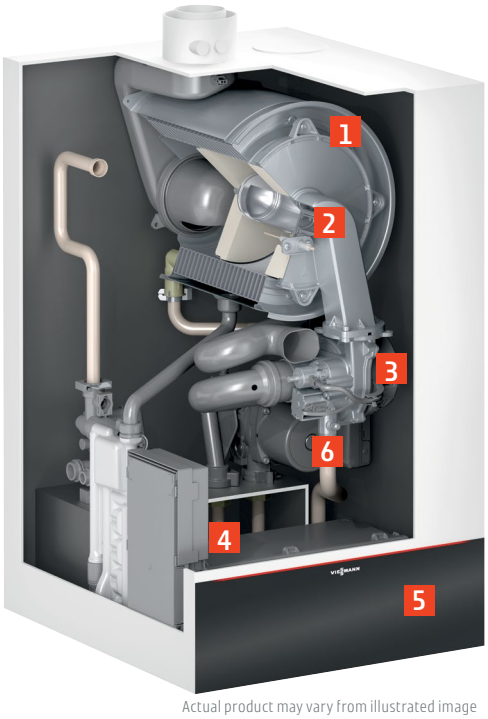
The 200-W is for homeowners and professionals who make no compromises. Control up to seven individual heating curves and customize your system with up to three thermostats or multi zone controllers, four constant circulation circuits, and various energy saving operating modes, including outdoor reset/ weather compensation. This not only boosts fuel savings, but also keeps your home warm and comfortable at all times.

Pairing with the ViCare app allows you to track your fuel usage and savings automatically and connect directly to your expert heating contractor for maintenance coordination.

Stainless Steel Inox-Radial Heat Exchanger: efficient and reliable
The Vitodens 200-W is equipped with a stainless steel Inox-Radial heat exchanger designed to stand up to the toughest of water conditions. Developed and manufactured by Viessmann, this high-quality stainless steel component maximizes performance and reliability. Plus, the self-cleaning heat exchanger contributes to the boiler's long service life and dependable performance.

VITODENS 200-W

Models B2HE-85-199



Actual product may vary from illustrated image

1. Inox-Radial stainless steel heat exchanger
2. Stainless steel MatrixPlus Burner
3. Variable speed combustion fan
4. Gas and hydronic connections
5. 7-inch color touchscreen boiler control unit
6. High Efficiency ECM Pump

VIESSMANN

Technical Information

VITODENS 200-W

Viessmann Manufacturing
Company ULC
Waterloo, ON Canada
(800) 387-7373

Viessmann Sales Office
Langley, BC Canada
(877) 853-3288
viessmann.ca
A Carrier Company

Model	B2HE	85	120	150	199
CSA Input (NG and LPG)	MBH (kW)	85 (24.9)	120 (35.2)	150 (44)	199 (58.3)
CSA Output (NG and LPG)[1]	MBH (kW)	80 (23.4)	113 (33.1)	141 (41.3)	187 (54.8)
Net AHRI Rating[2]	MBH (kW)	70 (20.5)	98 (28.7)	123 (36)	163 (47.8)
A.F.U.E.	%	95	95	95	95
Overall Dimensions					
Depth	in (mm)	19 ¾ (500)	19 ¾ (500)	21¾ (550)	21¾ (550)
Width	in (mm)	17 ¾ (450)	17¾ (450)	17¾ (450)	17¾ (450)
Height	in (mm)	33 ¾ (859)	33¾ (859)	39 (989)	39 (989)
Weight	lbs (kg)	108 (49)	108 (49)	179 (81)	179 (81)
Boiler Water Content	USG(L)	1.02 (3.88)	1.02 (3.88)	2.5 (9.5)	2.5 (9.5)
Max. Flow Rate[4]	GPM (L/H)	5.3 (1204)	6.2 (1408)	9.3 (2112)	10.6 (2408)
Heat Exchanger Surface Area	$ft^2(m^2)$	12.96 (1.2)	12.96 (1.2)	27.44 (2.55)	27.44 (2.55)
Maximum Operating Pressure (max. allowable working pressure) at 210°F (99°C)	psig bar	45 3	45 3	60 4	60 4
Minimum/Maximum Gas Supply Pressure[3]					
Natural Gas	"w.c.	4/14	4/14	4/14	4/14
LPG	"w.c.	10/14	10/14	10/14	10/14
Boiler Water Temperature					
Space Heating (steady state)	°F (°C)	68-180 (20-82)	68-180 (20-82)	68-180 (20-82)	68-180 (20-82)
DHW Production	°F (°C)	180 (82)	180 (82)	180 (82)	180 (82)
Fixed High Limit (FHL)	°F (°C)	210 (99)	210 (99)	210 (99)	210 (99)
Boiler Connections					
Gas Supply Connection	NPTM (male)	¾	¾	¾	¾
Pressure Relief Valve	NPTF (female)	¾	¾	¾	¾
Boiler Heating Supply and Return	NPTM (male)	¾	¾	1	1
DHW Tank Heating Supply/Return	NPTM (male)	¾	¾	1	1
Drain Valve	(male thread)	¾	¾	¾	¾
Boiler Flue Gas Connection	Ø in (Ø mm)	3 (80)	3 (80)	3 (80)	3 (80)

1 Output based on 140°F (60°C), 120°F (49°C) system supply / return temperature.
2 Net AHRI rating based on piping and pick-up allowance of 1.15.
3 If the gas supply pressure exceeds the maximum gas supply pressure value, a separate gas pressure regulator must be installed upstream of the heating system.
4 See "Waterside Flow" on page 8 of product Technical Data Manual

ENERGY STAR Energy Verified AHRI CERTIFIED® www.ahridirectory.org

Technical information subject to change without notice.
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