

Gas Condensing Technology
VITODENS® 222-F, B2TB

VIESSMANN

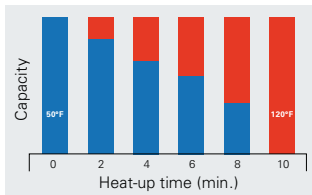


Gas Condensing Technology

Vitodens 222-F, B2TB – 19 to 125 MBH Gas-fired floor standing condensing technology and compact solution for DHW



The Vitodens 222-F is ENERGY STAR® qualified. By choosing the Vitodens 222-F, you are helping to promote cleaner air and a healthier environment.



Advanced Storage Tank Loading System (STLS) ensures an extremely fast heat-up



Vitotronic 200 control with new Setup Wizard

Smart, compact space heating and DHW

The Vitodens 222-F, B2TB gas-fired condensing boiler is an ideal space saving option for new installations and a smart upgrade for outdated boiler and domestic hot water (DHW) storage systems. The floor standing Vitodens 222-F is a compact, economical space heating and DHW solution for homes with moderate heating loads.

Innovative Storage Tank Loading System (STLS)

Advanced Storage Tank Loading System technology in the Vitodens 222-F ensures a reliable and efficient DHW supply equivalent to that of a larger tank. The STLS utilizes an external plate heat exchanger and DHW loading pump for extremely fast heat-up capable of delivering a 10-minute peak flow of 60 gallons or continuous DHW draw of 3.3 GPM*.

Award winning control unit

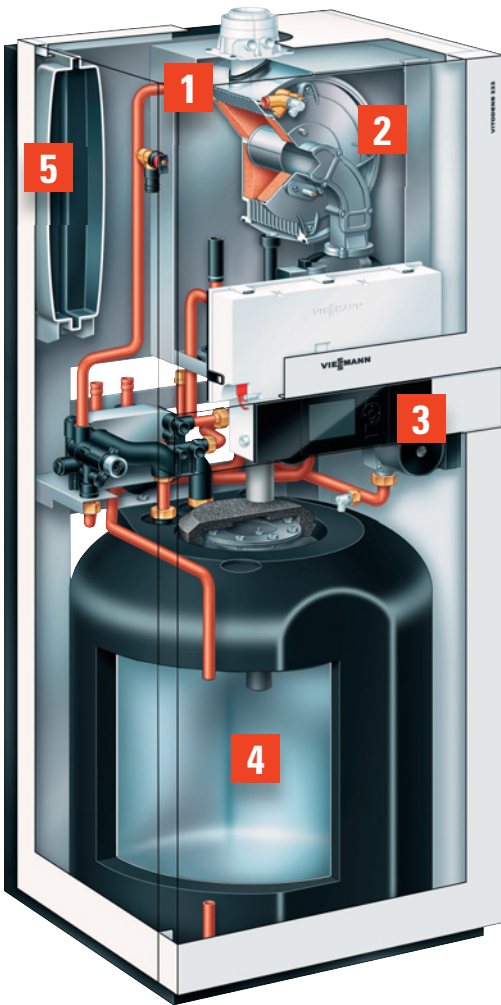
The intuitive Viessmann made Vitotronic 200, HO1B control manages the entire heating system and maintains economical performance and maximum comfort at all times. The user-friendly, menu-driven control is capable of displaying multi-line text and graphics on a backlit display 70% larger than those of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

An outdoor reset function automatically adapts the boiler operating temperature to the changing outdoor temperature. This reduces fuel consumption up to 15%, giving you excellent returns year after year on a modest initial investment. Plus, with system control for multiple zone space and DHW heating, the Vitotronic 200, HO1B can control 3 zone circuits, 2 mixed heating circuits and 1 unmixed heating circuit.

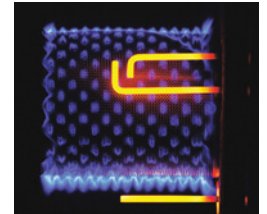
Connectivity

You're always in control with the ViCare App. It allows you to remotely operate your Viessmann heating system anytime, anywhere from your smartphone or tablet.





Stainless steel Inox-Radial heat exchanger



Low-emission, Viessmann-made Matrix cylinder burner

- 1 Innox-Radial heat exchanger
- 2 Modulating Matrix cylinder burner
- 3 Vitotronic 200 control with graphic user interface
- 4 Stainless steel storage tank
- 5 Heating expansion tank

Proven Viessmann technology

At the heart of the Vitodens 222-F are the Viessmann made titanium stabilized stainless steel Inox-Radial heat exchanger and low emission Matrix cylinder burner.

The Matrix burner's Lambda Pro combustion management system automatically adapts to changing gas type and quality for optimal efficiency, while the durable stainless steel heat exchanger offers exceptional reliability and long service life. Together, they allow for optimal heat extraction with minimal heat loss to maximize energy utilization and reduce fuel consumption.

Low Lead Certification

Certified to CSA Low Lead Certification Program; including US Safe Water Drinking Act, NSF/ANSI 372 as well as other applicable US State requirements.

Specifications

- Innovative DHW Storage Tank Loading System comprised of plate heat exchanger, DHW loading pump and storage tank
- Fast heat-up with Storage Tank Loading System
- Viessmann made stainless steel Matrix cylinder burner with Lambda Pro combustion management system for continuous efficiency and low emissions
- Efficiency up to 98% at full modulation and 95% AFUE
- Viessmann made high grade stainless steel DHW storage tank (26 USG)
- Zero side clearance requirement
- Pre-installed pressure / temperature relief valves
- Fully enclosed heating expansion tank and circulation pump
- Built-in 3-speed DHW / space heating pump with diverter valve
- Suitable for altitude levels up to 10,000 ft. / 3,000 m
- 10-minute peak flow of 60 gallons*
- Continuous DHW draw of 3.3 GPM*
- Wide modulation ratio up to 6.5:1
- Multiple venting options with vent length up to 180 ft.

* Based on a temperature rise of 70 °F (50 °F to 120 °F).

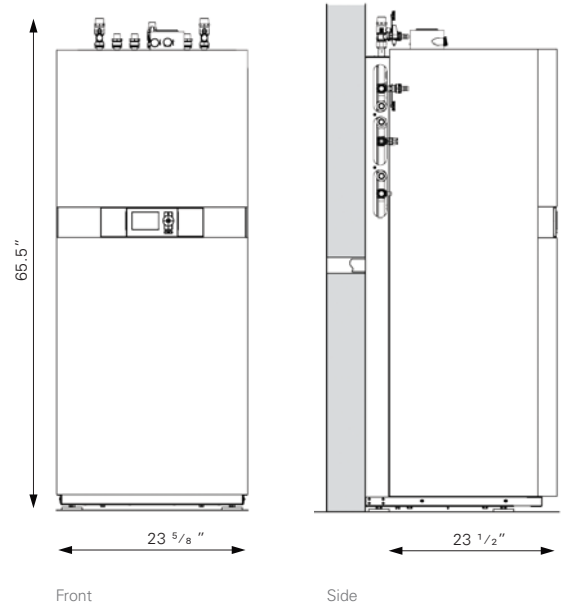
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Technical Data



Vitodens 222-F, B2TB gas-fired floor standing condensing boiler and DHW heating

| | | |
|----------------------------------------|--------|--------------------------------|
| Model | B2TB | 125 |
| Min. Input | MBH | 19 |
| Max. Input | MBH | 125 |
| Max. Allowable Working Pressure | psig | 45 |
| Efficiency | % AFUE | 95% |
| Dimension | | |
| Width | in. | 23 ⁵ / ₈ |
| Height | in. | 64 |
| Depth | in. | 23 ¹ / ₂ |
| DHW Storage Tank | | |
| Capacity | USG | 26.5 |
| Max. Allowable Working Pressure | psig | 150 |
| Continuous Draw Rate* | gpm | 3.3 |
| Max. Draw Rate* (over 10 min. period) | gal | 60 |
| Weight | lbs | 302 |



* Based on a temperature rise of 70 °F (50 °F to 120 °F).
Information subject to change without notice.

