

Wood Burning Technology

VITOLIGNO 300-C

Compact, fully automatic pellet boiler

VIESSMANN[®]
climate of innovation[®]



Heating Systems ◀

Industrial Systems

Refrigeration Systems



The pellet hopper can be positioned right next to the Vitoligno 300-C or, if preferred, anywhere inside the room.



Vitoligno 300-C (44 to 193 MBH) with pellet hopper.

The compact Vitoligno 300-C pellet boiler is an efficient solution for residential homes to buildings with a higher heat demand. The boiler features an input range of 44 to 193 MBH at a modulation ratio of 1:3, as well as ultra-low energy consumption. Operating the Vitoligno 300-C is extremely easy, making heating with pellets highly convenient. Almost everything is automatic – from fuel feed right through to cleaning.

Compact dimensions for flexible placement

The Vitoligno 300-C pellet boiler allows flexible and space efficient placement as all components are directly accessible for service and maintenance. An ideal option is installation in a corner of the boiler room. Viessmann offers a complete range of accessories for pellet storage and extraction systems from a single source.

Convenient automatic functions

Wood pellets burn with few residues – and even these are taken care of automatically by the Vitoligno 300-C. For example, the finned grate in the combustion chamber is cleaned automatically at least once a day. This guarantees low losses and excellent fuel utilization. Automatic ash removal compresses the ash in the ash box and ensures that it has to be emptied no more than twice a year. Due to the sealed ash box, ash removal is also clean and stress-free.

Flexible fuel feed

The Vitoligno 300-C comes equipped with a vacuum system for automatic pellet feed from the storage room. The boiler can be converted quickly and easily from automatic to manual fuel feed. Commercially available bags of pellets can be used for manual feed if necessary, e.g. if there is insufficient space for a pellet storage room.

For manual feed using pellet bags, the hopper can be positioned right next to the Vitoligno 300-C or, if preferred, anywhere inside the room. A 572 lb. load is sufficient for up to ten days.

Safe and clean burning

Viessmann wood-fired boilers are as safe and reliable as leading gas/oil heating systems. Equipped with advanced safety and fire protection devices and a digital control, the entire system is closely monitored – from the fuel feed right to the heat transfer and venting.

Modern wood heating systems, such as the Vitoligno 300-C, do not contribute to climate change as they are CO₂ neutral. In addition, Viessmann wood-fired boilers reach similar emission levels as leading fossil fuel heating systems and meet the stringent regulations of the European Clean Air Act.



Vitoligno 300-C

- 1 Automatically cleaned heat exchanger
- 2 Rotary valve for 100% back-burn protection
- 3 Variable-speed flue gas exhaust blower modulating operation
- 4 Combustion chamber made of highly heat-resistant ceramic
- 5 Self-cleaning, rotating fuel grate made of stainless steel
- 6 Automatic ash removal with ash bin



Compact and fully automatic Vitoligno 300-C pellet boiler (44 – 193 MBH) for residential homes to buildings with a higher heat demand.

Intelligent Ecotronic control unit

Operating the Vitoligno 300-C is easy with the weather-compensated digital Ecotronic control unit. Up to four heating circuits with mixing valve can be controlled with the standard version. The boiler with pellet supply, the heating circuits and the DHW tank temperature can all be controlled intuitively. Adjusting all relevant parameters is made easy by the clear display with graphic capability and multi-line plain text support.

Prepared for solar

In combination with a solar thermal system, current solar data is also shown on the display. The collector and DHW temperature are part of this data, as are the operating hours of the solar thermal system.

Benefits at a glance

- Fully automatic pellet boiler with a rated heating input range of 44 to 193 MBH / 13 to 57 kW
- High efficiency up to 85% for excellent utilization of wood energy
- Innovative combustion technology for very low emission levels
- Flexible and space saving installation
- Ecotronic control with plain text user prompts and remote control monitoring option
- Automatic ash removal through a stainless steel finned grate ensures highly reliable operation and long cleaning intervals
- Ash bin requires emptying only once or twice a year
- High operational reliability provided by rotary lock valve, for 100% back-burn protection
- Flexible fuel feed, e.g. pellet vacuum system with hopper or auger system

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Technical Data



Vitoligno 300-C floor standing, fully automatic wood pellet-fired boiler

| Model | | 32 | 48 |
|--|--------|-----------|-----------|
| Rated input | MBH | 44-129 | 64-193 |
| Efficiency | | | |
| – At full load | % | 85% | 85% |
| – At partial load | % | 85% | 85% |
| Dimensions with pellet hopper | | | |
| Length | Inches | 48 1/8 | 48 1/8 |
| Width | Inches | 52 1/2 | 52 1/2 |
| Height | Inches | 61 1/2 | 61 1/2 |
| Dimensions with connection unit for flexible screw conveyor | | | |
| Length | Inches | 48 1/8 | 48 1/8 |
| Width | Inches | 50 | 50 |
| Height | Inches | 61 1/2 | 61 1/2 |
| Weight | | | |
| – with pellet hopper | lbs. | 1433 | 1433 |
| – with connection unit for flexible screw conveyor | lbs. | 1356 | 1356 |
| Boiler water content | USG | 47.5 | 47.5 |
| Pellet hopper capacity | cu ft. | 3.5 | 3.5 |
| Volume of ash box | cu ft. | 2.3 | 2.3 |

