



The combustion control of the CTC V40 | V22 Lambda is supervised by a Lambda sensor automatically controlling the primary and secondary air damper motors.

CTC V40 Lambda

CTC V22 Lambda

Lambda controlled wood gasification boiler

Higher efficiency and comfort

The CTC V40 Lambda and V22 Lambda wood boilers have been developed in accordance with the latest industrial standards. The boiler is attractively designed incorporating innovative features for ease of operation.

The thermal bed and the Vortex concept of the combustion chamber result in very low emissions. Thanks to the excellent heat transmission within the boiler the unit achieves a boiler efficiency up to 92%.

Both front doors can be installed to hinge from either the left or right side of the boiler and are fitted with smart and ergonomic flush door handles creating a streamlined "car feeling" design.

The spacious fuel chamber of 138 liters is fitted with side panels which both optimise primary air distribution and tar reduction as well as facilitating downward movement of the logs.

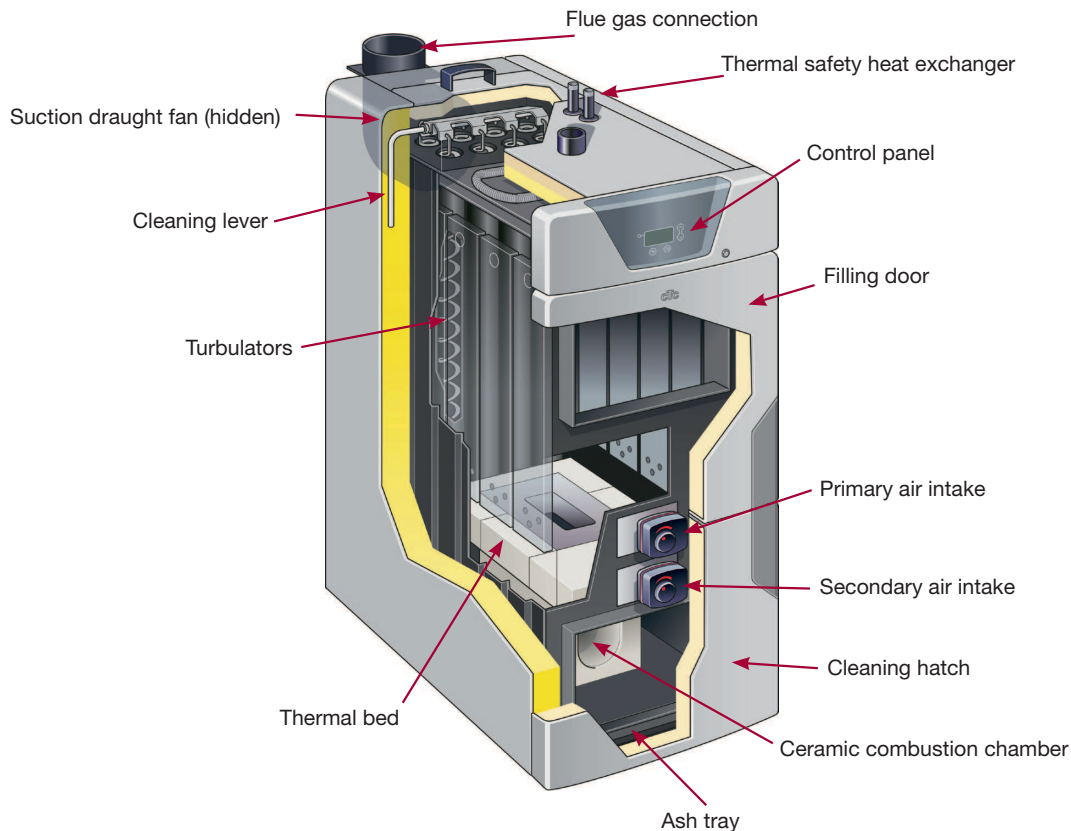
Cleaning of the boiler tubes is easily accomplished by movement of a lever which can be optionally mounted on either the left or right hand side of the boiler. Ash remaining from burning the logs is easily cleaned from the combustion chamber into an integral ash tray for disposal.

The boiler must always be installed and operated with a buffer tank system which has been sized according to the local regulations.

The boiler is controlled by intelligent software through a user friendly control panel. The Lambda models have the facility to provide heating control for up to two heating circuits.

Key features:

- Boiler efficiencies up to 92 %.
- Very low emissions.
- Powerful suction draught fan.
- "Hotcover" fuel chamber side panels.
- Ceramic combustion chamber with Vortex concept.
- Easy cleaning of boiler tubes (heat exchanger).
- Optional handing of front doors.
- Attractive streamlined design with flush door handles.
- Intuitive, user friendly control panel.
- Lambda sensor control
 - higher efficiency and efficient combustion.
- The V40 is also available in version without Lambda sensor, heating circuit control and cleaning lever.

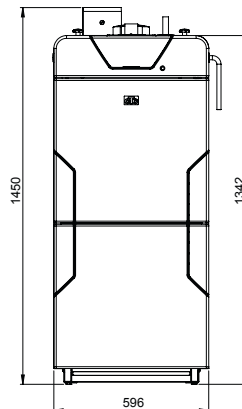
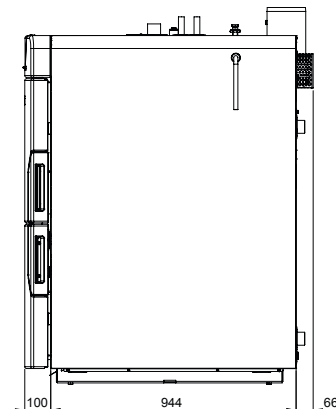
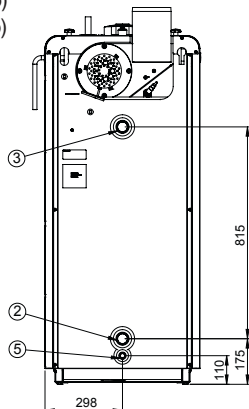
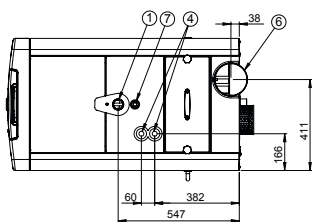


Technical data CTC V40 & V22 Lambda

	V40 Lambda	V22 Lambda		V40 Lambda	V22 Lambda
Rated output	40 kW	22 kW	Max. working pressure	3 bar	
Boiler efficiency	92 %	91 %	Min. chimney draught	0,15 mbar	
Fuel chamber volume	138 l		Chimney diameter	150 mm (125-200)	
Fuel chamber depth	549 mm		Recommended buffer volume	1500-3000 l*	
Max. length wood logs	500 mm		Control system	Boiler-control/ Comfort-control 2 circuits	
Weight	470 kg	460 kg			
Water content	105 l	114 l			

* Depending on model and local regulations.

1. Heating flow G 1 1/4"
2. Heating return G 1 1/4" (charging group)
3. Heating return G 1 1/4" (charging pump)
4. Connection thermal safety heat exchanger Ø 22 mm
5. Draining G 1/2"
6. Flue gas connection Ø 150
7. Sleeve 3/4" thermal valve



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