V22 and V40

Lambda Controlled Wood Gasification Boiler

Enertech Group

Higher efficiency and comfort

CTC V22 and V40 lambda wood boilers have been developed in accordance with the latest standards incorporating innovative features in an attractive design. With outputs of 22 kW for the V22 and 40 kW for the V40 and a full load energy production of approximately 125 kWh meeting heating requirements for small, medium and large properties.

The thermal bed and vortex concept of the combustion chamber result in very low emissions. With excellent heat transmission within the boiler high efficiencies of up to 92% can be achieved. A spacious fuel chamber of 138 litres is fitted with specially designed side panels which both optimise primary air distribution and tar reduction as well as facilitating downward movement of logs.

An integral controller provides control of up to two weather compensated heating circuits, DHW cylinder and temperature control of the buffers. The controller also shows the current operation details as well as stored operating data and alarm conditions.

Both the loading door and ash door can be installed to hinge from either left or right side of the boiler and are fitted with ergonomic flush door handles.

Cleaning of the boiler tubes is easily accomplished by rotation of a lever which raises and lowers the boiler tube turbulator. The lever can be mounted on either side of the boiler for ease of installation. 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 local regulations.

Key features

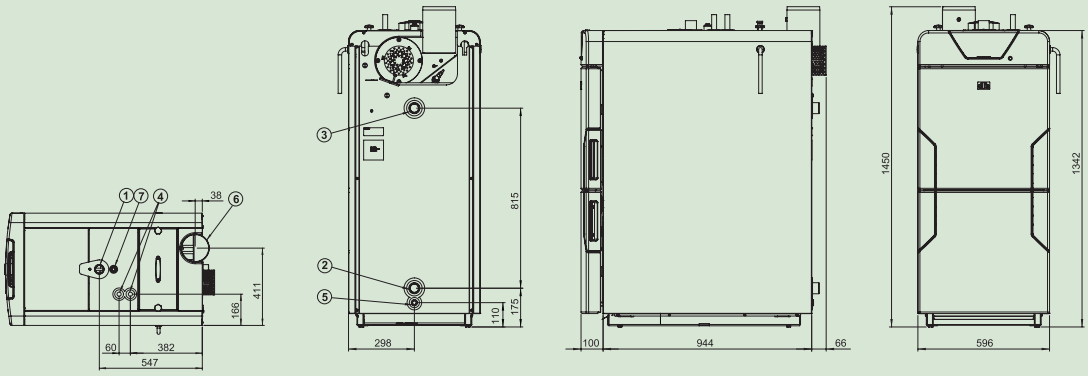
- Integrated energy efficient controls.
- Lambda sensor control giving high boiler efficiency of 92%.
- Very low emissions.
- 2 models with outputs of 22 kW and 40 kW.
- Ceramic combustion chamber with “Vortex” concept.
- Powerful suction draught fan.
- Stylish grey casing with alternate door handed

ENERGY FLEX

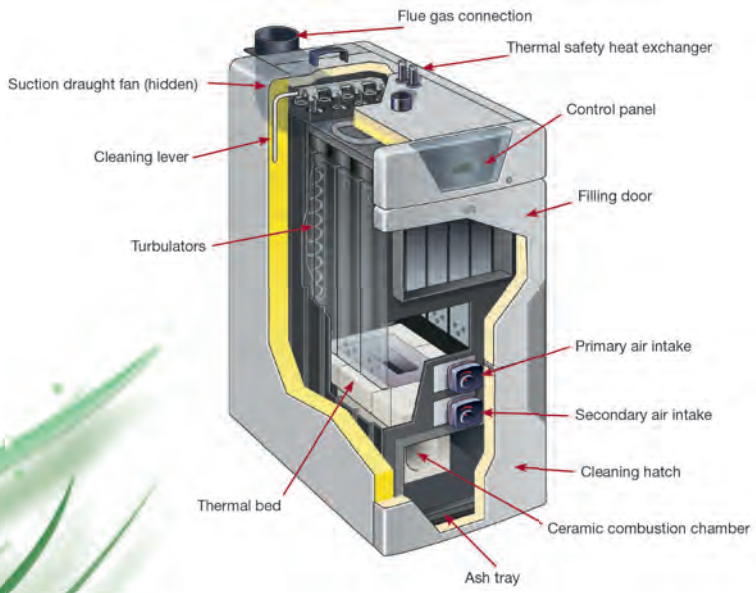
V22 and V40

TECHNICAL DATA			
Electrical Data		**V22**	**V40**
Supply		1 x 230V	
IP Class		IPX1	
Sound power	dB	56	
Other Data			
Average output	kW	22	40
Boiler efficiency	%	92	
Hearth volume	L	138	
Hearth dimensions (H x W x D)	mm	680 x 370 x 549	
Fill door opening (H x W)	mm	302 x 380	
Dimensions (H x W x D)	mm	1450 x 596 x 1110	
Boiler water content	L	114	105
Max. boiler operating pressure	bar	3.0	
Max. boiler operating temperature	˚C	110	
Weight empty (excl. packing)	kg	460	470
Boiler class to EN 303-5		5	
Recommended buffer volume	L	1500 to 2000	2000 to 3000

Dimensional drawing of the CTC V22 and V40



1. Heating flow Rp 1 1/4”
2. Heating flow Rp 1 1/4” (charging group)
3. Heating flow Rp 1 1/4” (charging pump)
4. Connection thermal safety heat exchanger Ø22 mm
5. Drain Rp 1/2”
6. Flue gas connection Ø 150
7. Sleeve 3/4” thermal valve



Go Geothermal Ltd
Ridgeway, Newton Aycliffe
County Durham, DL5 6SP

Tel: 01388 720228
Email: sales@gogeothermal.co.uk
www.ctc-uk.com

APPROVED PRODUCT