EcoFlex

Domestic wood pellet boiler

CTC EcoFlex wood pellet boiler provides the same convenience of operation as an oil boiler but are Carbon Neutral

CTC EcoFlex is a highly efficient wood pellet boiler designed for ease of operation and maintenance. It is reliable, easy to install, clean and is simple to operate. With careful regulation of the wood pellet feed into the combustion chamber and controlled combustion the CTC EcoFlex wood pellet boiler can maintain a pre determined operating temperature. A triple pass heat exchanger provides excellent heat transfer resulting in boiler efficiencies of 92%.

CTC EcoFlex has a built-in microprocessor control, electric ignition, indoor and outdoor temperature sensors and a fully automatic pellet feed system. With two stage modulation the CTC EcoFlex can select the most appropriate output for the heating system. All functions and heating set points can be viewed and adjusted from the display panel located on the front of the boiler.

The EcoFlex is supplied with connections for both heating and hot water as standard providing maximum installation flexibility. Located in the front of the boiler an easy to access ash draw collects the small amount of ash produced from burning the pellets. Due to the design of the flue gas pathways and the lack of baffles to trap dust maintenance and cleaning of the boiler is minimised.

Key features

- Integrated energy efficient controls
- Triple pass heat exchanger designed for maximum energy efficiency
- Well insulated to minimise standing losses
- Separate heating and domestic hot water connections
- Designed for easy cleaning, installation and maintenance
- Automatic ignition
- Large sized ash bin minimises the need for frequent emptying
- Easy to install pellet hopper and auger accessory provide automated pellet feed system

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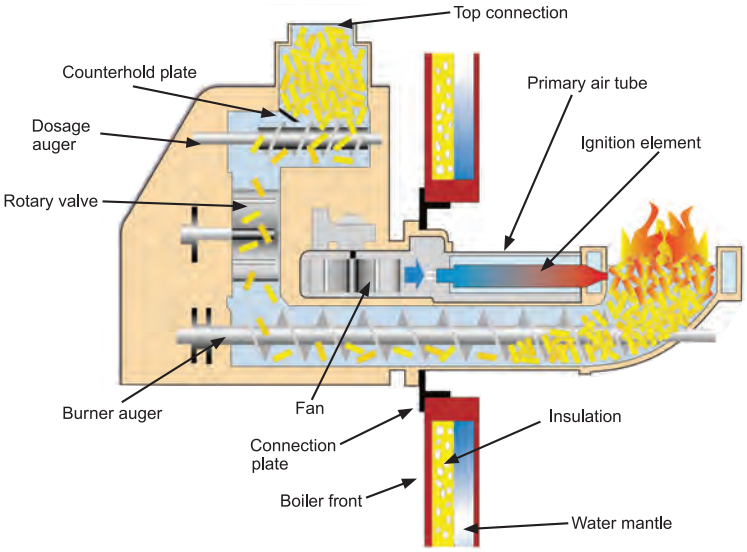
TECHNICAL DATA		
Electrical Data		EcoFlex
Supply		1 x 230V
IP Class		IPX1
Other Data		
Rated output	kW	14.6
Boiler efficiency	%	92
Output range	kW	5 to 15
Output settings Full/Part/Min	kW	15/9/0
Dimensions (H x W x D)	mm	1450 x 600 x 990
Boiler water content	L	150
Max. boiler operating pressure	bar	2.5
Max. boiler operating temperature	℃	110
Weight empty (excl. packing)	kg	265
Weight operating	kg	415



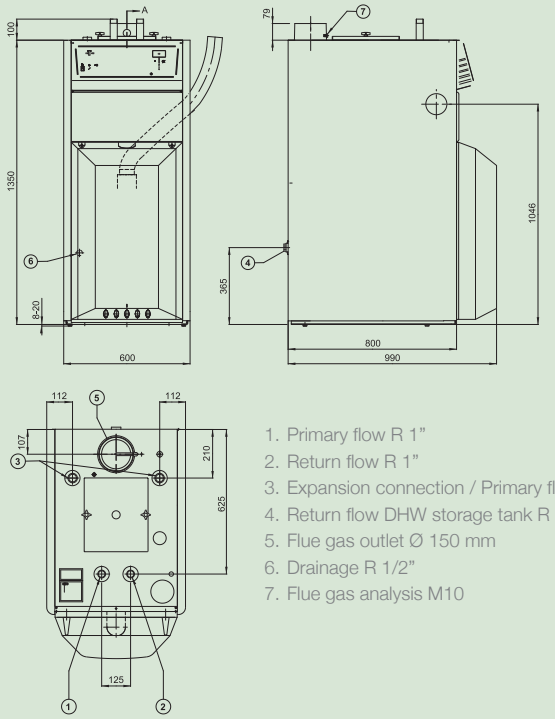
Delivery includes:

Outside and room sensors, Primary flow and return sensors, DHW storage tank sensor, Drain valve, Sweeping equipment

Accessories:

	Part Number:
Additional sensors	583742308
Pellet hopper 400 litres	11969701
Pellet auger 1.5m long	913151001
Pellet auger 2.0m long	913152001
Flexible pellet tube feeder	913169001

Dimensional drawing of the CTC EcoFlex



1. Primary flow R 1”
2. Return flow R 1”
3. Expansion connection / Primary flow R 1”
4. Return flow DHW storage tank R 1”
5. Flue gas outlet Ø 150 mm
6. Drainage R 1/2”
7. Flue gas analysis M10

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ENERGY FLEX