



- Attractive powder coating.
- Automatic pressure jet (3 bar) water cleaning system.
- Stainless steel heat exchanger.
- Secondary combustion air.
- Understoked pellet feed.
- Generously sized ash pan.
- Burn back protection valve.
- Burner heat with patented cleaning system.

How we achieve efficiencies of >100%

In accordance with standard EN 303-5, the net calorific value of a fuel (energy content without energy held in the water) is used for calculating the efficiency. In calculations for condensing boilers, which can utilise the energy held in the water, this leads to efficiency levels of over 100%.



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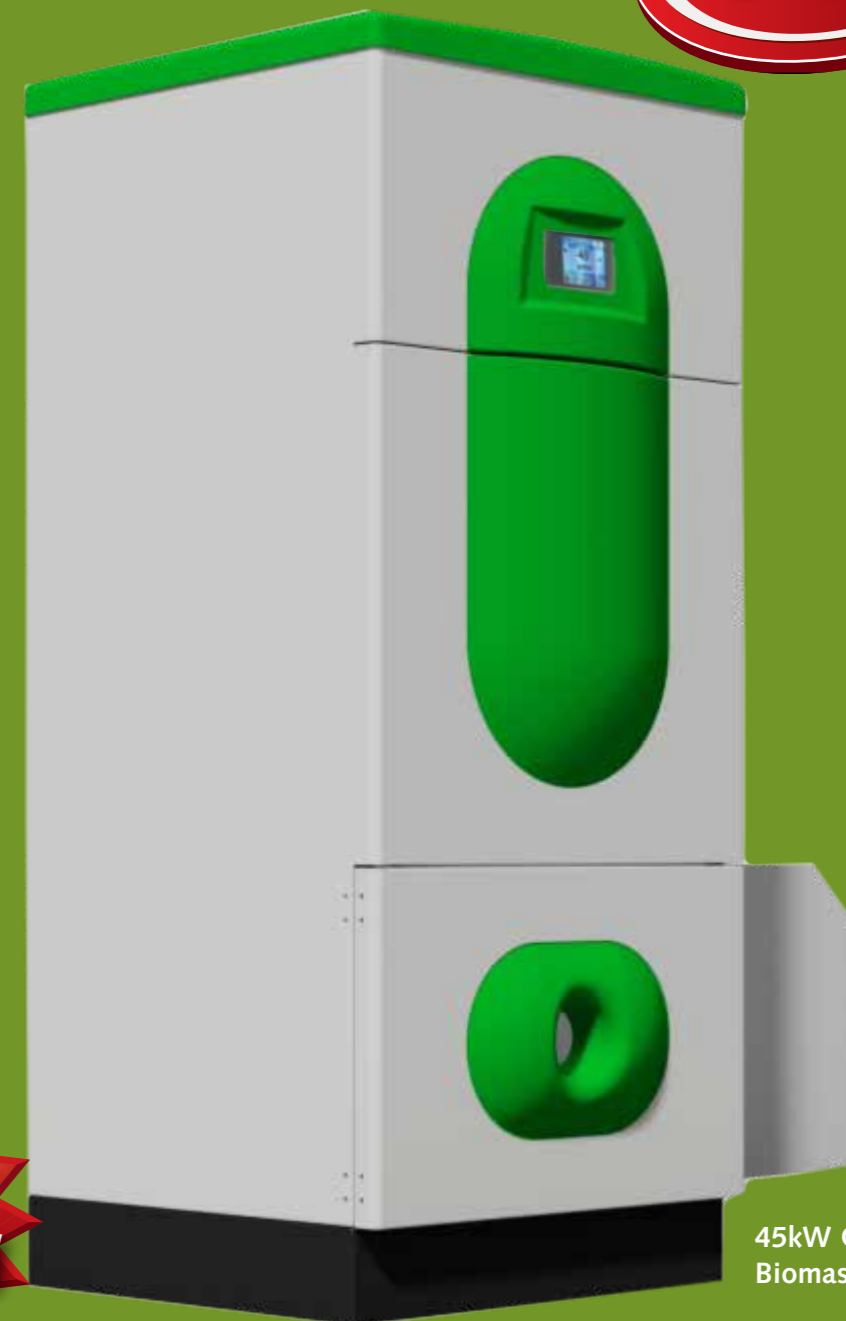
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MANUFACTURERS OF RENEWABLE HEATING PRODUCTS

E-COMPACT TWIST[®]

Condensing Biomass Boiler

25kW, 45kW & 100kW outputs



45kW Condensing
Biomass Boiler

EN14785/2006

WES proudly presents its patented condensing boiler range. New to the market in 2015, the range covers outputs from 25kW to 100kW. The 45kW and 100kW boilers are the largest output (kW) condensing biomass boilers available on the market today.

How does condensing technology work?

Modern condensing boilers make use of the heat contained in the flue gas. This gas is cooled to the point where the water vapour it holds condenses (returns to being liquid). The left over heat is then fed back into the heating system, increasing the efficiency of the boiler and reducing fuel use.

Technical Specifications

	25kW HE	45kW HE
Output (Nominal/Minimum) - kW	25-7	43.5-12
Water Capacity - litres	78	112
Flue Diameter - mm	150	200
Weight - kgs	364	415
Height - mm	1485	1785
Depth - mm	710	710
Width - mm	1135	1135
Water Connection - "	1¼	1½
Electrical	230v - 50hz	230v - 50hz

Outstanding Performance (45kW)

	Condensing	Non-Condensing
Nominal Power - kW	43.5	43.5
EFFICIENCY - %	103%	97%
CO (13% O2) - %	0.02	0.02
Particulate (13% O2) - %	13mg/NM3	16mg/NM3

* EN14785/2006
* Launch pending MCS accreditation in 2015

Outstanding Performance (25kW)

	Condensing	Non-Condensing
Nominal Power - kW	25	25
EFFICIENCY - %	98.4%	93.8%
CO (10% O2) - %	39	39
Particulate (13% O2) - %	19mg/NM3	19mg/NM3

* EN303-5
* Launch pending MCS accreditation in 2015



E-COMPACT TWIST®

Unique Features

- 103% efficiency (45kW)
- The only condensing boiler on the market that does not use a secondary heat exchanger, ie. only one primary heat exchange (patent granted).
- Complete cleaning of burner grate (patent pending).
- Stainless steel heat exchanger.
- Left and right handed burner options.
- Boiler can operate in condensing and non-condensing mode without compromising the boiler warranty.