

## Compte woodfuelled heating systems – 1.5 MW to 5.5 MW

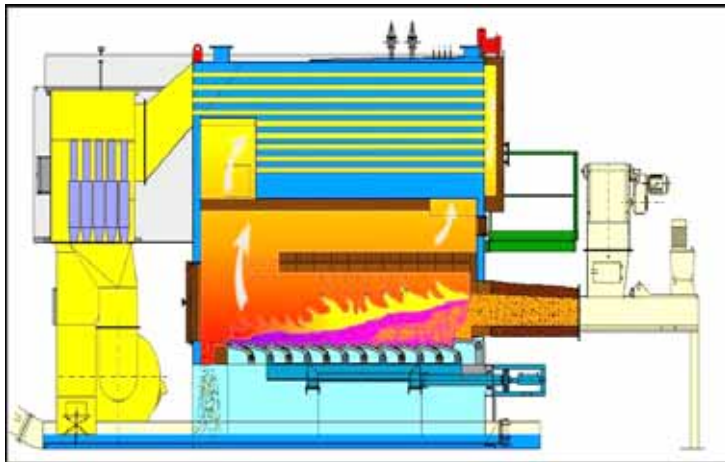
Econergy has selected state-of-the-art wood boiler plant from French company Compte R to meet the requirements of larger heat users in the UK. Compte have over 50 years experience in the field and their boilers are at the leading edge of modern wood combustion system design.

The *Compact* ranges of *Compact* wet and dry wood boilers have outputs from 320 kW to 5,500 kW. This leaflet covers the **Grande DH range of wet-wood boilers with outputs from 1,500 kW to 5,500 kW** (separate information is available for the *Petite DH* wet-wood range and the *DS* dry wood boiler ranges).

In addition to boiler plant, a comprehensive range of fuel handling and de-ashing options are available so that, whatever your application, Econergy can specify a package tailored to meet your needs at a competitive price.



A *Compact* C250 DHP 2,500 kW wet-wood boiler with ram stoker



Above: side view cut-away of a *Compact* wet-wood boiler in the 1.5 – 4.5 MW range showing ram stoker feed for coarse fuel, moving grate, triple pass heat exchanger and multi-cyclone.

Below: a grab operating in the fuel store of a large installation.

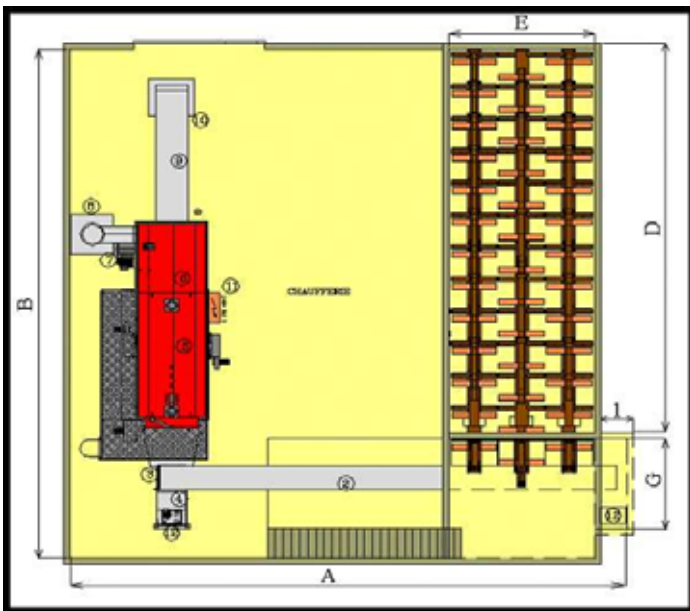
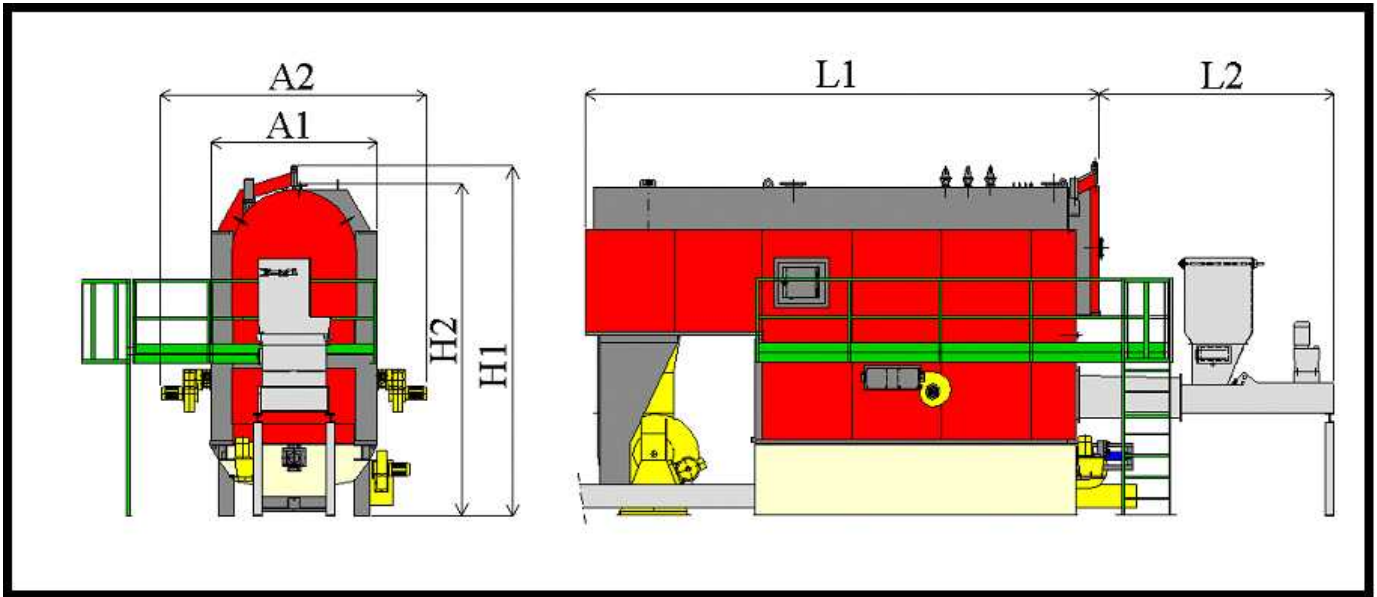


### Key features of the *Compact* range

- Open bottom, wet walled boiler with ceramic lined combustion chamber.
- Auger fed moving grate.
- Integral ID fan and multicyclone flue gas clean-up.
- Fully modulating combustion control from 25 - 100% MCR on wet (45% mc) wood. Below 25% MCR the boiler operates in on/off mode.
- Furnace temperature and Lambda sensor control of primary and secondary air supply for optimum excess air levels.
- High chrome grate for exceptional durability.
- Emissions meet PG1/12 (if required).
- Boiler efficiency is 83% at MCR and >70% at max modulating turndown.
- Wet-wood boiler ratings are at fuel mc of 45%. Boilers can be set up for lower fuel moisture values and can cope with  $\pm 10\%$  of set figure without manual intervention.

### Additional options

- DHT inclined grate option to burn fuel of up to 60% gross moisture content
- Automatic de-ashing (bottom and fly ash).
- Ram-stoker fuel feed for coarse fuels.
- Inclined grate on 4.5 MW wet wood model.
- Steam or thermal oil boilers.



"COMPACT" BOILER: Main dimensions					
Type: COMPACT		C 150 DH	C 250 DH	C 350 DH	C 450 DH
A1	mm	2150	2290	2580	2630
A2	mm	3440	3280	3600	4200
L1	mm	5500	6350	7330	5720
L2	mm	3380	3550	3300	3220
H1	mm	4310	4700	5660	5930
H2	mm	4150	4440	5440	6100
Dry Weight	Kg	22000	30800	47000	57000
Service weight	Kg	26000	37600	56000	72000
Flow and return water flange		DN 200	DN 200	DN 250	DN 250

Below: a boilerhouse with tipping fuel reception - a wide range of fuel handling systems are available.

