Wood chips

Fully automatic heating plants 200-1500 kW

www.linka.dk
The fully automatic system is PLC controlled and monitors its own performance, ensuring optimal operation.

The system can also be controlled and monitored remotely via the Internet.
In the chip store, which is positioned adjacent to the boiler room, between three and five hydraulic scrapers are installed on the floor. The scrapers are typically covered by a 2.5 metre layer of wood chips. The scrapers transport the chips to a horizontal base screw, positioned below the floor, and a diagonal transport screw conveys the chips onwards to the boiler room. Firing using wood chips is the ideal solution for private households, agriculture and companies that can arrange for local deliveries. As well as running on wood chips, the system can be used with sawdust with a maximum water content of 35%.

The effective fuel and combustion air mixture in the hearth ensures complete burning of the fuel, resulting in efficiency levels of up to 93%.

### Calorific value

The average consumption of wood chips with a calorific value of 15.2 MJ/kg (3530 kcal/kg) and a 20% water content is 0.3 kg for the production of 1 kWh of heat energy. 1 litre of fuel oil = 3 kg of wood chips. Ash: 2.5%.

### Fuel utilization

A stair of movable grills is mounted at the front of the boiler; every second step moves whilst the others are stationary. The fuel is transported via a stoker screw, and during incineration is pushed from grill to grill. Heated combustion air is pumped into the chamber from the sides and the base in order to provide optimal turbulence. The boiler transfers the heat directly to the circulating boiler water.

The effective fuel and combustion air mixture in the hearth ensures complete burning of the fuel, resulting in efficiency levels of up to 93%.

### Chips and sawdust

As well as running on wood chips, the system can be used with sawdust with a maximum water content of 35%.
The Linka 70-93 series

Optimal operation and efficiency
Linka boilers are constructed as traditional 3-pass boilers with a large fire box and horizontal flue gas pipes. The large convection section with its smooth boiler flues ensures effective cooling of the flue gases, resulting in efficiency levels of up to 93%.

Unique and flexible
The hearth is specially developed for use with biofuels, but if energy policies should change, Linka boilers can be fitted with an oil or gas burner and still achieve the same high levels of efficiency.

Quality standards
The boilers meet the following standards: AT (Denmark), SA (Sweden) and TÜV (Germany). The boilers are manufactured from high-quality steel from Europe’s leading steel works.

Quality standards
The boilers meet the following standards: AT (Denmark), SA (Sweden) and TÜV (Germany). The boilers are manufactured from high-quality steel from Europe’s leading steel works.

Linka H series

Quality standards
The boilers meet the following standards: AT (Denmark), SA (Sweden) and TÜV (Germany). The boilers are manufactured from high-quality steel from Europe’s leading steel works.