



# Wood pellets

Fully automatic  
heating plants 200-5000 kW

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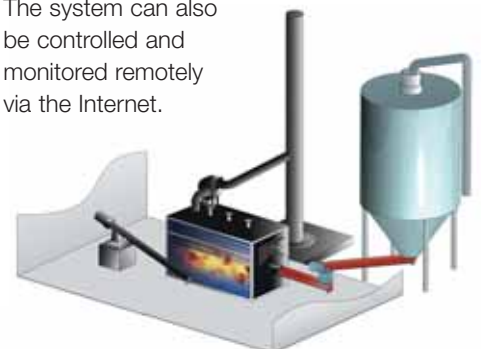


# Linka wood pellet heating plants



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.





# Calorific value

## Calorific value

The average consumption of wood pellets with a calorific value of 17.5 MJ/kg (4185 kcal/kg) and a 6% water content is 0.22 kg for the production of 1 kWh of heat energy. 1 litre of fuel oil = 2.2 kg of wood pellets. Ash: 0.5%.

Hearth

Feeding of wood pellets into the stoker

Mobile system



Automatic ash removal

Mobile system

### Fuel utilization

In the water-cooled hearth, which is manufactured from hardened acid-resistant steel, wood pellets are converted into heat at temperatures of between 1000 and 1200 °C. The hearth and boiler transfer 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%.

### Pellet transport

Pellets are transported from the fuel tank to the stoker via a screw feeder.

### Ash removal

Automatic ash removal keeps daily work on the system to a minimum.

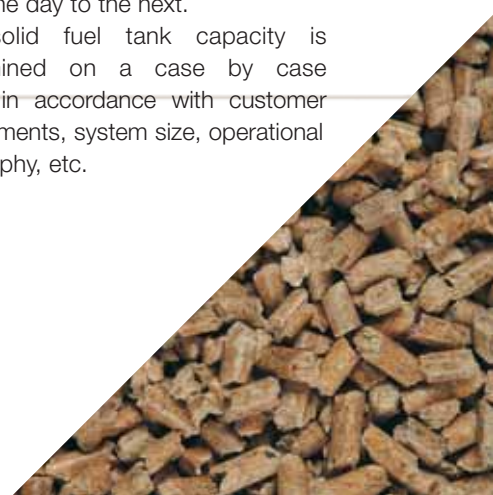
### Mobilanlæg

A mobile version of the system is also available and comes mounted in a container. Systems are available with an output of between 400 and 3000 kW.

### Wood pellets

Wood pellets are available across Europe and can normally be delivered from one day to the next.

The solid fuel tank capacity is determined on a case by case basis, in accordance with customer requirements, system size, operational philosophy, etc.





# Linka boilers



Linka 70-93 series



Linka H 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 water capacity of Linka boilers ensures good heat accumulation, which combined with the large heating surface optimises operation and reduces the number of boiler starts.

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.



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*LIN-KA Maskinfabrik A/S is located in West-Jutland, Denmark. LIN-KA is the leading supplier to the Danish market of high-tech heat production solutions using biofuels. The company employs approximately 30 trained specialists. In the 30 years in which LIN-KA has existed, we have delivered several thousand fully automatic units to customers in Denmark and across Europe.*