

Our Products

Our product range consists of two system sizes: **25 and 50 kWel**. This covers the most common requirements in many applications. The 25 kW version (type E3) works with wood pellets, the 50 kW version can alternatively process wood pellets (type E4) or wood chips (type E5). Here are the short profiles of the systems:



ENTRENCO E3 - Wood Pellet

Compact and clean solution for industry and commerce!

Nominal output: 25 kW of electricity and 60 kW of heat

Feedstock: DIN EN Plus 6 mm A1 or certified E-Fuel biomass waste pellets

Consumption: 20 -23 kg/h*

Electrical efficiency: 25%*

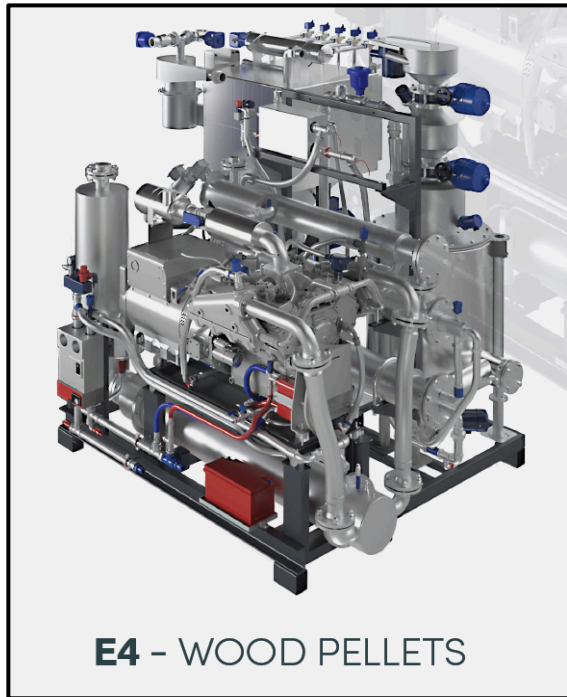
Thermal efficiency: 60%*

Temperature of heat output: 90°C / 60°C

Operating hours: up to 7500 h/a**

Control unit: Fully automated, 24/7 remotely monitored

Installation: 20 ft. container or in-house line-up



ENTRENCO E4 – Wood Pellet

Compact and clean solution for industry and commerce!

Nominal output: 50 kW of electricity and 120 kW of heat

Feedstock: DIN EN Plus 6 mm A1 or certified E-Fuel biomass waste pellets

Consumption: 44 - 46 kg/h*

Overall efficiency: 88%*

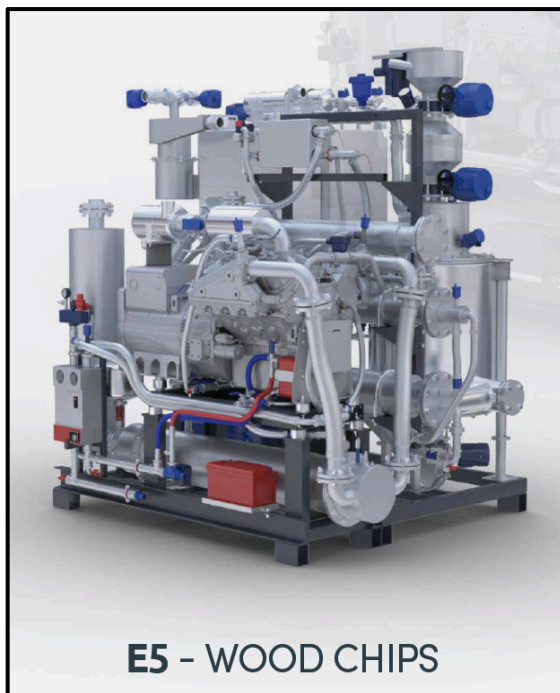
Electrical efficiency: 25%*

Thermal efficiency: 61%*

Temperature of heat output: 90°C / 60°C (5.000 l/hr)

Electrical Output: 200V / 400V @50Hz, 400V @60Hz

Operating hours: up to 7500 h/a**



ENTRENCO E5 - Wood Chips

Use of inexpensive wood chips e.g. for forestry and agriculture!

Nominal output: 50 kW of electricity and 120 kW of heat

Feedstock: Wood chips EN14961-1, P16-P45

Consumption: 45 - 47 kg/h*

Overall efficiency: 83%*

Electrical efficiency: 24%*

Thermal efficiency: 59%*

Temperature of heat output: 90°C / 60°C (5.000 l/hr)

Electrical Output: 200V / 400V @50Hz, 400V @60Hz

Operating hours: up to 7500 h/a**

Electricity and heat production can be used in different ways depending on requirements. Electricity can be consumed in whole or in part by the company itself or fed into the public grid at tariffs that are usually state-supported. The same applies to heat: it can be used to heat buildings, to generate hot water or as process heat, e.g. for drying materials, either for own use or as paid energy supply to neighbouring companies or municipal facilities.

But other applications are also conceivable.
Examples from current projects:

- Cold can be produced instead of heat
- Heat can be used to produce drinking water from air
- The gasifier can feed into a block-type thermal power station parallel to a biogas plant

Our systems are usually delivered and operated in 20-foot containers. Since they are already fully installed, they only have to be connected to the peripherals on site, which enables commissioning within a few hours. They then represent compact turn-key solutions that enable a self-sufficient energy supply practically anywhere in the world. Especially with wood as an energy source available almost everywhere.

