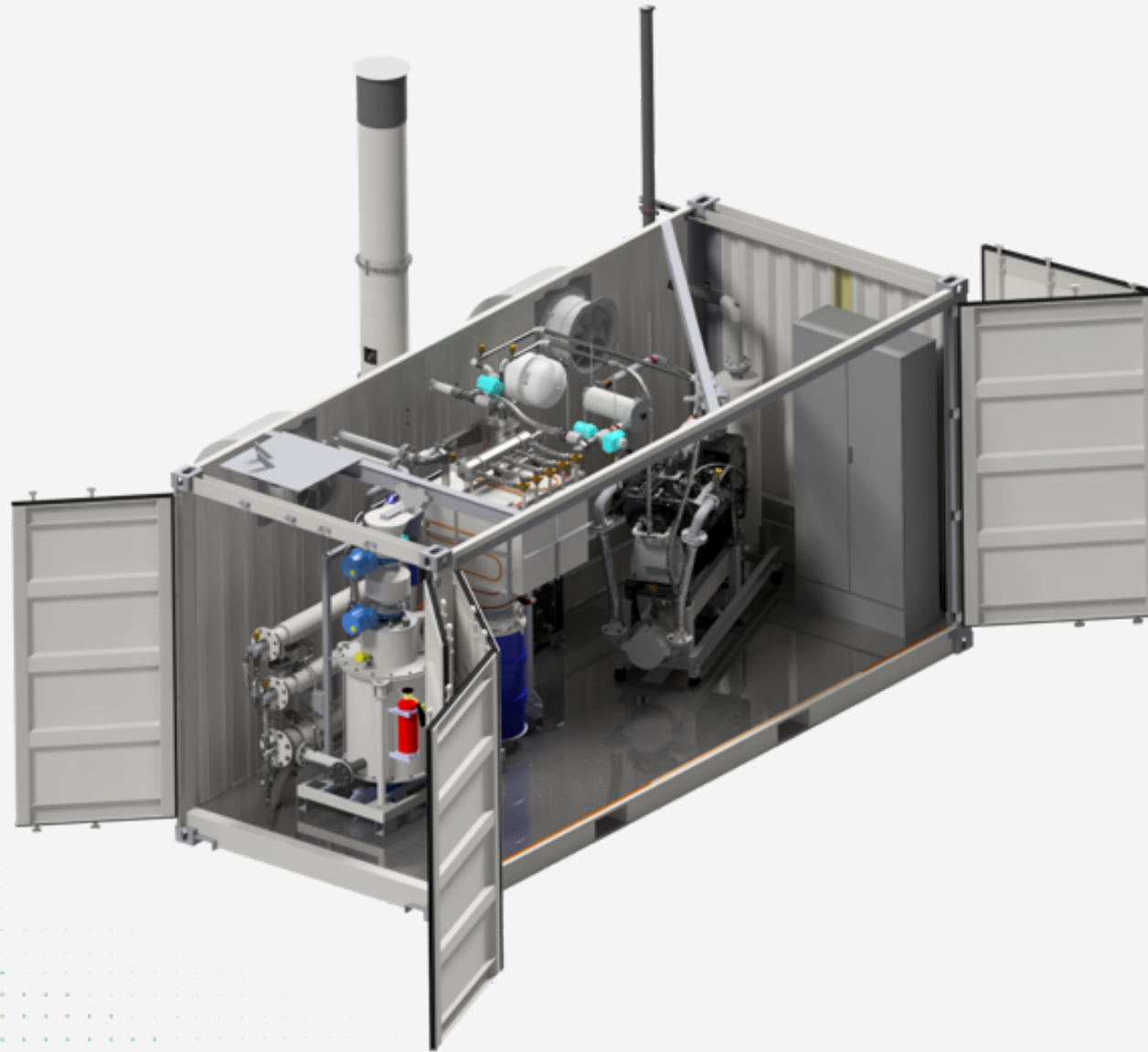


Data sheet

50 kW-Wood chips (E5)



Version: November 2022

Data sheet

50 kW-Wood chips (E5)

Power

Electrical nominal power:	50 kWel
Thermal nominal power:	120 kWth
Overall efficiency:	85%*
Electrical efficiency:	25%*
Thermal efficiency:	60%*
Max. Flow/ Return tem. :	90°C / 60°C (5,000 l/h) Return max 65°C
Operating hours:	Up to 8,000 h/a**

Raw materials and supplies

Fuel:	Woodchips EN14961-1, P16-P45, 8% - 10% moist
Fuel consumption:	approx. 45 – 48 kg/h*

Electric

Rated voltage:	400 V, 200 V
Control unit:	Fully automatic operation, 24/7 remote monitoring

We recommend a storage capacity of at least 18 m or 3.5²tons, which is enough for half a week. Container solution in 10 ft container is available.

*dependent on fuel quality

**dependent on maintenance and fuel quality

***plus periphery

E5 SYSTEM installed in the container (Plug- & Play-Solution)

Enclosure type:	20 ft HC-Sea Container
Container Dimension***:	L 6.058 m x W 2.438 m x H 2.869 m
Weight:	Approx. 6 tons

About WegscheidEntrenco

WegscheidEntrenco's biomass cogeneration plants provide you with low-emission, clean and carbon-neutral energy from wood pellets, wood chips and selected waste materials.

- Modular energy systems for industry and commerce "Made in Germany"
- Scalable from 50kW to 2MW for power, heating and cooling
- Turnkey commissioning in 2 days (depending on site preparation)

WegscheidEntrenco offers the lowest cost electricity generation available 24/7. A new standard for affordable and reliable energy supply.

Please feel free to contact us if you are interested.



www.we-bioenergy.com/kontakt



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