

## DATASHEET

MODEL	CW700-200+	CW1000-300	CW1200-400	CW1800-500
Electrical power	(1) 200 kW	300 kW	400 kW	500 kW
Thermal power 90 °C	326 kW	488 kW	615 kW	770 kW
Thermal power ~50 °C (2)	155 kW	231 kW	305 kW	383 kW
Fuel heat capacity	721 kW	1,067 kW	1,368 kW	1,754 kW
Fuel demand (dry)	140 kg/h	208 kg/h	267 kg/h	342 kg/h
Specific fuel demand (dry)	0.70 kg/kWh el	0.69 kg/kWh el	0.67 kg/kWh el	0.68 kg/kWh el
Premium charcoal	1.98 m <sup>3</sup> /d	2.9 m <sup>3</sup> /d	3.7 m <sup>3</sup> /d	4.7 m <sup>3</sup> /d

Space required by gas generator (3)	ca. 100 m <sup>2</sup>	ca. 105 m <sup>2</sup>	ca. 120 m <sup>2</sup>	ca. 120 m <sup>2</sup>
Space required by engine (3)	ca. 55 m <sup>2</sup>	ca. 55 m <sup>2</sup>	ca. 55 m <sup>2</sup>	ca. 55 m <sup>2</sup>
Space required by bunker (week's supply)	155 m <sup>3</sup>	220 m <sup>3</sup>	278 m <sup>3</sup>	ca. 418 m <sup>3</sup>

Fuel quality	Wood chips G50, W50 (4), with fine fraction and bark
Generator voltage	400 V, 50 Hz
Heating circuit	Customer-specific heat integration, e.g.:supply / return 90 °C / 70 °C, high and low temperature circuits, cold and steam

Deliverables (minimum)	Gas generator, engine, controller, walkway, gas flare
Options	Drying, bunker, feed, low temperature usage packet, big bag filling station (charcoal)
Scope of service	High level of flexibility starting with planning, support with approval processes, delivery, installation of the turn-key plant, start-up and service

(1) ... expandable to an electric output of up to 250 kW

(2) ... with optional upgrade for low-temperature usage; temperature is subject to seasonal fluctuations

(3) ... Customer-specific adaptation possible

(4) ... <W10 in front of the gas generator inlet; drying is ensured by adding the optional upgrade



### FACTS

- › Fuel utilisation efficiency up to 92 %
- › 30 % electrical efficiency
- › CO<sub>2</sub> neutral energy generation
- › economic fuel wood chip
- › Premium charcoal
- › patented energy technology

**SynCraft Engineering GmbH**  
Münchner Strasse 22, 6130 Schwaz

T +43 (0) 5242 62510  
F +43 (0) 5242 62646

office@syncraft.at

**www.syncraft.at**





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We close it.

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