

CHP UNIT

NATURAL GAS CHP UNIT UTILISING CONDENSING TECHNOLOGY



CORNELIS VAN SPRONSEN LANDSCAPING

Gärtnerstraße 3, 26810 Westoverledingen, Germany

The BOMAT O2-GG-1064-MT-4-9-3 exhaust gas heat exchanger is used as a downstream condensing heat exchanger in an MTU CHP unit. The heat recovered is supplied to the heating system via a 25 m³ buffer cylinder, to heat the greenhouses.

Heat generator:	MTU BGS 301-438
Fuel:	<input type="radio"/> Fuel oil <input checked="" type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas
Exhaust gas heat exchanger:	O2-GG-1064-MT-4-9-3 (year of manufacture: 2013)
Coolant temperature:	approx. 45 °C (upstream of HE) ➔ approx. 55 °C (downstream of HE)
Heat recovery per year:	approx. 176,700 kWh
CO₂ reduction per year:	approx. 35,300 kg
Plant manufacturer:	Rinke Energietechnik, Im Unteren Maarfeld 10, 53619 Rheinbreitbach, Germany

➔ Estimated payback period **less than 3 YEARS.**

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