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Ref. No.:
1343-25101300

Overview and Technical Data:

SOKRATHERM GG 140 S - combined heat & power plant 142kW

SOKRATHERM



Year of Build:
Blockheizkraftwerke
Oct 2011

Description:

Used SOKRATHERM GG 140 SoE - Gas Combined heat & power unit 142kW

The natural gas-fueled cogeneration unit has a thermal output of 216 kW and an electrical output of 142 kW for the power supply, and is ideally suited to compensate for the constantly rising energy prices through self-generation. The CHP unit works on the principle of cogeneration, which means that in addition to electricity, heat can also be generated.

Stand 17.12.2021

- 60502 Bh
- 3768 Starts

Technical data

- Gross active power: 199 kW
- Net active power: 142 kW
- Apparent power: 177,5 kVA
- Rated voltage: 400 V
- Rated current: 257 A
- Electrical efficiency: 36,2
- Thermal power: 216 kW
- Thermal efficiency: 55,1
- Total efficiency: 91, 3%
- Gas consumption: 392 kW H
- Electric power factor: 0,64
- Primary energy factor: 0,194

- Maintenance interval: 1.500 operating hours
- Major overhaul: 50,000 after approx. [Bh]
- Airborne sound pressure level: 69 dB

Generator:

- Manufacturer: MarelliGenerators
 - Model: MJB 250 LB4
-

CHP - combined heat and power plants

Combined heat and power plants or industrial plants that produce thermal energy and cogeneration, using a combustion engine to produce both electricity and heat. Especially in times when productivity and economic security are becoming increasingly important, CHP can contribute to environmental protection and at the same time reduce personnel costs. The operation of cogeneration is very efficient, as the combination of electricity generation and heat production can be up to 95% efficient. This is possible by using the heat generated during electricity production for heating purposes, which means that practically nothing is lost in terms of heat and energy. CHP is not only environmentally friendly, but can also reduce electricity bills, as self-produced electricity is often cheaper than the alternative grid.

Technical Data:

Technical Data:

Control:

[CNC](#)

Machine Hours:

3768

Dimensions and Weight:

Height:

1.830 mm

Length:

2.500 mm

Width:

900 mm

Weight:

2.850 kg

Buyer Information:

Condition:

[Very good condition](#)

Available:

[Immediately](#)

Sold as:

[EXW \(Ex Works - Incoterm\)](#)

VAT:

19 %

Buyers Premium:

16 %

Location:

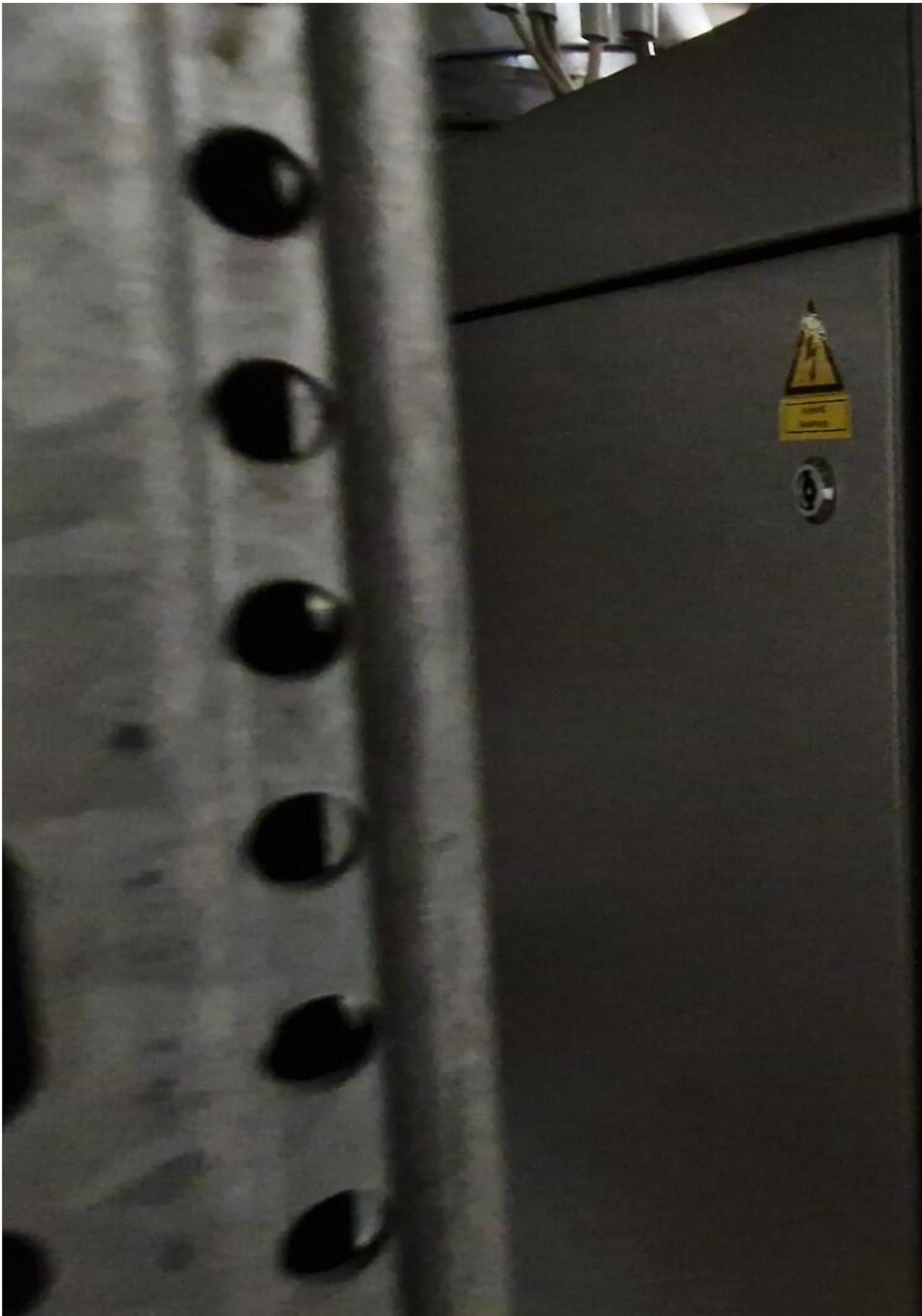
Germany

Images:











BHKW-Kompaktmodul
compact CHP unit

SOKRATHERM®

Baujahr
year of construction

2011

Spezifikation
specification

WP 7L-70 B

BHKW-Typ
CHP-type

GG 140 S oE

Energieeinsatz
energy input

392 kW

thermische Nennleistung
rated thermal power

216 kW

elektrische Nennleistung
rated electric power

142 kW

max. Lufttemperatur
max. air temperature

25 °C

Aufstellhöhe
altitude

<100 m üNN

Fertigungsnummer
serial number

F110102

Steuerspannung
control voltage

24 V

Nennfrequenz
rated frequency

50 Hz

Nennzahl
rated speed

1500 1/min

Nennleistungsfaktor
rated power factor

cos φ 0,8

Nennstrom
rated current

256 A

Nennspannung
rated voltage

400 V

max. Heizwasserdruck

max. Heizwasseraustritt

max. Heizwassereintritt

Video:



Asset-Trade

Assessment and Sale of Used Assets world wide

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Germany

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Web.: <https://www.asset-trade.de/en>

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CHP-type

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