

**Emergency power system 3000 kVA for your backup power supply with MTU engine 20 V 4000 G 34 F**

**Completion:**

**Generating Set:** stationary **Gen Set:** baseframe

**Technical Data Engine:**

|                             |               |                      |                    |
|-----------------------------|---------------|----------------------|--------------------|
| <b>Engine Manufacturer:</b> | MTU           | <b>Engine Type:</b>  | 20 V 4000 G 34 F   |
| <b>Engine No.:</b>          | in Produktion | <b>Engine Power:</b> | 2590 KW            |
| <b>Cooling:</b>             | water-cooled  | <b>Starting:</b>     | electrical 24 V DC |
| <b>Rotation:</b>            | 1500 rpm      | <b>Fuel:</b>         | heating oil EN 590 |

**Technical Data Generator:**

|                                |                |                      |                  |
|--------------------------------|----------------|----------------------|------------------|
| <b>Generator Manufacturer:</b> | Stamford AvK   | <b>Gen Set:</b>      | Synchron mit AVR |
| <b>Gen No.:</b>                | in Produktion  | <b>Gen Power:</b>    | 3000 kVA         |
| <b>Voltage:</b>                | 400 / 231 Volt | <b>Power Factor:</b> | cos. - phi 0,8   |
| <b>Rotation:</b>               | 1500 rpm       |                      |                  |

**Control Unit:**

|                       |                   |                      |                 |
|-----------------------|-------------------|----------------------|-----------------|
| <b>Setup:</b>         | automatic start   | <b>Functions:</b>    | emergency power |
| <b>Switch:</b>        | gen switch 4 pole | <b>Delivery:</b>     | set up          |
| <b>Width ca. mm:</b>  |                   | <b>Depth ca. mm:</b> |                 |
| <b>Height ca. mm:</b> |                   |                      |                 |

**Tank**

|                      |                                 |                          |      |
|----------------------|---------------------------------|--------------------------|------|
| <b>Setup:</b>        | Baseframe fuel Tank with Bassin |                          |      |
| <b>Width ca. mm:</b> |                                 | <b>Height ca. mm:</b>    |      |
| <b>Depth ca. mm:</b> |                                 | <b>Capacity / Litre:</b> | 2000 |

**Dimensions of unit:**

|                       |       |                       |        |
|-----------------------|-------|-----------------------|--------|
| <b>Length ca. mm:</b> | 5.760 | <b>Height ca. mm:</b> | 2.332  |
| <b>Width ca. mm:</b>  | 1.887 | <b>Weight ca. KG:</b> | 16.500 |

**Usage:**

|                          |                |                               |             |
|--------------------------|----------------|-------------------------------|-------------|
| <b>State:</b>            | new            | <b>year of manufacture:</b>   | 2023        |
| <b>time of delivery:</b> | 12 / 2023      | <b>Price plus VAT in 1/2:</b> | on request: |
| <b>Operating Hours:</b>  |                |                               |             |
| <b>Location:</b>         | Verl - Germany |                               |             |
| <b>Stock No:</b>         |                | <b>Reserved:</b>              | nein / no   |

**Delivery Contents:**

Still freely configurable emergency power system for your backup power supply

Optional with 40 ft. HC container, delivery time then + 4 weeks

The built-in emergency power control, manufacturer ComAp, type IntelliGen4 500 is designed for uninterrupted reverse synchronization overlap synchronization with control of your on-site mains generator switchover.

Internal day tank (2,000 liters) in the base frame with drip tray. Optionally with leakage monitoring

Fuel consumption according to MTU data sheet:

Fuel consumption 50% l/h 335.5 = 225 g/kwh  
 Fuel consumption 75% l/h 510.2= 218 g/kwh  
 Fuel consumption 100% l/h 689.6 = 215 g/kwh

Autonomy at 75% of load h. &#8776; 4 hours

-/-

Engine Fluids and Equipment

Type Lubricant Oil SAE 15W40  
 Amount of lubricating oil: 390 liters

Amount of coolant: 205 liters  
 Amount of coolant: 50 liters of charge air circuit

Battery capacity Ah 120  
 Number of batteries\* 2 x 12 volt

-/-

Air data & energy balance:

Combustion air volume flow PRP: 3.7 m3/sec.

Exhaust gas flow PRP: -10.3 m3/sec  
 Exhaust gas temperature PRP: 535 °C  
 Max. exhaust back pressure mbar: 30.00

heat dissipation:

Cooling water: 1100 KW  
 Charge air circuit: 660  
 Radiant heat: 105 KW

Exhaust emissions:

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NOx + NMHC: 1700 mg/Nm<sup>3</sup>  
CO: 300 mg/Nm<sup>3</sup>  
PM: 50 mg/Nm<sup>3</sup>