

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:

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

Technical Data Generator:

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

Control Unit:

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

Tank

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

Dimensions of unit:

| | | | |
|-----------------------|-------|-----------------------|--------|
| Length ca. mm: | 5.760 | Height ca. mm: | 2.332 |
| Width ca. mm: | 1.887 | Weigth ca. KG: | 16.500 |

Usage:

| | | | |
|--------------------------|----------------|-------------------------------|-------------|
| State: | new | year of manufacture: | 2023 |
| time of delivery: | 12 / 2023 | Price plus VAT in 1/2: | on request: |
| Operating Hours: | | | |
| Location: | Verl - Germany | | |
| Stock No: | | Reserved: | 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. ≈ 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/Nm³
CO: 300 mg/Nm³
PM: 50 mg/Nm³