

Emergency power system ESP as backup power supply with a rated output of 510 kVA with MTU engine 10 V

1600 G 20 F parallel to the mains

Completion:

| | | | |
|----------------------------------|---------------------------------|-------------------------------|---------------------|
| Generating Set: | stationary | Gen Set: | silent Set |
| Technical Data Engine: | | | |
| Engine Manufacturer: | MTU | Engine Type: | 10 V 1600 G 20 F-3E |
| Engine No.: | 1666000320 | Engine Power: | 448 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: | HCI 544 D1 |
| Gen No.: | N23F245346 | Gen Power: | 510 kVA |
| Voltage: | 400 / 231 Volt | Power Factor: | cos. - phi 0,8 |
| Rotation: | 1500 rpm | | |
| Control Unit: | | | |
| Setup: | automatic start | Functions: | parallel operation |
| Switch: | gen switch 4 pole | Delivery: | set up |
| Width ca. mm: | | Depth ca. mm: | |
| Height ca. mm: | | | |
| Tank | | | |
| Setup: | Baseframe fuel Tank with Bassin | Height ca. mm: | |
| Width ca. mm: | | Capacity / Litre: | 990 |
| Depth ca. mm: | | | |
| Dimensions of unit: | | | |
| Length ca. mm: | 4.860 | Height ca. mm: | 2.585 |
| Width ca. mm: | 2.060 | Weigth ca. KG: | 6.000 |
| Usage: | | | |
| State: | new | year of manufacture: | 2024 |
| time of delivery: | ex work | Price plus VAT in 1/2: | on request: |
| Operating Hours: | neu | | |
| Location: | Verl - Germany | | |
| Stock No: | | Reserved: | nein / no |

Delivery Contents:

Sound-insulated emergency power system NEA for outdoor installation as a backup power supply with a nominal output of 510 kVA with MTU motor 10 V 1600 G 20 F parallel to the mains

The built-in emergency power control is designed for uninterrupted reverse synchronization overlapping synchronization with control of your on-site mains generator switchover.

Internal day tank (990 litres) in the base frame with drip tray. Optionally with leakage monitoring

Fuel consumption according to MTU data sheet:

Fuel consumption 50% l/h 57
Fuel consumption 75% l/h 78
Fuel consumption 100% l/h 100

Autonomy at 75% of load h. ≈ 12 h

-/-

Engine Fluids and Equipment

Type Lubricant Oil SAE 15W40
Amount of lubricating oil: 60 litres

Battery capacity Ah 180
Number of batteries* 2 x 12 volt

-/-

Air data & energy balance:

Combustion air flow rate PRP: 1620 m3/H
Cooling air flow rate PRP: 34,920 m3/H

Exhaust flow PRP: 4,500 m3/H
Exhaust gas temperature PRP: 520 °C
Max. exhaust back pressure mbar: 85

Product Images





