

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
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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	Weigh 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