

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		
Width ca. mm:		Height ca. mm:	
Depth ca. mm:		Capacity / Litre:	990
Dimensions of unit:			
Length ca. mm:	4.860	Height ca. mm:	2.585
Width ca. mm:	2.060	Weight ca. KG:	6.000
Usage:			
State:	new	year of manufacture:	2024
time of delivery:	ex work	Price plus VAT in %:	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





