

**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:**

<b>Generating Set:</b>	<b>stationary</b>	<b>Gen Set:</b>	<b>silent Set</b>
<b>Technical Data Engine:</b>			
<b>Engine Manufacturer:</b>	MTU	<b>Engine Type:</b>	10 V 1600 G 20 F-3E
<b>Engine No.:</b>	1666000320	<b>Engine Power:</b>	448 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
<b>Technical Data Generator:</b>			
<b>Generator Manufacturer:</b>	Stamford AvK	<b>Gen Set:</b>	HCI 544 D1
<b>Gen No.:</b>	N23F245346	<b>Gen Power:</b>	510 kVA
<b>Voltage:</b>	400 / 231 Volt	<b>Power Factor:</b>	cos. - phi 0,8
<b>Rotation:</b>	1500 rpm		
<b>Control Unit:</b>			
<b>Setup:</b>	automatic start	<b>Functions:</b>	parallel operation
<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>			
<b>Tank</b>			
<b>Setup:</b>	Baseframe fuel Tank with Bassin	<b>Height ca. mm:</b>	
<b>Width ca. mm:</b>		<b>Capacity / Litre:</b>	990
<b>Depth ca. mm:</b>			
<b>Dimensions of unit:</b>			
<b>Length ca. mm:</b>	4.860	<b>Height ca. mm:</b>	2.585
<b>Width ca. mm:</b>	2.060	<b>Weigth ca. KG:</b>	6.000
<b>Usage:</b>			
<b>State:</b>	new	<b>year of manufacture:</b>	2024
<b>time of delivery:</b>	ex work	<b>Price plus VAT in 1/2:</b>	on request:
<b>Operating Hours:</b>	neu		
<b>Location:</b>	Verl - Germany		
<b>Stock No:</b>		<b>Reserved:</b>	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. &#8776; 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**





