

**Sold Emergency power unit with MTU engine, soundproofed, as a 620 kVA emergency power system as an  
emergency power supply**

**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>	12 V 1600 G 10 F
<b>Engine No.:</b>	in Produktion	<b>Engine Power:</b>	524 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>	A. van Kaick	<b>Gen Set:</b>	synchron mit AVR
<b>Gen No.:</b>	in Produktion	<b>Gen Power:</b>	680 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>	emergency power parallel
<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>Width ca. mm:</b>		<b>Height ca. mm:</b>	
<b>Depth ca. mm:</b>		<b>Capacity / Litre:</b>	990
<b>Dimensions of unit:</b>			
<b>Length ca. mm:</b>	4.820	<b>Height ca. mm:</b>	2.550
<b>Width ca. mm:</b>	1.850	<b>Weighth ca. KG:</b>	7.250
<b>Usage:</b>			
<b>State:</b>	demonstration set	<b>year of manufacture:</b>	2022
<b>time of delivery:</b>	11 / 2022	<b>Price plus VAT in 12%:</b>	on request:
<b>Operating Hours:</b>	1		
<b>Location:</b>	Verl - Germany		
<b>Stock No:</b>		<b>Reserved:</b>	nein / no

**Delivery Contents:**

Emergency power generator as a backup generator for your access Emergency power supply as a backup power system with MTU industrial diesel engine from the 1600 series with electronic speed control and three-phase synchronous generator. Motor and generator are mounted elastically on a common skid frame. The radiator is front mounted, fan driven by the diesel engine. Installed in a modular soundproof enclosure with generous doors for maintenance. Powder coated in RAL 9010

Consumption according to MTU data sheet:

Fuel consumption approx. 50% (PRP) 63 l/h  
Fuel consumption approx. 75% (PRP) 90 l/h  
Fuel consumption approx. 100% (PRP) 116 l/h

Electronic regulator ECU 8

Precision class control quality: G3  
Number of cylinders 12 in V-shape  
Displacement: 21 liters  
Bore / Stroke 122mm x 150mm

Oil quantity 72.5 liters  
Coolant water volume 99 liters  
Heat dissipation in the cooling water: 231 KW

Exhaust gas temperature 482 °C  
Exhaust volume 90 m³/min

Cooling air requirement 42,120 m³/min  
Combustion air requirement 2,160 m³/min

Other additional features:

Internal automatic start-stop (type: Comap Intelygen IG 200) with display of all engine and generator messages. Functional indication digitally on the display. Generator switch 1,000 amps, 4 poles integrated in the unit (generator). Internal battery charger 230 volts - 24 volts DC

Optionally available at extra cost:

Automatic start with mains & generator switching 4-pole

External emergency power switchgear for installation in the building and 4-pole mains generator switchover

Function: In the event of a power failure, the start command is transferred to the diesel generator set. When the rated speed and rated voltage is replaced, the generator switch WILL be switched on. When the mains returns, the automatic system monitors the mains voltage. When this is stable again, the switch back to mains operation takes place WITHOUT INTERRUPTION. The diesel genset WILL be stopped after the cooling time and waits in automatic mode for the next power failure.

The emergency generator with MTU engine is currently in production and available at short notice.

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Product Images



