

**Emergency power generator as a power replacement system, soundproofed with Volvo engine TAD 841 GE**

**250 kVA and ComAp IG4 200 control**

**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>	Volvo	<b>Engine Type:</b>	TAD841GE
<b>Engine No.:</b>	3008621464	<b>Engine Power:</b>	254 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	<b>Gen Set:</b>	UCDI 274 K1
<b>Gen No.:</b>	N23C127195	<b>Gen Power:</b>	250 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 overlapp
<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>	360
<b>Depth ca. mm:</b>			
<b>Dimensions of unit:</b>			
<b>Length ca. mm:</b>	3.640 mm	<b>Height ca. mm:</b>	2.291 mm
<b>Width ca. mm:</b>	1.200 mm	<b>Weigth ca. KG:</b>	3.320
<b>Usage:</b>			
<b>State:</b>	new	<b>year of manufacture:</b>	2023
<b>time of delivery:</b>	ex work	<b>Price plus VAT in 1/2:</b>	on request:
<b>Operating Hours:</b>	0		
<b>Location:</b>	Verl - Germany		
<b>Stock No:</b>		<b>Reserved:</b>	nein / no

**Delivery Contents:**

As an independent manufacturer, WA Notstromtechnik GmbH offers flexible and reliable industrial power generation units. Easy to integrate into existing electrical systems, fuel-saving with high load transfers, to name just a few advantages. Each system is equipped with a collecting tray as standard in accordance with the requirements of the AwSV.

Emergency generator 250 kVA (PRP) as a fully automatic emergency power system with a robust Volvo Penta engine. Soundproofed with approx. 72 db"A" at 7 meters (+/- 2.4) measured with an all-round measurement at 7 meters at 7 measuring points

Built-in internal emergency power switchgear with manual 4-pole generator switch 400 amps behind a door with viewing window. Automatic start with ComAp IntelliGen4 200 control

Function: In the event of a power failure, the start command is passed to the diesel generator. When the rated speed and rated voltage are reached, the generator switch (e.g. in the low-voltage main distribution) is 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 generator is stopped after the cooling time and waits in automatic mode for the next power failure.

The switchover from mains to generator operation takes place on existing motor-operated circuit breakers (e.g. in the NSHV). The advantage of this variant; Only one line is needed for the load cable.

Further features included as standard:

- Tank capacity 360 liters
- Oil collecting pan in the base frame according to AwSV
- Electronic speed controller for high load applications
- Stable base frame with forklift pockets

Additional engine data TAD 841 GE:

Characterized by impressive performance and fuel economy, all Volvo Penta engines are based on a common platform, which translates into a host of benefits, maximizing your operational productivity, always with a strong focus on the future of our industry.

Control quality G 3 according to ISO 8528-5

- Fuel consumption 28 liters / hour at 50% load
- Fuel consumption 41 liters / hour at 75% load
- Fuel consumption 55 liters / hour at 100% load

Emissions quality animal max.: EU STAGE 2

Lubrication system:

- Engine oil content: 27 liters
- Lubricating oil consumption: 0.06% of fuel consumption

Air volumes:

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Cooling air requirement: 19,400 m<sup>3</sup>/hour  
Combustion air requirement: 900 m<sup>3</sup>/hour

Exhaust system:

Exhaust gas temperature: 478 °C  
Exhaust gas back pressure max.: 80 mbar  
Exhaust gas volume: 2,604 m<sup>3</sup>/hour

Additional generator data UCIAD 841 GE:

Generator efficiency: 92.7% (100% PRP)  
AVR voltage regulator: SX 460  
Insulation class: H  
Xd (%) 255  
X'd (%) 12  
X8

The emergency power generator as a backup system is ready for operation and immediately available from the Verl warehouse.

**Product Images**







