

**Emergency generator as backup power system 300 kVA with Volvo engine TAD 842 GE and Stamford**

**generator painted in RAL 9010**

**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>	TAD 842 GE
<b>Engine No.:</b>	in Produktion	<b>Engine Power:</b>	273 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>	S4L1D-D41
<b>Gen No.:</b>	in Produktion	<b>Gen Power:</b>	300 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
<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>		<b>Height ca. mm:</b>	
<b>Width ca. mm:</b>		<b>Capacity / Litre:</b>	400
<b>Depth ca. mm:</b>			
<b>Dimensions of unit:</b>			
<b>Length ca. mm:</b>	3.600	<b>Height ca. mm:</b>	2.000
<b>Width ca. mm:</b>	1.226	<b>Weight ca. KG:</b>	2.700
<b>Usage:</b>			
<b>State:</b>	demonstration set	<b>year of manufacture:</b>	2022
<b>time of delivery:</b>	Sept. 22	<b>Price plus VAT in 12%:</b>	on request:
<b>Operating Hours:</b>	2		
<b>Location:</b>	Verl - Germany		
<b>Stock No:</b>		<b>Reserved:</b>	ja / yes

**Delivery Contents:**

Emergency power system, emergency power supply as a backup power system with a Volvo Penta industrial diesel engine with electronic speed control and cooling water preheating (230 volts) and Stamford three-phase synchronous generator. Motor and generator are mounted elastically on a common skid frame.

Other additional features:

Tank capacity 400 liters, refueling directly at the tank

Fuel consumption at 25% load 221 G/KWH  
Fuel consumption at 50% load 209 G/KWH  
Fuel consumption at 75% load 201 G/KWH  
Fuel consumption at 100% load 198 G/KWH

Internal automatic start-stop (type: Comap IG 200) with display of all important engine and generator messages. Functional indication digitally on the display. 4-pin generator switch integrated on the unit (generator). Internal battery charger 230 volts - 24 volts DC

Optional: Automatic start with 4-pole mains and generator switching, external emergency power switchgear for installation in the building and 4-pole mains-generator switching

Function: In the event of a power failure, the start command is sent to the diesel unit. When the nominal speed and nominal voltage are reached, the generator switch is switched on. When the mains returns, the automatic system monitors the mains voltage. When this is stable again, the system switches back to mains operation. The diesel unit is stopped after the cooling time and waits in automatic mode for the next power failure.

The emergency power system as an emergency power supply is ready for operation and available from September.

**Product Images**









