

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

250 kVA and ComAp IG4 200 control

Completion:

Generating Set:	stationary	Gen Set:	silent Set
Technical Data Engine:			
Engine Manufacturer:	Volvo	Engine Type:	TAD841GE
Engine No.:	3008621464	Engine Power:	254 KW
Cooling:	water-cooled	Starting:	electrical 24 V DC
Rotation:	1500 rpm	Fuel:	heating oil EN 590
Technical Data Generator:			
Generator Manufacturer:	Stamford	Gen Set:	UCDI 274 K1
Gen No.:	N23C127195	Gen Power:	250 kVA
Voltage:	400 / 231 Volt	Power Factor:	cos. - phi 0,8
Rotation:	1500 rpm		
Control Unit:			
Setup:	automatic start	Functions:	parallel operation overlapp
Switch:	gen switch 4 pole	Delivery:	set up
Width ca. mm:		Depth ca. mm:	
Height ca. mm:			
Tank			
Setup:	Baseframe fuel Tank with Bassin	Height ca. mm:	
Width ca. mm:		Capacity / Litre:	360
Depth ca. mm:			
Dimensions of unit:			
Length ca. mm:	3.640 mm	Height ca. mm:	2.291 mm
Width ca. mm:	1.200 mm	Weigth ca. KG:	3.320
Usage:			
State:	new	year of manufacture:	2023
time of delivery:	ex work	Price plus VAT in 1/2:	on request:
Operating Hours:	0		
Location:	Verl - Germany		
Stock No:		Reserved:	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:

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

250 kVA and ComAp IG4 200 control

Cooling air requirement: 19,400 m³/hour
Combustion air requirement: 900 m³/hour

Exhaust system:

Exhaust gas temperature: 478 °C
Exhaust gas back pressure max.: 80 mbar
Exhaust gas volume: 2,604 m³/hour

Additional generator data UCIAD 841 GE:

Generator efficiency: 92.7% (100% PRP)
AVR voltage regulator: SX 460
Insulation class: H
X_d (%) 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







