

Emergency generator as backup power system with a rated output of 700 kVA with Volvo Penta engine TWD

1645 GE parallel to the mains

Completion:

Generating Set:	stationary	Gen Set:	silent Set
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Technical Data Engine:

Engine Manufacturer:	Volvo Penta	Engine Type:	TWD 16 45 GE
Engine No.:	auf Anfrage	Engine Power:	616 KW PRP 675 KW LTP
Cooling:	water-cooled	Starting:	electrical 24 V DC
Rotation:	1500 rpm	Fuel:	heating oil EN 590

Technical Data Generator:

Generator Manufacturer:	Stamford AvK	Gen Set:	S6L1D-C
Gen No.:	auf Anfrage	Gen Power:	700 kVA
Voltage:	400 / 231 Volt	Power Factor:	cos. - phi 0,8
Rotation:	1500 rpm		

Control Unit:

Setup:	automatic start	Functions:	emergency power
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:	950
Depth ca. mm:			

Dimensions of unit:

Length ca. mm:	5.520	Height ca. mm:	2.570
Width ca. mm:	1.860	Weigth ca. KG:	6.600

Usage:

State:	New	year of manufacture:	2024
time of delivery:	ex work	Price plus VAT in 1/2%:	on request:
Operating Hours:	1		
Location:	Verl - Germany		
Stock No:		Reserved:	nein / no

Delivery Contents:

New, soundproofed (69 db"A" (+/- 2.4) as the mean value of an all-round measurement at 7 measuring points) emergency power generator type WA-VG 700 "S" as backup power supply, designed for continuous operation around the clock.

The silencer hood is modular with spacious lockable doors for maintenance.

The built-in emergency power control, manufacturer ComAp, type IntelliGen4 200 is designed for uninterrupted reverse synchronization overlapping synchronization with control of your on-site mains generator switchover.

Internal day tank (950 liters) in the base frame with drip pan. Optionally with leakage monitoring

Fuel consumption according to Volvo data sheet:

Fuel consumption 25% l/h 40.40
 Fuel consumption 50% l/h 76.40
 Fuel consumption 75% l/h 109.10
 Fuel consumption 100% l/h 141.80

Autonomy at 75% of load h. ≈ 9 h

-/-

Engine Fluids and Equipment

Type Lubricant Oil SAE 15W40
 Amount of lubricating oil: 48 liters
 Type Coolant Antifreeze VCS (Yellow)
 Amount of coolant: 135 liters
 Suction filter paper cassette
 Battery capacity Ah 120
 Number of batteries* 2

-/-

Air Data & Energy Balance

Combustion air volume flow LTP: 43.50 m3/min
 Cooling Air Flow LTP: 684 m3/min
 Exhaust flow LTP: 106 m3/min
 Exhaust gas temperature LTP: 501 °C
 Max. exhaust back pressure kPa 10.00
 Exhaust heat LTP: 473 kWt
 Energy on coolant LTP: 405 kWt
 Radiant heat LTP: 26 kWt

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Product Images





