

**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:**

<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 Penta	<b>Engine Type:</b>	TWD 16 45 GE
<b>Engine No.:</b>	auf Anfrage	<b>Engine Power:</b>	616 kW PRP   675 kW LTP
<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>	S6L1D-C
<b>Gen No.:</b>	auf Anfrage	<b>Gen Power:</b>	700 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>	baseframe fuel tank with bassin		
<b>Width ca. mm:</b>		<b>Height ca. mm:</b>	
<b>Depth ca. mm:</b>		<b>Capacity / Litre:</b>	950
<b>Dimensions of unit:</b>			
<b>Length ca. mm:</b>	5.520	<b>Height ca. mm:</b>	2.570
<b>Width ca. mm:</b>	1.860	<b>Weight ca. KG:</b>	6.600
<b>Usage:</b>			
<b>State:</b>	New	<b>year of manufacture:</b>	2024
<b>time of delivery:</b>	ex work	<b>Price plus VAT in %:</b>	on request:
<b>Operating Hours:</b>	1		
<b>Location:</b>	Verl - Germany		
<b>Stock No:</b>		<b>Reserved:</b>	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. &#8776; 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







