

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 |
| 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 | | |
| Width ca. mm: | | Height ca. mm: | |
| Depth ca. mm: | | Capacity / Litre: | 950 |
| Dimensions of unit: | | | |
| Length ca. mm: | 5.520 | Height ca. mm: | 2.570 |
| Width ca. mm: | 1.860 | Weight 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





