

**Emergency power system NSA as a backup power system with a nominal output of 300 kVA with Volvo Penta**

**engine TAD 842 GE parallel to the main**

**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>           | TAD 842 GE              |
| <b>Engine No.:</b>               | in Produktion                   | <b>Engine Power:</b>          | 273 KW PRP   299 KW LTP |
| <b>Cooling:</b>                  | water-cooled                    | <b>Starting:</b>              | electrical 12 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-D                 |
| <b>Gen No.:</b>                  | auf Anfrage                     | <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>                    | baseframe fuel tank with bassin | <b>Height ca. mm:</b>         |                         |
| <b>Width ca. mm:</b>             |                                 | <b>Capacity / Litre:</b>      | 500                     |
| <b>Depth ca. mm:</b>             |                                 |                               |                         |
| <b>Dimensions of unit:</b>       |                                 |                               |                         |
| <b>Length ca. mm:</b>            | 3.770                           | <b>Height ca. mm:</b>         | 2.370                   |
| <b>Width ca. mm:</b>             | 1.350                           | <b>Weigth ca. KG:</b>         | 3.700                   |
| <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 1/2:</b> | on request:             |
| <b>Operating Hours:</b>          | neu                             |                               |                         |
| <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 300 "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 (500 liters) in the base frame with drip tray. Optionally with leakage monitoring

Fuel consumption according to Volvo data sheet:

Fuel consumption 25% l/h 16.2  
 Fuel consumption 50% l/h 34.4  
 Fuel consumption 75% l/h 49.6  
 Fuel consumption 100% l/h 65.1

Autonomy at 75% of load h. &#8776; 10 h

-/-

**Engine Fluids and Equipment**

Type Lubricant Oil SAE 15W40  
 Amount of lubricating oil: 27 litres  
 Type Coolant Antifreeze VCS (Yellow)  
 Amount of coolant: 51 liters  
 Battery capacity Ah 120  
 Number of batteries\* 2 x 12 volt

-/-

**Air Data & Energy Balance**

Combustion air volume flow LTP: 16.2 m3/min  
 Cooling air flow LTP: 372 m3/min  
 Exhaust flow LTP: -/- m3/min  
 Exhaust gas temperature LTP: 495 °C  
 Max. exhaust back pressure kPa 10.00

**Product Images**





