

**Super-silenced backup power generator as backup power supply 150 kVA with Volvo Penta engine TAD 731**

**GE Type: WA VR 165 S**

**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                           | <b>Engine Type:</b>            | TAD 731 GE         |
| <b>Engine No.:</b>               | 5312990071                      | <b>Engine Power:</b>           | 153 KW             |
| <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>   | Leroy Somer                     | <b>Gen Set:</b>                | TAL 044 J          |
| <b>Gen No.:</b>                  | 39796800001                     | <b>Gen Power:</b>              | 150 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>              | parallel operation |
| <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>       | 990                |
| <b>Dimensions of unit:</b>       |                                 |                                |                    |
| <b>Length ca. mm:</b>            | 3.640                           | <b>Height ca. mm:</b>          | 2.295              |
| <b>Width ca. mm:</b>             | 1.200                           | <b>Weigh ca. KG:</b>           | 2.560              |
| <b>Usage:</b>                    |                                 |                                |                    |
| <b>State:</b>                    | New                             | <b>year of manufacture:</b>    | 2023               |
| <b>time of delivery:</b>         | ex work                         | <b>Price plus VAT in 1/2%:</b> | on request:        |
| <b>Operating Hours:</b>          | Verl                            |                                |                    |
| <b>Location:</b>                 | Verl - Germany                  |                                |                    |
| <b>Stock No:</b>                 |                                 | <b>Reserved:</b>               | nein / no          |
|                                  |                                 |                                |                    |
|                                  |                                 |                                |                    |

**Delivery Contents:**

Super-silenced backup power unit as backup power supply with a Volvo Penta industrial diesel engine with electronic speed control and cooling water preheating (230 volts) and Leroy Somer three-phase synchronous generator. Motor and generator are mounted elastically on a common skid frame.

Other additional features:

Switching from internal to optional external tank

Tank capacity (usable 95%) 990 liters, refueling directly at the tank.

Fuel consumption at 50% load 18 litres/hour, sufficient for approx. 55 hours of operation  
Fuel consumption at 100% load 34 litres/hour, sufficient for approx. 29 hours of operation

Internal automatic start-stop (type: Comap IG 200) with display of all important engine and generator messages. Functional indication digitally on the display. Generator switch with 4-pole motor drive integrated on the unit (generator). Internal battery charger 230 volts - 12 volts DC

Function: In the event of a power failure, the start command is sent to the diesel unit. When the nominal speed and nominal voltage are reached, the generator switch is switched on. When the mains returns, the automatic system monitors the mains voltage. When this is stable again, the system switches back to mains operation "WITHOUT INTERRUPTION". The diesel unit is stopped after the cooling time (180 seconds) and waits in automatic mode for the next power failure.

In order to be able to feed into a building, a mains switch with motor drive is required on site. The control takes over the IG 200 control.

The backup power system as a backup power supply is ready for operation and immediately available from the Verl warehouse.

**Product Images**



