

Information sheet on the use of a power generator for trommel screening machines (e1, e2+, eZero)

To ensure the full performance and safety of the trommel screening machines, the following points must be observed.

The machines have the following connection data and resulting generator size:

General connection data:

- Voltage: 400 V / 50 Hz
- Plug: CEKON CEE 5x16 A / 6 h
- Mains: 5-wire mains (L1, L2, L3, N, PE)
- Back-up fuse for mains operation: 16A (circuit breaker characteristic: B/C, e.g. C16A)
- For mains operation using a residual current device (RCD): I=300mA

eZero

- Installed power: 2.95 kW
- Minimum generator size: 6.5 kVA

e1

- Installed power: 5.95 kW
- Minimum generator size: 13 kVA

e2+

- Installed power: 9.95 kW
- Minimum generator size: 13.5 kVA

When using a mobile power generator, there must be no risk to human life or damage to property due to the use of electrical energy. On the other hand, rapid operational readiness must be guaranteed, i.e. no time-consuming calibration of protective measures such as residual current devices (RCD) and earth spike and the resulting need for the presence of a qualified electrician.

The following requirements must be met:

- a. The bodies of the electrical equipment must be connected to each other via an unearthing equipotential bonding conductor
 - a. All sockets with earthing contact (DIN VDE 0100-410:2007-06 Ab. C.3.5)
 - b. Flexible connection cables must contain a protective conductor (DIN VDE 0100-410:2007-06 Ab. C.3.6)
- b. Application of the protective measures "protective separation with insulation monitoring and disconnection".
 - a. Switch-off within < 1 s if the insulation resistance falls below 100 Ohm/V.
 - b. No limitation of the cable length and compliance with the switch-off conditions when two insulation faults occur on different conductors.
 - c. The response time of the insulation monitoring device should be checked in accordance with DIN EN 61557-8 (VDE0413):2007-05.

Due to the mandatory protective measures required, the use of a power generator without insulation monitoring in conjunction with a trommel screening machine is prohibited and will invalidate the warranty.

The Gremac e1 and e2+ have an integrated pull-out for a power generator. When using your own power generator, ensure that it is suitable for use in closed enclosures and clarify this with the manufacturer if necessary. Attention must also be paid to the exhaust gas routing and ventilation.

Fresh air is supplied from below through the frame. Warm exhaust air can escape between the bunker and the frame. The use of an additional fan may be necessary in the event of permanently high temperatures.

The following generators have been tested with Gremac e1 and Gremac e2+ machines:

- Mosa GE13054HBS (gasoline)
- Mosa GE1254HZT (diesel, modified support frame: height shortened by 90 mm, Bracket offset by 40 mm in the direction of the generator)

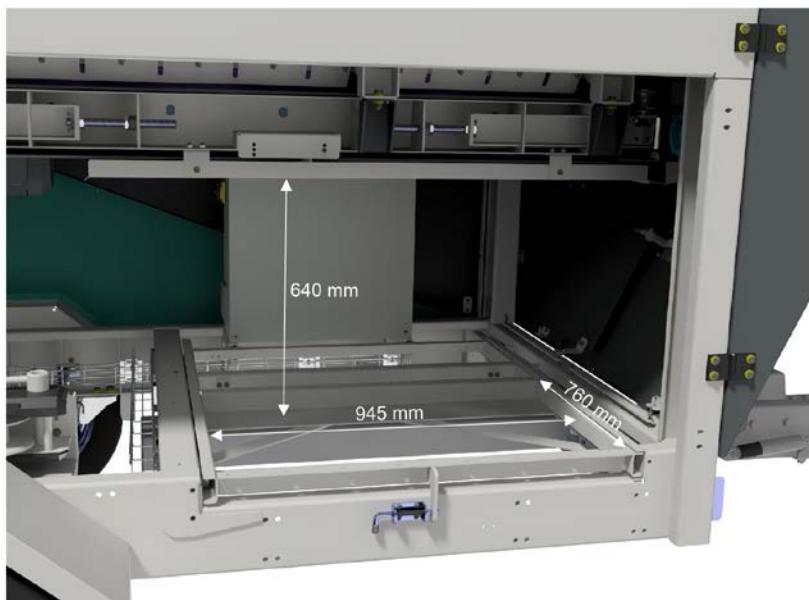
Exhaust hoses/installation kits are available for these generators. The pull-out may be loaded with a maximum of 300 kg.

Available installation space within the machine:

Height: 640 mm

Width: 945 mm

Depth: 760 mm



The connections and exhaust hoses must be designed so that the pull-out can be extended completely (approx. 700 mm) without the need for dismantling work. The power generator must be securely fastened to the pull-out (screw connection or lashing straps).

