



ESE E

100% electric - 100% green

100% ELECTRIC

Our new ESE E is the world's first fully electrically powered suction excavator from RSP, built on an electric truck chassis.

RSP's objective is to develop suction excavators for the future focussing on efficiency, sustainability and zero emissions.

In order to operate the damage-free excavation and the economical excavation times in the industry or construction sector even more sustainably as well as without pollutants, the fully electric operation of our innovative suction excavator can ensure this objective.

The best quality for you is green, now!

The double fans are driven directly by water-cooled electric motors developed by RSP.

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- Speed control by operator, others than fixed speeds are possible.

- Speed 4100 rpm, boost mode possible as well.

- Drive of both the compressor and hydraulic pump directly by one electric motor each.

All motors are controlled by electric inverters. Simultaneous charging and working is possible in a stationary mode.





GREEN SUCTION EXCAVATOR

The proven high-performance double fan with a direct electric drive ensures efficient air circulation. An hydraulic articulated hose carrier ensures reliable handling. The 8m³ container is side-discharging, offering a practical disposal option. Equipped with an RSP standard compressor, which offers a conveying capacity of 4.5 m³/min, the system guarantees strong and continuous performance. The RSP air flow and separation system enables real three-stage separation, which ensures a high level of efficiency in air cleaning.

The RSP fine filter unit with automatic compressed air cleaning ensures continuous filter performance, while the filter system with cartridge filters in a swivelling frame ensures easy maintenance and cleaning. The hydraulic system is designed for energy-efficient operation and powers both the articulated hose carrier and the rotation module. In addition, the system enables simultaneous 'driving and suction', which significantly increases efficiency and flexibility during operation. In addition, the system enables simultaneous 'driving and suction', which significantly increases efficiency and flexibility during operation.

The robust chassis ensures safe and stable movement of the suction excavator.

The chassis

- Fully reconstructed 32T MAN Framo Chassis
- 8x4-4 Chassis and electric drive train
- Power: 400 KW engine power

Charging capacities

- 150 KW DC
- 22 KW AC - Type 2

Battery capacity

- 2 x 230 KWh - 460 KWh

Battery location

- 1 x 230 KWh between AGH und driver's cab-
- 2 x 115 KWh, both sides between front and rear axles

Specification

- proven doule fan and 8m³ container



The RSP suction system is 100% connected to the batteries and can utilise the full capacity of all batteries.

The operating time is approx. 6 hours with a fully charged battery and average usage.

The new concept of our fully electric ESE E is also suitable for use with hydrogen vehicles.





RSP GmbH & Co. KG
Zum Silberstollen 10
07318 Saalfeld
www.rsp.com

