



B17E / Electro Battery

SENBOGEN



ELECTRIC MATERIAL HANDLER WITH BATTERY TECHNOLOGY

 18 t

 9 m

 75 kW

 252 kWh
Li-Ion Battery

B17E

► ELECTRO

► BATTERY

Zero emissions, without compromises!

30 t CO₂ savings per year
6 hours working in battery mode
Work and charge at the same time

Technical details

- Operating weight (incl. 500 l grab): 18.3 t
- Reach: 9 m
- Engine rated power: 75 kW
- Battery capacity: 252 kWh
- Battery technology: Li-Ion Battery
- Charging power: 44 kW via on-board charger
- Full charge cycles: > 3.000
- Power connection: on the undercarriage with 63 A CEE plug (400 V / 50 Hz)

The concept

- Maximum mobility and uninterrupted work in recycling operations thanks to Dual Power Management
- Powerful battery pack in the rear of the machine for 6 h operating time without recharging
- Flexible charging of the battery even during work due to charging point on the undercarriage

The environmental footprint

- The machine operates noticeably quieter and with less vibration than diesel-powered machines. People and nature are noticeably unburdened
- Enormously positive CO₂ footprint: > 30 tonnes of CO₂ saved per year assuming 2,000 operating hours
- Maintenance-free, reduced service-work, no need to supply fossil raw materials (diesel, engine oil)

The profitability

- Plug & Play: No costly investments in charging stations, but conveniently use existing infrastructure
- Connection via standardized 63 A CEE plug to existing high voltage socket
- Work without interruptions: Flexible recharging of the battery during stationary activities

Highest safety

- No intervention in the high-voltage system necessary: The dual power management system detects the energy source (battery or mains power) and switches to the corresponding working mode automatically.
- In addition to regular diagnosis, the machine detects malfunctions and interventions in the HV system and then switches off in a controlled manner
- Long battery life: The temperature control of the battery cells always ensures the ideal cell temperature

THE MOST IMPORTANT ADVANTAGES AT A GLANCE

Zero Emissions

With an assumed 2,000 operating hours per year and energy generation from renewable energy sources, the battery-powered material handler saves more than 30 tonnes of CO₂ per year. Maintenance work is eliminated, and at the same time the machine operates completely without fossil raw materials and with reduced vibration and noise. People and nature are noticeably unburdened.

Unlimited in time

6 hours of use without recharging. After that, work can continue in stationary mains operation with wired power supply via the undercarriage. The machine can continue to swivel and work 360°. If more power is supplied to the machine than it consumes, this is used to charge the batteries at the rear, so that the machine can subsequently operate independently again.

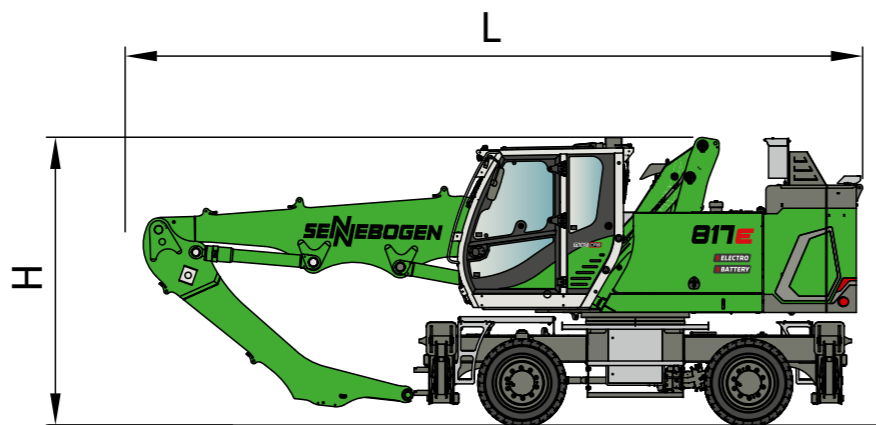
Use existing infrastructure

Thanks to the 63 A CEE plug system used, the existing infrastructure of an industrial plant can be used: a 63 A high-voltage socket is sufficient. Investments in expensive charging columns can be avoided.

Many charging cycles, long service life

Especially durable: the 817 Electro Battery uses certified high-voltage battery systems with at least 3,000 full charge cycles. In addition, the integrated power electronics ensure a particularly gentle motor start-up.

TRANSPORT DIMENSIONS



817 ELECTRO BATTERY TRANSPORT DIMENSIONS MP17

	COMPACT BOOM	GRAB STICK	TRANSPORT LENGTH (L)	TRANSPORT HEIGHT (H)
K8	4.8 m	3.3 m	8.1 m	3.2 m
K8 ULM	4.8 m	3.3 m ULM	8.1 m	3.2 m
K9	5.3 m	3.8 m	8.6 m	3.2 m
K9 ULM	5.3 m	3.8 m ULM	8.6 m	3.2 m

DUAL POWER MANAGEMENT

SENNEBOGEN
battery solutions



watch video

1 WORKING IN BATTERY MODE



The battery pack in the rear of the machine acts as the sole source of energy. The machine runs and works completely independently.

2 WORK AND CHARGE BATTERY AT THE SAME TIME



63 A CEE HIGH VOLTAGE SOCKET

Power connection on the undercarriage. Upper carriage and equipment can operate freely. If more power is supplied to the machine than it consumes, this is used to charge the batteries.

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