

VIAJET ON eACTROS 400

FAUN
KIRCHHOFF GROUP

SWEEPING. FULLY ELECTRIC.

Emission-free in operation and just as powerful as ever: The VIAJET on the fully electric Mercedes-Benz eActros 400 combines emission-free, quiet driving with the proven sweeping performance and reliability of a FAUN street sweeper. The sweeper body corresponds to the VIAJET basic model and is available in hopper sizes of 6.4 m³ and 7.6 m³.

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LOCAL CO_2-EMISSIONS

400 kW
DRIVING POWER

400 kWh
BATTERY CAPACITY

10 h
CONTINUOUS OPERATION

Driving system

The fully electric drivetrain delivers 400 kW of power, providing the same impressive performance as conventionally powered sweepers. The electric axle, consisting of an electric motor and an integrated reduction gearbox, is arranged at the rear axle in a weight-optimized manner. The propeller shaft is eliminated – creating optimal space for attachments beneath the chassis frame.

Body / M-PTO

The superstructure hydraulics and high-pressure system are powered by an M-PTO arranged on the right-hand side (electric motor with 80 kW / 145 kW peak power). The suction fan, sweeping functions and tilting functions operate via the proven VIAJET hydraulic system. The driver operates independently of the fan's power requirements; its speed can be continuously adjusted.

Battery & operating time

The vehicle batteries, with a capacity of up to 400 kWh, enable 10 hours of continuous operation without intermediate charging. They are based on a 750-volt architecture and are positioned behind the cab in a weight-optimized manner.

Charging port

Charges from 10% to 80% state of charge (SOC) in just 45 minutes at a DC fast-charging station via a CCS Type 2 connector, with charging power of up to 400 kW.

Equipment

Pushed or pulled sweeping units on both sides, a high-pressure system and a rear or top-mounted wanderhose. As usual, the VIAJET is completed by the standard patented FAUN recirculation air system.

Drive type:
⊕ electric

Configuration example

VIAJET 6

- 6,4 m³ hopper volume
- 2.700 l water
- Proven VIAJET hydraulic system
- Patented FAUN recirculation air system
- Pulled sweeping units on both sides
- High-pressure system 30 l / 100 bar
- Rear-mounted wanderhose

Mercedes-Benz eActros 400

- 19 t chassis
- 4.100 mm wheelbase
- 400 kW driving power
- 80 kW (145 kW peak) M-PTO
- 400 kWh battery capacity, 750 volt architecture
- 10 h operating time without intermediate charging
- Fast charging up to 400 kW (DC)

BASE	HOPPER VOLUME	WATER CAPACITY	WHEELBASE
VIAJET 6	6.4 m³	2,700 l	> 4,100 mm
VIAJET 7	7.6 m³	3,000 l	> 4,500 mm