

Kaiser. Performance counts.



EIGHT-HOUR OPERATING TIME WITH ZERO EMISSIONS

HIGHEST BATTERY CAPACITY

CUSTOMARY JETTING AND SUCTION POWER COMPLETE WITH RECYCLING

AquaStar EV

Powerfully electric.

WHEN EFFICIENT SEWER CLEANING GOES ELECTRIC.

Although energy-intensive use in sewer cleaning poses a challenge in terms of technical implementation, it also offers potential for cutting CO₂ emissions.

SIGNIFICANT REDUCTION IN CO₂ EMISSIONS

The AquaStar EV has a positive impact on an operator's carbon footprint after just one year of use. Up to 21,000 litres of diesel can be saved every year.

EIGHT-HOUR OPERATING TIME

With a battery capacity of 508 kWh, the AquaStar EV can keep running for a whole day. This makes it the first all-electric vehicle in the world for sewer cleaning without sacrificing anything by way of performance and efficiency.

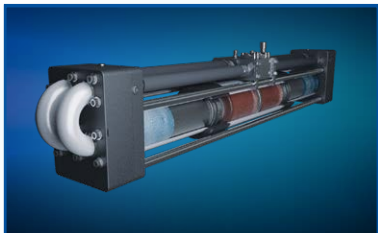
CONSTANTLY HIGH PUMP POWER

Electric high-performance auxiliary drives ensure a maximum jetting power of up to 300 litres per minute and a suction power of up to 3,100 m³/h.

USING WATER SPARINGLY

The KAISER water recycling system, which has been a pioneer in its field for many years, is the final piece in the jigsaw for an innovative and environmentally friendly vehicle concept.





KDU high-pressure pump
up to 300 l/min



KWP vacuum pump
up to 3,100 m³/h



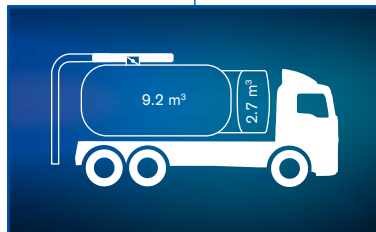
DC rapid charging
up to 350 kW



ROTOMAX
water recycling



Battery capacity
up to 508 kW



Payload up to **7,500 kg**



Two electric PTOs
each up to 125 kW

TECHNICAL SPECIFICATIONS AND EQUIPMENT

Superstructure AquaStar EV

High-pressure pump	KAISER pressure transformer KDU 148 with a maximum delivery volume of 300 litres per minute and a maximum working pressure of 200 bar
Jetting reel capacity	High-pressure jetting hose up to 300 m 1"
Recycling	ROTOMAX water recycling system
Vacuum pump	KAISER water ring pump KWP 3100i with a maximum air delivery volume of 3,100 m ³ /h
Suction/Jetting boom	Combined suction/jetting boom KSR 73 with DN150 suction hose, approx. 11.5 m extendable, 180° swivel, telescoping plus up and down function
Control system	KAISER <i>tronic</i> radio remote control with display screen, control units at the rear and in the cabin
Connected Services	KAISER <i>connect</i> fleet management plus remote maintenance and log system
Tank capacity	Sludge tank 9,200 litres + fresh water 2,700 litres
Dimensions	8,900 mm x 2,500 mm x 3,500 mm (L x W x H)
Payload	Around 7,500 kg (depending on equipment and country)

Chassis

Type	DW E-Truck 26E / Mid Cab 6x2 (also available in a four-axle version)
Total weight	26 tons + up to 2 tons of additional load (depending on country)
Engine power	500 kW / 680 hp
Battery capacity	508 kWh installed, 432 kWh usable
Gearbox	Single-speed gearbox, no switching and no clutch
Auxiliary drives	Two electric auxiliary drives, each with up to 104 kW of continuous and 125 kW of peak power
AC charging type 2	Up to 44 kW (100% SoC), 10.9 hours charging time
DC charging CCS type 2	Up to 350 kW (80% SoC), 0.9 hour charging time



The greater focus being placed globally on modern environmental technologies is making powerful, efficient vehicles for sewer cleaning and industrial disposal more important. The KAISER Group is the world's leading company in this sector.