



**CARING FOR
A CLEAN FUTURE**

A NEW GENERATION SWEEPER FOR A GREEN FUTURE

Fayat Environmental Solutions is pleased to announce that RAVO is currently developing a new compact sweeper that is fully electric. It is based on the current RAVO 5 iSeries but with a completely newly developed machine drive line. The expected launch of the RAVO 5 eSeries sweeper will take place mid-2019. In addition to the quiet and efficient electric drive, the sweeper uses the proven RAVO sweeping technology guaranteeing you a clean environment.

Green solutions - double reduction of emissions

With the eSeries, a zero emission sweeper will be introduced into the market which not only meets the increasingly stringent requirements in city centres but is also very efficient. Its environmentally friendly nature is enhanced by the application of the well-proven Hygion PM 2.5 filter system. With this the machine purifies the air of particulate matter and reduces its emissions to practically zero.

Rob Prins from the R&D department on the eSeries machine; "The electric sweeper will bring many advantages to inner cities with its zero local emissions and particulate filtering. Not only is the machine extremely energy-efficient, the technical design choices also make it possible to integrate even more environmentally friendly technologies into the machine in the future. I expect there to be many positive and unique developments for our customers in relation to this."

Silent sweeper

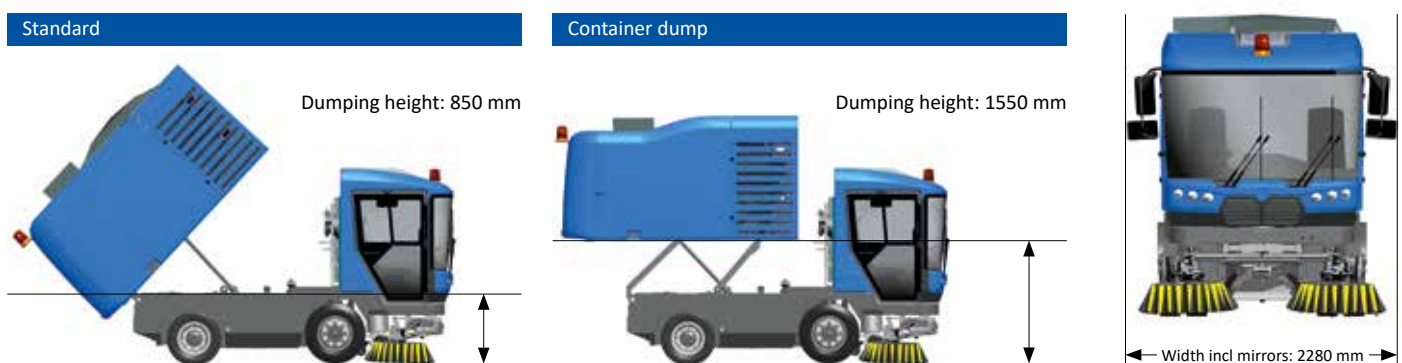
Its low noise emission makes the sweeper even more special in addition to its environmentally friendly nature. This is especially pleasing in the densely populated city centres and residential areas. Municipal authorities and service providers can therefore utilise the machine, given prevailing noise restrictions, for example for night time sweeping.



100% Electric 

RAVO 5 eSeries TECHNICAL SPECIFICATIONS

Suction system	
Capacity blower	Standard
Suction nozzle dimensions l x w	112 x 630 mm (STD)
Suction nozzle material	Corten steel (optional linatex lining available)
Suction tube diameter	225 mm (STD)
Suction tube material	Stainless Steel (optional linatex lining available)
Brush system	
Type	RAVO maintenance free pulling brush system
Available brush diameter	900mm only
Brush rotation speed	Standard
Engine & Drive system	
Emission level	zero
Battery	100 kWh/ 480 Volt
Max torque / power	1000 Nm / 100 kW
Fan RPM	Standard
Charger (included in machine)	22 kW
Power plug	CEE Form 32A/380 Volt
Performance	Fulfill an 8 hour working day**
Speed (per hour)	40 km***
Well-being	
Noise emission	3dB(A) quieter than standard
Brakes & Electricity	
Front brakes	Hydraulically operated disk brakes
Rear brakes	Electrical regenerative /drum brakes
Front suspension	Independent hydro-pneumatic suspension
Rear suspension	Rubber cone springs
Maintenance	
Container Material	Stainless Steel inside / ABS cover outside
Total amount of greasing points in sweeper	15
Battery Warranty	5 Year or 3000 Cycles
Optional Equipment	
Max. sweeping width incl. third brush	3400 (STD)
Wander hose	200 mm diameter (STD)
Third brush	750 mm diameter (STD)
High pressure water pump	15 L per min. @ 150 bar
Camera	Suction mouth, side view and rearview



Dimensions	Standard	Container dump
Volume	5 m ³	4 m ³
Length	4625 mm	4625 mm
Height	2700 mm	2510 mm
Width incl mirrors	2280 mm	2280 mm
Wheelbase	1916 mm	1916 mm
Sweeping width	2500 mm	2500 mm
Turning distance curb to curb	5070 mm	5070 mm
Min. total empty weight (curb weight)*	+200 kg	+200 kg
Max. payload*	-200 kg	-200 kg

*Depending on model | **Depending on user profile/with opportunity charging | *** Depending on local legislation
 Every effort has been made to ensure that the information in this brochure is accurate. RAVO B.V. is not responsible for printing or clerical errors.