



RAVO
FAYAT GROUP

RAVO 5 iSeries



50 YEARS OF EXPERIENCE PASSIONATE ABOUT SWEEPING

This is a special year for RAVO since we celebrate our 50th anniversary. In 1964, when RAVO was established, the foundation for the first compact vacuum street sweeper was laid. In these 50 years RAVO has grown into a modern production facility based in the Netherlands. Here we produce high quality street sweepers for customers all around the world.

Our international dealer network allows us to provide high standing service to customers worldwide. These customers include famous cities like Rome, Amsterdam, Dubai, Saint Petersburg, Washington DC, Darmstadt, Porto and Bordeaux.

RAVO successfully supports customers to find solutions for modern day issues. RAVO has helped Rome to lower the noise emission of its sweepers by developing a special silent package.

The city of Barcelona needed a sweeper that could sweep and wash simultaneously; RAVO developed the swasher option and these are just a few cases.

RAVO values close relationships with its customers; RAVO support and high service helped Berlin to achieve a higher uptime. These relationships and our one product focus has made the RAVO 5 iSeries into what it is today: World's best and most sold street sweeper.

And not without reason, RAVO delivers at all levels; whether it is about the incredible uptime, fuel savings compared to truck mounted sweepers, operator's comfort or the state of the art build quality. We will keep on going that extra mile to make the RAVO 5 iSeries to what it has become today: the benchmark in sweeping.



DESIGNED TO PERFORM THE RAVO 5 iSERIES



A SOLID FOUNDATION

Every detail of the RAVO 5 iSeries has been developed with one thing in mind: a clean street in one pass, no matter which season it is and what the conditions are. Urban or rural area, sand or leaves, desert heat or arctic cold, highways or bicycle lanes.

Therefore every RAVO is standard equipped with:

- An ergonomically designed cabin with adjustable steering column, dashboard and arm rest
- Air conditioning
- A powerful IVECO engine
- Linde hydraulics
- Stainless steel container with a volume up to 5 M³
- Loading capacity of 5500 KG
- Extreme manoeuvrability with a turning circle of only 5m (curb to curb)
- An unique pulled brush system:
 - Constant brush pressure extends the brush life with 50%
 - Maintenance friendly: no greasing required.
- Hydraulic front suspension with automatic levelling system
- Only 15 greasing points on the whole machine.



RAVO PRESENTS: NEW POSSIBILITIES WITH THE NEW iSYSTEM

At RAVO we continuously improve and develop our products. The new RAVO 5 iSeries is an excellent example of our latest innovation. With the new interactive control system, the RAVO 5 iSeries gives a new dimension to sweeping management.

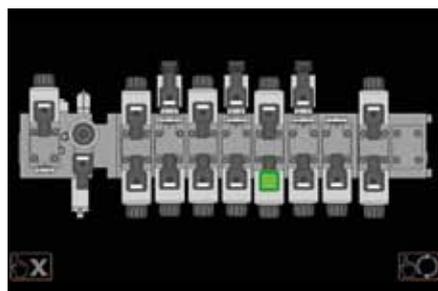
The intelligent iSystem; whether you are sweeping, dumping or driving, the screen adapts to your situation. In one overview

you can check all functions. At any moment during your sweeping job you can review your performance on the iScreen.

The iSystem shows the performance, diagnostics and notifies you when service is required. The iSystem allows you to keep full control over your sweeping performance and fleet management.



Dumping mode



Diagnostic mode



Info mode



Parameter mode



INTELLIGENCE MEETS COMFORT

When it comes to comfort, the new spacious RAVO cabin meets your wishes on ergonomically standards. The following features RAVO offers as a standard:

- iSystem
- Sound isolated cabin
- Panoramic view
- Adjustable steering column, dashboard and arm rest
- Rear view camera
- Air-conditioning
- 12V plug
- Radio with MP3 and USB
- Cup holders.

The RAVO cabin has been designed with the input of experienced international RAVO operators. There are other options available for the cabin to make you feel at ease at your job. You can choose for climate control, an air suspended driver seat, LED work lights and/or an extra storage box.



EASY MAINTENANCE

The RAVO 5 iSeries is easy to maintain:

- Unique maintenance friendly brush system
- Fan cleaner
- Big service doors for easy access
- Easy changeable brushes
- Optional easy liftable grid
- Optional high pressure water pump.

RAVO 5 iSeries, INNOVATION KEEPS YOU GOING









A VERSATILE PERFORMER

For those who need specific requirements RAVO offers a range of options to customize your RAVO 5 iSeries. Below are some examples of the available options.

Container dump

This option allows you to dump your debris directly into a container and has a dumping height of 1550 mm.

Third brush/Weed cutter

The third brush increases the sweeping range of the RAVO 5 iSeries. This option enables drivers to clean pavements and road gutters more efficiently. When used in combination with the weed cutter brush, it is extremely suitable for the environmental friendly removal of weeds. This option can be equipped with a 'quick release' feature, which allows quick removal or installation of the third brush.

Heavy duty package

Equip your sweeper with a coated suction line to extend its lifetime when working under the heaviest conditions.

High pressure water pump

The high pressure water pump feature is perfect for quickly cleaning the inside of the container, brush and suction system or street furniture.

Brush angle adjustment

With the brush angle adjustment you can position the brushes into the optimal angle to sweep gutters, which makes sweeping more efficient.

Independent brush lifting

The independent brush lifting enables you to reduce brush wear and achieve a longer lifetime of the brushes.

Swasher installation

Sweep and spray roads and pavements in just one go. The pressurized swasher allows sweeping crews to clean the most difficult reachable places, street furniture and traffic signs. Various configurations in terms of water pressure, water tanks and pumps are available.

Water recycling

This option doubles your action radius and reduces dust emission at the same time.

Wander hose

The wander hose is perfect for sucking up leaves and for emptying gutters and waste bins.

Silent package

The silent package reduces the noise level of the RAVO 5 iSeries by 15%. The package includes special software, sound absorbing materials and special silent brushes.





RAVO 5 iSeries: MADE IN HOLLAND

Being Europe's number one producer of street sweeping machines and having 50 years of experience makes RAVO a true specialist in the sweeping branch. We have the know-how and skills to meet your wishes. The RAVO 5 iSeries is built according to Dutch standards; high quality, robustness, superior technology and innovative design.



RAVO: YOUR PREFERRED PARTNER

Together with our certified and dedicated dealer network we help you exceed your expectations and overcome all challenges.

We know that your equipment must work 24/7. To proof our trust in the quality of our product we offer a standard warranty of two years or 2000 hours on every sweeper that leaves our factory. On top of that we offer a 5 year warranty on the container and chassis.



RAVO GENUINE PARTS, DESIGNED TO FIT!



Genuine RAVO parts are produced according to the highest standards of quality, durability and performance.

We carefully compose RAVO service and wear part kits to assure you always have the right parts available for a scheduled service; it's that easy.

Using RAVO Genuine Parts means:

- Receiving 12 Months warranty on parts
- Meeting the OEM specifications
- Increase the lifetime of your RAVO
- Always the right fit
- Cost savings over the long run.

For more information you can contact your local dealer who has trained parts specialists with the knowledge and experience to assist you.

RAVO ACADEMY

Training & education is highly valued by RAVO. Whether it is training of our employees and dealers or your operators and engineers. We have different training programs which are available at our own training facility. This is the RAVO Academy.

The RAVO academy enables our dealers and their customers to use and maintain the RAVO sweepers in the most efficient way. This high quality training facility at the RAVO factory in Alkmaar provides trainings on different skill levels.

Our professional RAVO trainers also offer training on location, either at the dealer or at the customer.

Contact your local dealer for more information regarding the training possibilities.



RAVO 5 iSeries TECHNICAL SPECIFICATIONS

Suction system	
Capacity blower	233 m ³
Suction nozzle dimensions l x w	112 x 630 mm
Suction nozzle material	Corten steel (optional linatex lining available)
Suction tube diameter	225 mm
Suction tube material	Stainless Steel (optional linatex lining available)
Brush system	
Type	RAVO maintenance free pulling brush system
Available brush diameter	750 mm - 900 mm
Brush rotation speed	0 - 210 rpm
Well-being	
Noise emission Lwa	109 dBA at 3 M distance
Brakes & Electricity	
Front brakes	Hydraulically operated disk brakes
Rear brakes	Hydrostatic hydraulically actuated servo drum brakes
Front suspension	Independent hydro-pneumatic suspension
Rear suspension	Rubber cone springs
Battery	2 x 12 V/Ah
Alternator	90 amperes
Voltage (V)	24 with running engine 28
Maintenance	
Container Material	Stainless Steel inside / ABS cover outside
Total amount of greasing points in sweeper	15
Warranty	2 years or 2000 engine hours whichever comes first
Optional Equipment	
Max. sweeping width incl. third brush	3400 mm
Wander hose	200 mm diameter
Third brush / Weed cutter	750 mm diameter / 900 mm diameter
Silent package Lwa	97 dBA at 3 Meter distance
High pressure water pump	15 L per min. @ 150 bar
Camera	Suction mouth, side view and rearview
Extra water capacity	Up to 1500 Liter

RAVO 5 iSeries ENGINES

Our machines are equipped with engines which comply with the most stringent emissions legislations. The RAVO 5 iSeries engines are available in Tier 3, Euro 5 or the newest engine Euro 6.

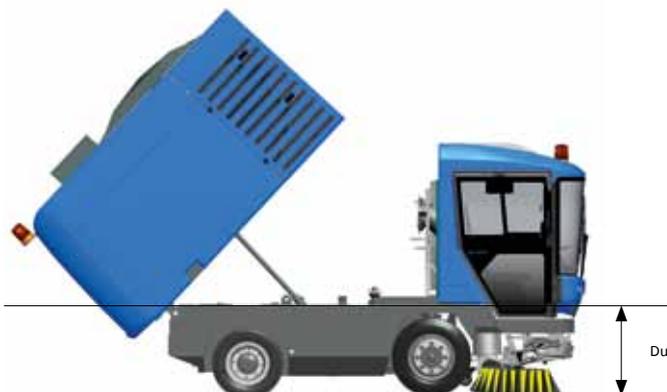


Engine & Drive system	Emission level Tier 3	Emission level Euro 5	Emission level Euro 6
Displacement	4.5 L	3.9 L	4.5 L
Maximum torque	560 Nm @ 1400 rpm	535 @ 1200-2100 rpm	580 @ 1250-1940 rpm
Maximum power	104 kW @ 2200 rpm	118 kW @ 2700 rpm	118 kW @ 2500 rpm
Engine type	Iveco Diesel 4 Cylinder	Iveco Diesel 4 Cylinder	Iveco Diesel 4 Cylinder
Speed (per hour)*	25 - 80 km	25 - 80 km	25 - 80 km
RAVO drive type and drive line system	Linde / Hydrostatic Continuously Variable		

*Depending on local legislation.

RAVO 5 iSeries DIMENSIONS, WEIGHT, CAPACITIES

Standard



Dumping height: 850 mm

Net volume	5 m ³
Dumping height	850 mm
Total empty weight (curb weight)	5950 kg
Payload	5500 kg

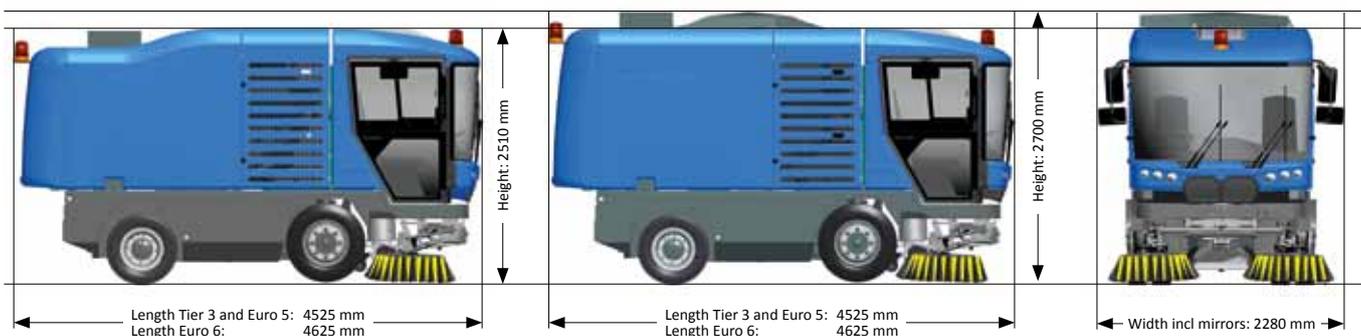
Container dump



Dumping height: 1550 mm

Net volume	4 m ³
Dumping height	1550 mm
Total empty weight (curb weight)	6160 kg
Payload	5250 kg

Dimensions



Dimensions, Weight, Capacities

	Emission level Tier 3/Euro 5	Emission level Euro 6
Length	4525 mm	4625 mm
Width incl mirrors	2280 mm	2280 mm
Wheelbase	1816 mm	1916 mm
Sweeping width	2200 - 2500 mm	2200 - 2500 mm
Turning radius curb to curb	5070 mm	5250 mm
Gradeability [%]	Up to 30%	Up to 30%
Gross vehicle weight	11400 kg	11400 kg
Capacity fuel tank	105 l	120 l
Capacity water tank	600 l	600 l

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.



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