



**RAVO**  
FAYAT GROUP

**RAVO 5 iSeries**



**50**  
YEARS  
**RAVO**  
1964 ♦ 2014

# 50 YEARS OF EXPERIENCE PASSIONATE ABOUT SWEEPING

Since we invented the pure vacuum compact street sweeper 50 years ago over 15,000 RAVO have been sold to customers all over the world. These customers include cities like Rome, Barcelona, Portland, Dubai, Montreal, Washington DC, Bordeaux, Berlin and Amsterdam to name a few. All these cities have chosen, and keep on choosing RAVO because of our commitment to build the greatest sweeper in the world.

Whether it is about the possible uptime of over 95% or the potential 42% fuel savings compared to a truck mounted sweeper, we deliver on all levels. And that attitude has made the RAVO 5 iSeries sweeper into what it is today: World's most sold sweeper.

RAVO goes back a long way in North America. It was in 1983 that the first RAVO was sold to a municipality of Hilton NY, many machines followed soon after. Since 2009 RAVO has become part of the family owned FAYAT Group (parent of BOMAG and Cedar Rapids) and we have set our focus on North America once more.

In North America we have established a growing network of well recognized distributors and have service technicians on the ground who are there to assist you and give you all the backup you need so you can focus on what you are good at: keeping your roads clean.



# DESIGNED TO PERFORM THE RAVO 5 iSERIES



## SETTING NEW STANDARDS

With a choice between Tier 3 and Tier 4 final engines, a new attractive cabin interior design and a state of the art intelligent sweeper monitoring system the new 5 iSeries sets the new benchmark in sweeping.

The unmatched performance is the result of a pure vacuum suction line combined with RAVO's unique broom system.

Spring or Autumn, sand with pine needles or leaves, ring roads or bicycle lanes, smooth tarmac or cobblestones, the 5 iSeries will clean every street in one pass. Storing all debris in its spacious 6.5 cubic yard stainless steel hopper with an unrivaled compaction rate.

### Every RAVO is standard equipped with:

- An ergonomically designed cabin with adjustable steering column, dashboard and arm rest

- Rear view and suction mouth camera
- Air conditioning
- Air ride operator seat
- Stainless steel hopper with a volume up to 6.5 cu yd.
- Loading capacity of 12,125 lbs.
- Extreme manoeuvrability with a turning circle of only 199 inch.(curb to curb)
- RAVO's unique pulled broom system:
  - Constant brush pressure extends the broom life with 50%
  - Maintenance friendly: no greasing points.
- One engine powers all: fuel savings up to 42%
- Hydraulic front suspension with automatic levelling system
- Linde hydraulics
- Only 15 greasing points on the whole machine.



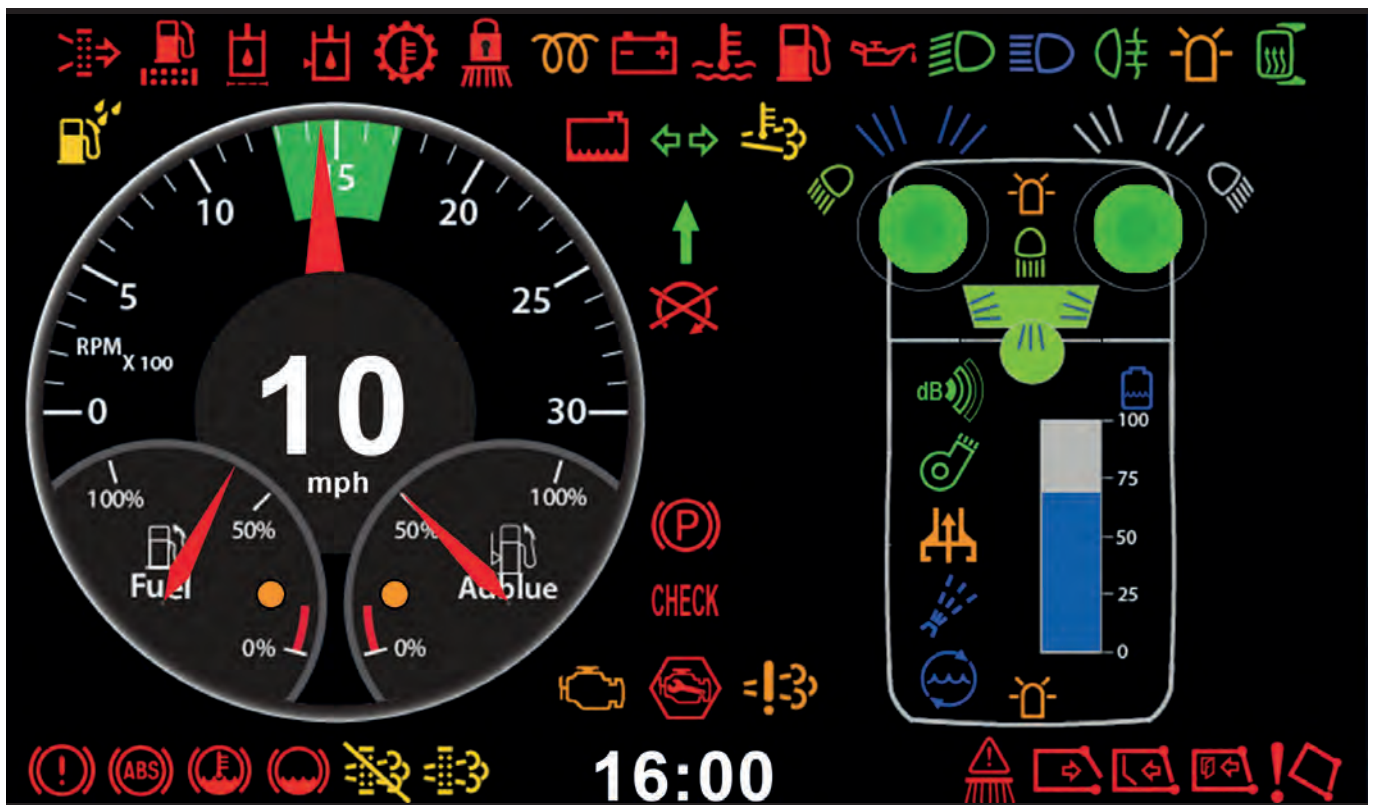
## THE NEW ISYSTEM: INTELLIGENCE MEETS CONVENIENCE

**At RAVO we continuously improve and develop our products. The new RAVO intelligent electronic monitoring system, wich we named the iSystem, is an excellent example of our latest innovation. It has been specially developed to be in full control of your sweeper.**

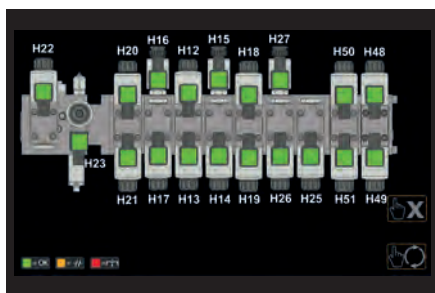
This new & robust control system has been exhaustively tested to meet the high RAVO standards. The use of nodes guarantees stability and the build in LCD screen enables you to check the electronical & hydraulic system.

This system will ease maintenance of your machine by informing you the status of the functionalities of your sweeper

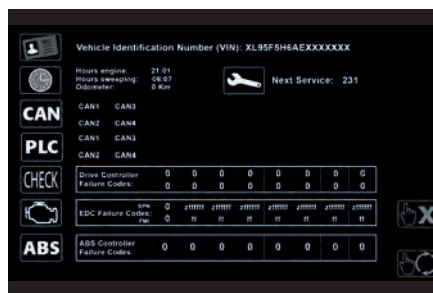
At one glance you can view all functions of the sweeper. Via the various available screens you can for example keep track of your sweeping and engine hours, service intervals or check your hydraulic system, lights, gauges, various pressure and voltage levels, etc.



### Sweeping mode



### Diagnostic mode



*Info mode*



### Parameter mode



## THE NEW CABIN ATTRACTIVE & COMFORTABLE

The new cabin has been designed with the input of experienced international RAVO operators. When entering the cabin with a floor height of only 31 inches, you will notice the ample interior space. Once seated in the air ride operator's seat the logical layout of the dashboard will amaze you. Add to that the fully adjustable armrest and steering wheel, the slightly tilted panoramic windscreen for ultimate visibility and you will agree that new standards have been set. These standards include:

- iSystem
- Sound isolation
- Panoramic view
- Adjustable steering column, dashboard and arm rest
- Rear view and suction mouth camera
- Air-conditioning
- 12V plug
- Radio with MP3 and USB
- 2 Cup holders.
- Lockable storage space
- Hatch to the hopper



## EASE OF MAINTENANCE

To ensure proper maintenance of the machine in a smart way the RAVO 5 iSeries comes with the following features:

- RAVO's unique maintenance friendly brush system
- Fan cleaner
- Two big service doors for easy access
- Easy changeable brushes
- Liftable grid inside the hopper
- 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 5 ft. 5in

## 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!



At RAVO we understand the importance of uptime. Therefore all our North American distributors carry a large stock of RAVO genuine parts. The right part is just a phone call away.

Genuine RAVO parts are produced according to the highest standards of quality, durability and performance that is why they are such a good match for your RAVO sweeper

To assure you always have the right parts available for scheduled service we have composed various service and parts kits, 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 sweeper
- Always the right fit
- Cost savings over the long run.

For more information you can contact your local dealer who has RAVO trained parts specialists with the right knowledge and experience to assist you. They can further inform you about the possibilities of full service contracts and other service and maintenance options.

## 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

Dimensions, Weight, Capacities	
Length	178 inch
Width incl mirrors	89 inch
Sweeping width	95 inch
Max. sweeping width incl. third brush	134 inch
Wheelbase	71.5 inch
Turning radius curb to curb	199 inch
Gradeability [%]	Up to 30%
Gross vehicle weight	25,132 lbs
Capacity fuel tank	28 gal
Capacity water tank	160 gal
Suction system	
Capacity blower	14,000 CFM
Suction nozzle dimensions l x w	4.7 x 24.8 inch
Suction nozzle material	Corten steel (optional linatex lining available)
Suction tube diameter	8.9 inch
Suction tube material	Stainless Steel (optional linatex lining available)
Broom system	
Type	RAVO maintenance free pulling brush system
Available broom diameter	35 inch
Broom rotation speed	0 - 210 rpm
Well-being	
Noise emission LWA	79 dBA at 50 feet distance
Dust filtration	EUnited PM10 Certified*
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 / 72
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	
Wander hose	8 inch diameter
Third broom/Weed cutter	Mounted in front: 30 inch diameter
Silent package Lwa	65 dBA at 50 feet distance
High pressure water pump	4 gal per min. @ 2,175 PSI
Camera	Suction mouth, side view and rearview
Extra water capacity	Up to 400 Gallon

Engine & Drive system		
	Emission level Tier 3	Emission level Tier 4 final
Engine type	Iveco N45 ENT Diesel 4 Cyl.	Cummins QSF3.8 Diesel 4 Cyl.
Displacement	4.5 L	3.8 L
Maximum torque	413 lb.ft @ 1400 rpm	360 lb.ft @ 1600 rpm
Maximum power	141 hp @ 2200 rpm	138 hp @ 2300 rpm
RAVO drive type and drive line system	Linde / Hydrostatic Continuously Variable	Linde / Hydrostatic Continuously Variable

\*Special package

# RAVO 5 iSeries TECHNICAL SPECIFICATIONS

## Standard



Gross volume	6.5 cu yd
Net volume	5.6 cu yd
Height	106 inch
Dumping height	3.3 ft
Total empty weight (curb weight)	13,110 lbs
Payload	12,125 lbs

## Container dump



Gross volume	5 cu yd.
Net volume	4.3 cu yd
Height	98 inch
Dumping height	5.3 ft
Total empty weight (curb weight)	13,580 lbs
Payload	11,570 lbs



A technical diagram illustrating the vacuum cleaning principle of the RAVO truck. It shows a side profile of the truck with a transparent body to reveal internal components. Blue arrows indicate the flow of air and debris from the front suction inlet, through the internal filter and fan system, and out of the rear. A red circular arrow indicates the rotation of the internal fan. Grey arrows at the front show the rotation of the suction inlet. The text 'RAVO'S PURE VACUUM CLEANER PRINCIPLE SINCE 1964' is displayed to the right of the diagram.

RAVO'S PURE VACUUM  
CLEANER PRINCIPLE  
SINCE 1964

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.



RAVO B.V.  
P.O. Box 286, 1800 AG Alkmaar  
Otterkoog 1, 1822 BW Alkmaar  
The Netherlands

T +31 (0) 72 567 32 32  
F +31 (0) 72 567 32 00

[www.ravo.fayat.com](http://www.ravo.fayat.com)

Dealer Stamp