

MM9



Welcome to the dimension of cleaning 4.0!

 **FIMAP**<sup>®</sup>

# MMg





## Quality you can see for yourself: a design that's a pleasure to look at, which accentuates every single detail

The precisely defined forms of the front give the machine a decisive character exuding an impression of unrivalled robustness.

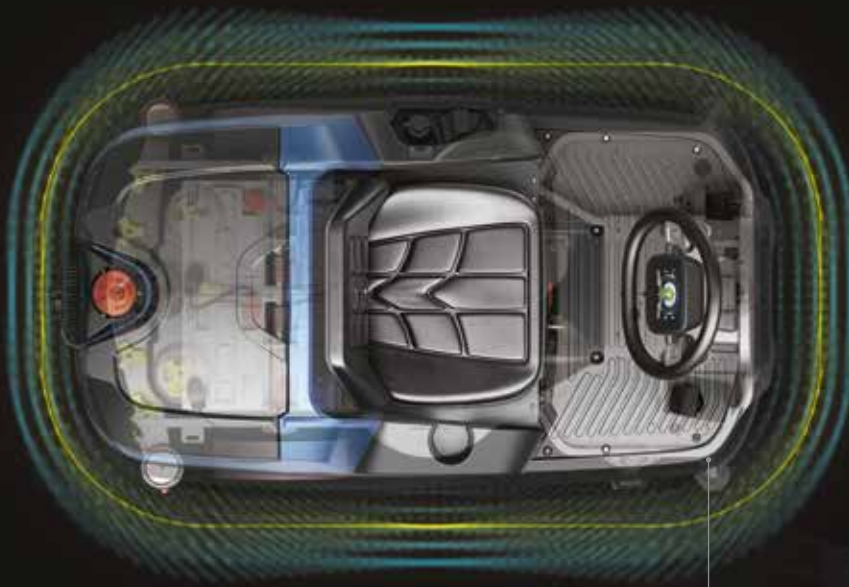
Taking pride of place at the lower part of the front is an elegant, elongated front fascia between 2 LED headlights creating a boldly expressive look.

The clean, flowing lines continue to the rear of the machine, lending a sense of dynamism to the whole and underscoring the exclusiveness and attention to detail of the design.

The design is complemented to perfection by materials selected and used according to the most exacting standards, making a bold visual statement that expresses the essence and extraordinary quality of this machine.







A painstaking development and design process gave shape to a machine body that encompasses and protects all the mechanical parts of the machine, covering and shielding them against damage from accidental impact

This maximizes the durability of the components, keeping the value of the machine itself high over time



The entire outer structure is made from robust and sturdy high density polyethylene

Any minor knocks during use are absorbed completely by the integrated bumpers



The rounded design of the body protects the machine and keeps the value of your investment over time

The low centre of gravity ensures outstanding stability when working and manoeuvring, even in bends or when climbing ramps



The compact height facilitates access to the tanks, making maintenance easier and more practical



# MMg

## COMFORT



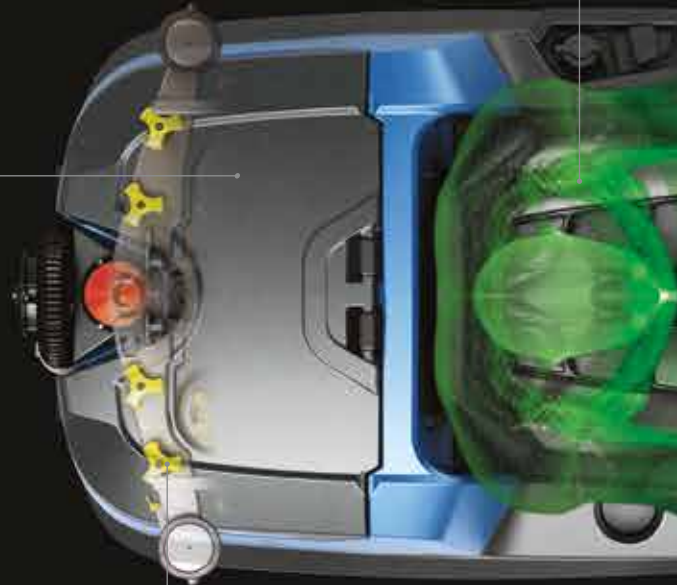
Padded in soft material, the seat boasts ergonomic forms offering effective back support and also features forwards and backwards adjustment. This equates to a stress-free experience for the operator, who can work for hours on end without any effort



Boasting FNC and Eco Mode technology, the MMg can also work extremely quietly when needed, to safeguard the health of the operator and of any people nearby

### YELLOW COLOUR-CODED PARTS

Parts which must be cleaned regularly at the end of every shift are colour coded in yellow for easy identification, saving time and making sure that your scrubbing machine is kept in perfect condition at all times





# Ergonomic forms optimized for total freedom of movement and maximized operator comfort



The lateral paddles offer the operator even greater control over the machine, for total peace of mind and a comfortable, safe driving experience

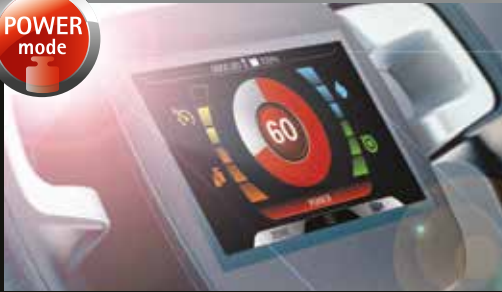
The design of the front maximizes the room for the legs and brings the steering wheel closer to the operator, making the machine even more comfortable to use

The footrest zone is designed to offer impressive space for the feet despite the compact dimensions of the machine

The lowered footboard facilitates access from both sides and allows the operator sit easily without any efforts

## PERFORMANCE AND PRODUCTIVITY

### POWER MODE

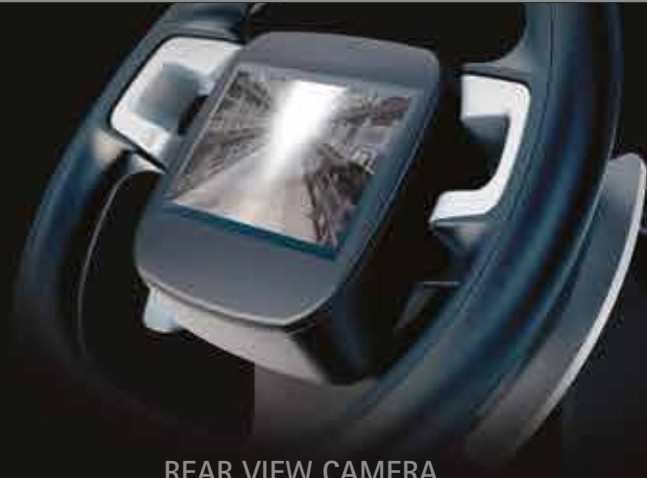


When more scrubbing power is needed, activating Power Mode increases the delivery rate of detergent solution and boosts brush pressure and vacuum power for the time necessary to tackle heavy duty cleaning

### "ZONE" PERSONALIZED CLEANING PROGRAMS



To ensure the desired cleaning results in all conditions and prevent the risk of tampering, the site supervisor can save a number of separate configurations with specific cleaning parameters for different work environments. The operator simply has to select the zone to be cleaned, and the machine is configured automatically with all the right settings



### REAR VIEW CAMERA

Lets the operator monitor cleaning results in real time from the display, without taking his or her eyes off the direction of travel



### A LATERAL BRUSH FOR EVEN MORE GREATER PRODUCTIVITY

The third brush moves laterally to facilitate cleaning along walls or shelves, increasing productivity by up to 15%





# The strengths of the MMg behind its extraordinary performance

## 3-stage vacuum motor

Effective vacuum system which leaves the floor dry with no risk of slipping



## FLR-FIMAP LONG RANGE

Increases productivity by up to 70%

## Great autonomy

Work for up to 5 hours non-stop

## Light steering for even more operator comfort

The dual front wheel reduces the specific pressure exerted on the floor, making the steering action lighter. This solution also increases manoeuvrability and prevents marking, even on the most delicate floors

## Outstanding performance in any situation

MMg is capable of climbing ramps up to 18%. A special electronic control modulates power precisely, allowing the machine to climb ramps easily and smoothly, with no interruption or loss of power delivery



RAMP UP

## Up to 100 Kg of pressure

With a brush pressure settable to up to 100 Kg, the machine can tackle even the most stubborn dirt

## Save time by working faster

Up to 6 Km/h in work mode and 8 Km/h in transfer mode



The anti-collision system detects obstacles when reversing, helping the operator work in complete safety and protecting the machine

### ANTI-COLLISION SYSTEM



Facilitates manoeuvres in reverse by detecting obstacles

### REAR VIEW CAMERA



By pressing a single button the machine stops immediately

### EMERGENCY STOP



Front and rear LED headlights maximize work safety in all conditions

### LED HEADLIGHTS



The steering wheel controls offer the operator even greater control when cleaning, and also improve safety by eliminating distractions and letting the operator keep his or her eyes on the zone ahead of the machine

### STEERING WHEEL CONTROLS



### Safety is paramount

The MMg is equipped with a host of safety systems and features to keep the operator in complete control at all times and work with total peace of mind

### REAR HEADLIGHTS



### FRONT HEADLIGHTS



# On the road to accident-free cleaning



DESCENT  
CONTROL

Maintains a constant speed when driving downhill, and prevents sudden increases in speed caused by gravity



STOP&GO

The traction control system, which brakes and holds the machine when the accelerator pedal is released, provides assistance for both uphill and downhill gradients



CRUISE  
CONTROL

Control device letting the operator set the required speed



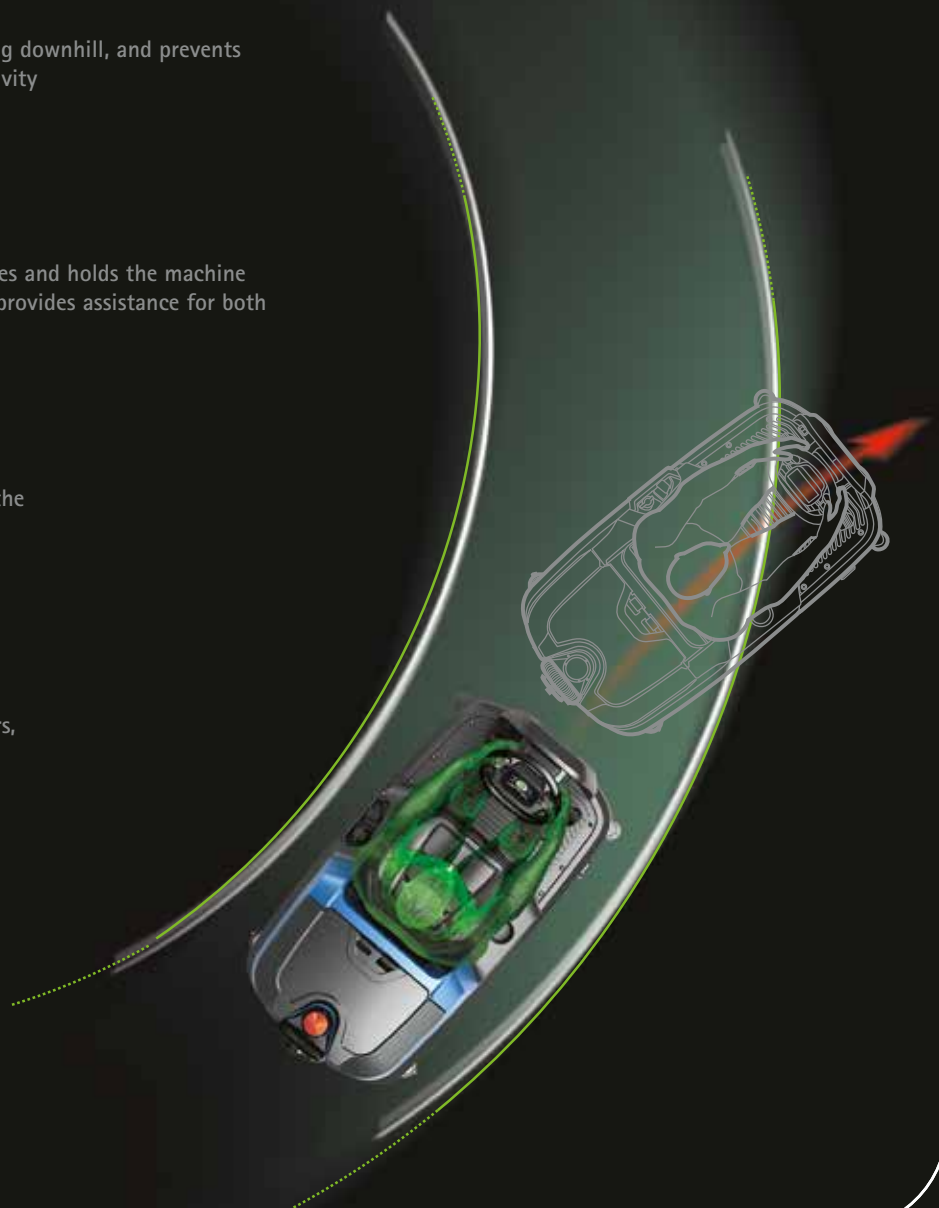
VIDEO  
TUTORIALS

Any questions? MMg has all the answers, with tutorials to help the operator in every aspect of the job



ESC - ELECTRONIC  
STABILITY CONTROL

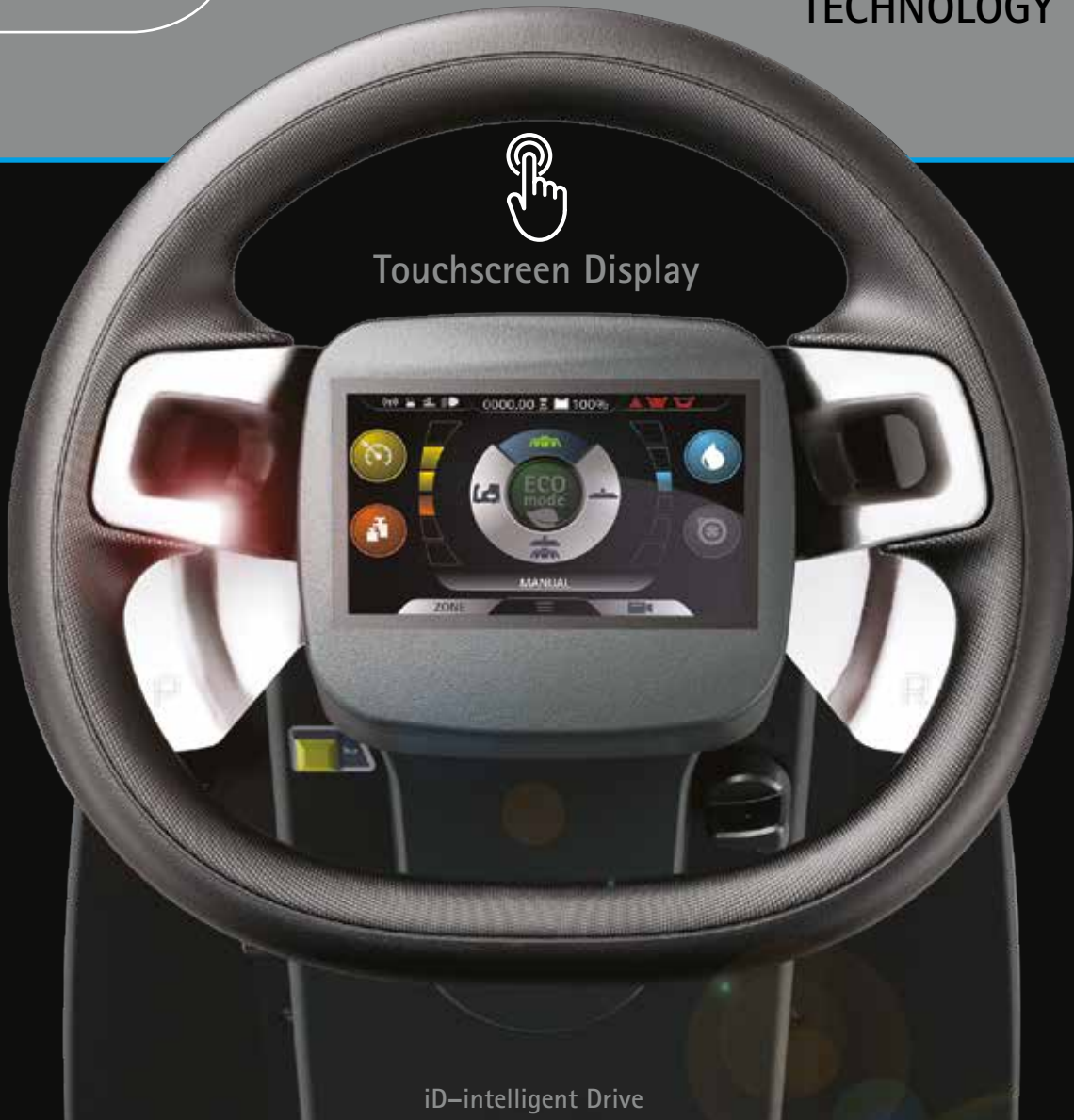
Automatically reduces speed when steering without the operator using the brake







Touchscreen Display



iD-intelligent Drive



TOUCH SCREEN  
DISPLAY



LOG-IN WITH  
PASSWORD



PERSONALIZED  
WORK ZONE  
PROGRAMS



CRUISE  
CONTROL



SUSTAINABLE  
CLEANING



SEVERE  
CLEANING



REAR VIEW  
CAMERA



ANTI-COLLISION  
SYSTEM



VIDEO  
TUTORIALS

# Driving system with touchscreen display which transforms cleaning into a revolutionary experience



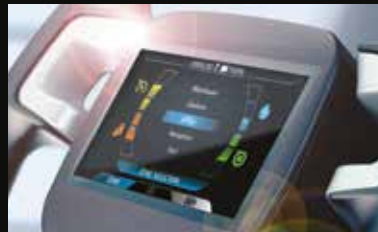
The operator is the centre of a high-tech universe, where everything is easy, intuitive and dynamic

All functions and activities are managed from a single interface, where a mere touch of the finger offers access to an extraordinary choice of customisable features to satisfy all types of requirements with extreme simplicity.

The high definition colour display offers the same intuitive experience as a smartphone



**LOG-IN WITH PASSWORD**  
To protect your investment



**"ZONE"**  
**PERSONALIZED WORK ZONE PROGRAMS**  
For all the performance you'll ever need



**ECO MODE**  
To protect the environment



**POWER MODE**  
For maximum power when you need it



**REAR VIEW CAMERA**  
To keep everything under control



**DIGITAL INSTRUCTIONS**  
Giving you all the information you need exactly when you need it

# MMg

## CONNECTIVITY



Discover the FFM universe and experience the advantages of being constantly connected, with My.Machine app!



My.Machine





## FIMAP FLEET MANAGEMENT



Watch the video

Developing new technology to improve efficiency is one of the core missions of Fimap.

An example of this is FFM, the Fimap Fleet Management system which collects the data sent by the machines and transforms it into valuable information accessible to you easily in real time, 24/7, from your smartphone, through the app My.Machine.

Being constantly connected to your machines will help you operate them even more efficiently and effectively. My.Machine lets you know where the machines are, if the operation is being

carried out according to plans and at the scheduled time.

The machines health status is constantly monitored. In the very unlikely event of a breakdown, you'll receive an alert notification directly on your smartphone, allowing you to take action promptly and immediately call the technical support.

You can check the battery conditions and the quality of the charges in order to optimize battery endurance and life cycle.

Keep tabs on your machines remotely when you want and from wherever you want!



### GEOLOCALISATION

You know where your machines are



### USAGE INFORMATION

You know how your machines are used



### HEALTH STATUS

You know the health status of machines and batteries



### ENVIRONMENTAL IMPACT

You can check the machine consumption per intervention

# MMg

## ENVIRONMENT

Fimap sustainable technologies contribute to protecting the environment and also encourage and help the user to use resources responsibly, offering many advantages.

Advanced technological solutions offer a reduction in cost per sq.m. cleaned, more working autonomy, time savings and better cleaning results, letting you cover more surface area with the same resources.



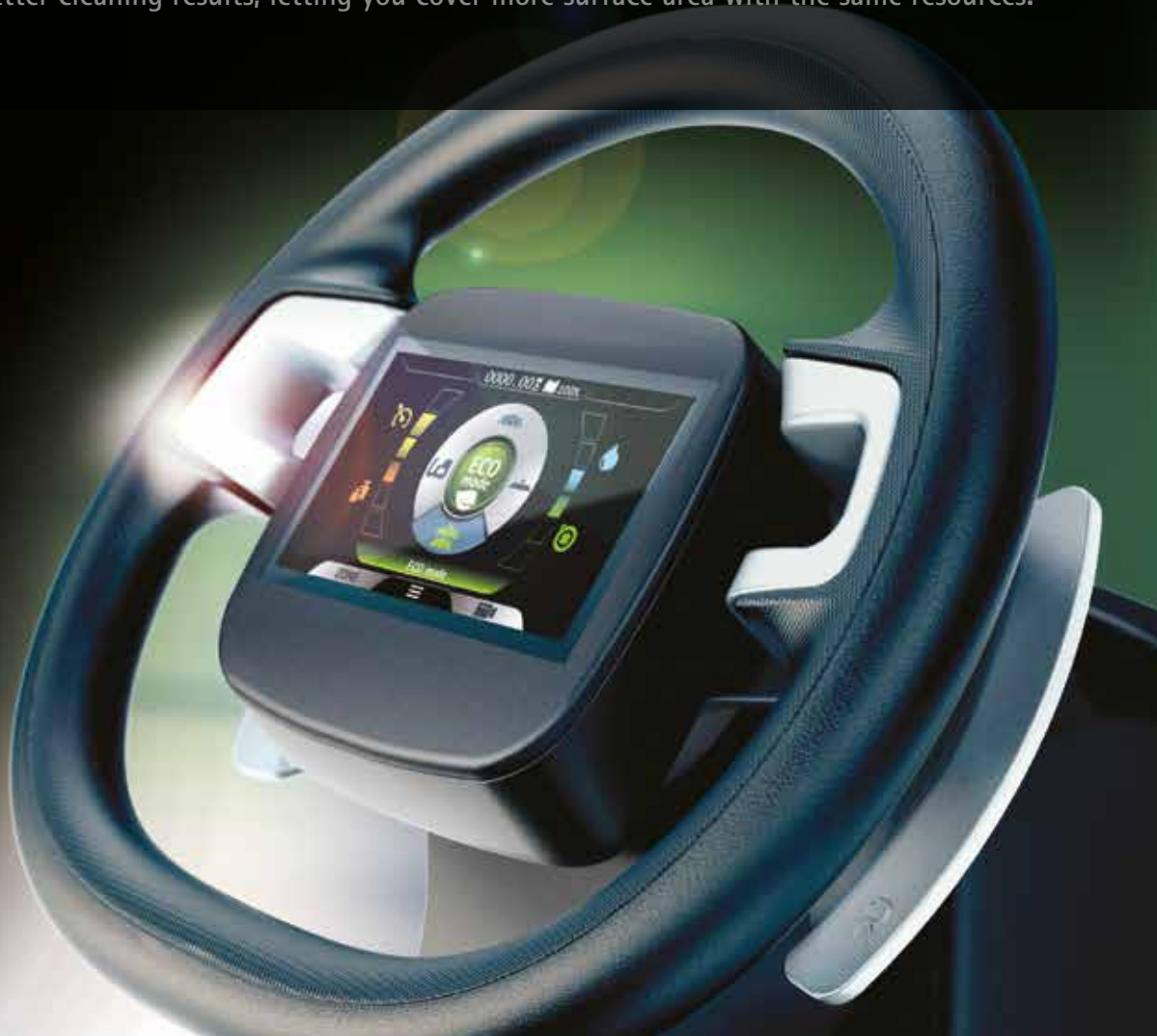
The Eco Mode function helps prevent water, detergent and energy consumption by using only the quantities you need and nothing more

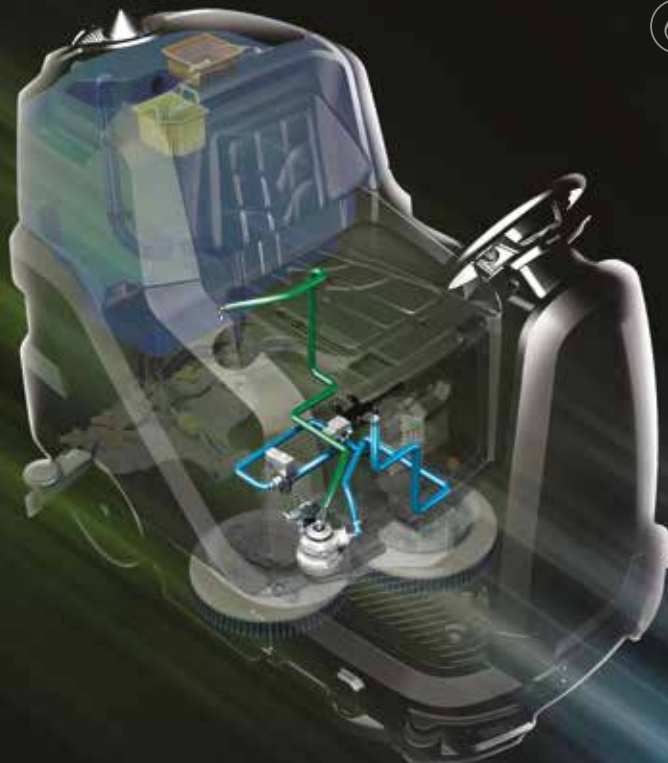


### START&STOP

When the machine is idle, the brush motor, the vacuum motor, the traction and detergent pump will turn off automatically, reducing costs and emissions.

All the functions are reactivated automatically as soon as the operator touches the accelerator again





WATER



FLR-FIMAP LONG RANGE

Reduces water and detergent consumption per cleaning operation by up to 66%\*. This is a system which recycles detergent solution to increase autonomy: to scrub more sq.m. while using less resources



FSS-FIMAP SOLUTION SAVER

Water and detergent quantities are separately dosed, reducing consumption by up to 50%



FWF-FIMAP WATER FLOW

Ensures uniform cleaning results across the entire working width on the first pass, optimising detergent solution consumption

ENERGY



FES-FIMAP ENERGY SAVER

Reduces energy consumption by up to 35%

LED TECHNOLOGY

Up to 80% lower energy consumption than conventional headlights. The LED headlights consume much less energy than conventional headlights, offer a longer lifespan and illuminate with a brilliant white light similar to natural daylight



NOISE LEVELS



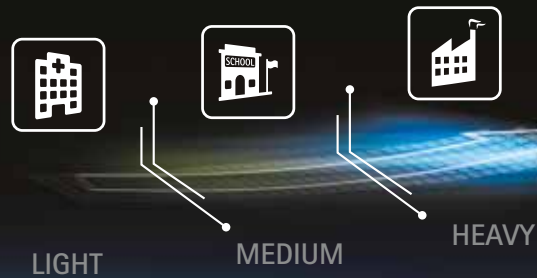
FNC-FIMAP NOISE CANCELLING

Reduces sound pressure

\*Saving calculated on a triple recycling cycle



An extensive choice of configurations to give you the best performance possible in all conditions, on any floor, with any type of dirt and in any environment



DISC  
with 2 disc brushes or  
2 pad holders



CYLINDRICAL  
with 2 cylindrical brushes and a debris  
hopper for small sized solid debris



ORBITAL  
With pad

A solution for any requirement



# MMg

AVAILABLE IN 2 VERSIONS



Basic



**PLUS**

# OPTIONALS AND ACCESSORIES

## OPTIONALS



The exclusive lights pack offers increased visibility of the parts which could require operator inspection, illuminating the relative zones with LED lights



Front and rear LED headlights kit



On-board battery charger for quicker, more convenient charging

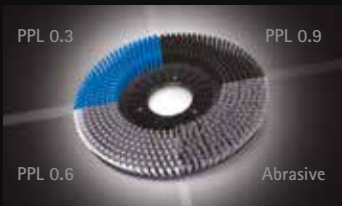


The third lateral brush increases cleaning performance along walls (available for MMg disc versions)



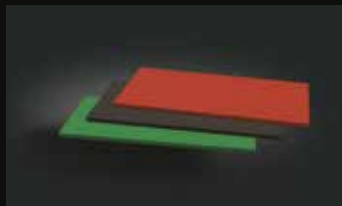
Rear/front super elastic wheels kit, for minimal vibration and increased comfort

## ACCESSORIES



A wide choice of disc or cylindrical brushes in PPL is offered, available in thicknesses from 0.3 to 0.9 cm. These offer the perfect solution for dealing with any type of dirt on any floor

Abrasive brushes:  
Ideal for heavy duty cleaning on industrial surfaces



Pads

**BLACK**  
Superior abrasiveness for rapid and thorough heavy duty cleaning

**GREEN**  
Ideal for removing dirt from more delicate floors (rubber or linoleum)

**RED**  
Ideal for scrubbing delicate or treated floors, and achieving an instant shine



Rear squeegee rubber blades

**33 SHORE (PARA)**  
For maintenance cleaning of smooth floors

**44 SHORE (PARA)**  
For stubborn dirt on floors with joints

**POLYURETHANE**  
For heavy duty cleaning on industrial floors, even with wide gaps



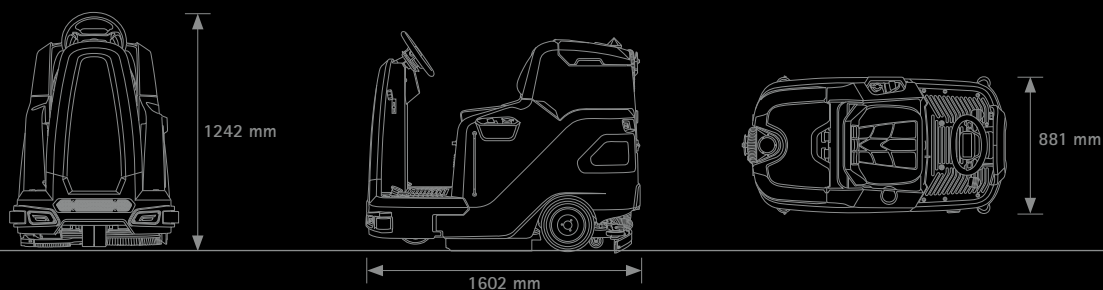
USER EXPERIENCE	MMg	MMg	MMg Cylindrical	MMg Cylindrical	MMg Orbital
		<b>PLUS</b>		<b>PLUS</b>	
iD-Intelligent Drive:	-	•	-	•	-
- 5 inch high resolution colour touch screen	-	•	-	•	-
- Log-in with password	-	•	-	•	-
- "ZONE" program	-	•	-	•	-
- Cruise control	-	•	-	•	-
- Eco Mode	-	•	-	•	-
- Power Mode	-	•	-	•	-
- Rear view camera	-	•	-	•	-
- Anti-collision system	-	•	-	•	-
- Video tutorials	-	•	-	•	-
COMFORT					
Hour meter	•	•	•	•	•
Cleaning solution level indicator	•	•	•	•	•
Water and detergent empty tank lights	-	•	-	•	-
Battery charger	○	○	○	○	○
PRODUCTIVITY					
Pressure adjustment	-	•	-	•	-
Extra pressure	•	-	•	-	•
Right scrubbing brush	○	○	-	-	-
2 side sweeping brushes	-	-	○	○	-
3 stage vacuum motor	-	•	-	•	-
FFM (Fimap Fleet Management)	○	○	○	○	○
SAFETY					
Blinking light	•	•	•	•	•
Driving LED light pack kit (front - rear)	○	-	○	-	○
Driving (front - rear) and service LED light pack kit	-	•	-	•	-
Super elastic wheels kit (front - rear)	○	○	•	•	○
Ramp up	•	•	•	•	•
Stop&Go	•	•	•	•	•
Descent control	•	•	•	•	•
ESC (Electronic Stability Control)	•	•	•	•	•
Emergency Stop	•	•	•	•	•
ENVIRONMENT					
FSS (Fimap Solution Saver)	-	○	-	-	-
FLR (Fimap Long Range)	○	-	○	-	○
FNC (Fimap Noise Cancelling)	•	-	•	-	•
FES (Fimap Energy Saver)	•	•	•	•	•
FWF (Fimap Water Flow)	•	•	-	-	-
Start&Stop	•	•	•	•	•

• STANDARD

○ UPON REQUEST

- NOT AVAILABLE

## DIMENSIONS AND TECHNICAL DATA



TECHNICAL DATA		MMg / Plus	MMg Cylindrical / Plus	MMg Orbital
Working width	mm	755	641	710
Working width with side brushes	(no.) mm	(1) 850	(2) 940	-
Squeegee width	mm	880	880	880
Disc brushes Ø	(no.) mm	(2) 400	-	-
Cylindrical brushes Ø	(no.) mm	-	(2) 180x616	-
Rectangular pad	mm	-	-	710x355
Oscillations per minute	no.	-	-	3.500
Side brushes Ø	(no.) mm	(1) 259	(2) 329	-
Solution tank	l	110	110	110
Recovery tank	l	110	110	110
Supply/Traction	V	24/aut.	24/aut.	24/aut.
Acoustic level (ISO 11201)	dB (A)	<70	<70	<70
Brush motors	(no.) V/W	(2) 24/500	(2) 24/450	(1) 24/600
Suction motor	V/W	24/410-24/600	24/410-24/600	24/410
Suction vacuum	mbar	170	170	170
Traction motor	V/W	24/600	24/600	24/600
Brush rpm (central / side)	rpm	140 / 150	550 / 65	-
Brush pressure	kg	35÷110	30÷60	30÷70
Forward speed	km/h	0÷8	0÷8	0÷8
Minimum aisle turn	mm	1950	1950	1950
Gradeability (Working / Transport at gross weight / Transport at net weight)	%	7 / 10 / 18	7 / 10 / 18	7 / 10 / 18
Batteries	(no.) V/Ah C5	(2) 12/150 (4) 6/210	(2) 12/150 (4) 6/210	(2) 12/150 (4) 6/210
Batteries weight	kg	80-140	80-140	80-140
Machine weight (without battery – without side brushes)	kg	268	263	268
Working capacity	up to sqm/h	4000/4500	5000	4500
Battery compartment dimensions (L x h x w)	mm	385 x 300 x 525	385 x 300 x 525	385 x 300 x 525

# FIMAP LIFE

Your best investment in cleaning

The service package that gives you more of what you need for less than you think!  
We want you to deal only with your work, leave everything else to Fimap Life!

## FIMAP INTELLIGENCE



Using powerful software, unique of its kind, and on-site advice, Fimap supports you in choosing the ideal model and its optimum configuration, according to the type of environment to be cleaned and your requirements.

## FIMAP FINANCE



Fimap offers various financial solutions that can be adapted perfectly to your business.

## FIMAP MAINTENANCE



With Fimap Maintenance will not have to worry about maintenance of the product: your Fimap machines will always be as new and ready for use. Choose from the three Service Packs offered - Light, Smart or Full - to suit the needs of your job.

## FIMAP FLEET MANAGEMENT



An online software collects the data sent by the machines and transforms it into valuable information that will help you dramatically improve the quality of the service offered. In this way you can optimize the use of your fleet taking into account the actual availability and eliminate wasted time.

## FIMAP NETWORK



Fimap is always there for you: our global network of certified dealers guarantees a rapid response support service, wherever you are.

### CERTIFICATIONS

Mapping Your Green Products  
**greenmap**



Calculation method verified by TÜV Italia 	<b>CONSUMPTION CATEGORIES</b>  Detergent solution consumption (l/100 sq.m.) Energy efficiency (Wh/sq.m.)
--	--



For any additional information or for a demo please contact your usual Fimap dealer

**FIMAP**<sup>®</sup>  
www.fimap.com

FIMAP spa - Via Invalidi del Lavoro, 1 - 37059 S. Maria di Zevio - Verona - Italy  
Tel. +39 045 6060411 - Fax +39 045 6060417 - E-mail: fimap@fimap.com

Numero Verde  
**00800-05070000**



Scan the QR Code with your Smart Phone and visit our web-site