

optima



Optima: the scrubbing machine that ensures excellent comfort and performance



Optima 85 B

Scrubbing version with
dual disc brush
Working width: 850 mm

Optima 100 B

Scrubbing version with
dual disc brush
Working width: 1010 mm

Optima 90 S

Scrubbing-sweeping version
with cylindrical brush
Working width: 870 mm

A floor scrubber that unites



Easy to use



Height-adjustable
driver seat

Safety



Easy access

All features at your fingertips



Emergency button

Forward/Backward
gear selector

Working program
selector



All features at your fingertips

ECO mode



Adjustable
solution flow



Adjustable brush pressure

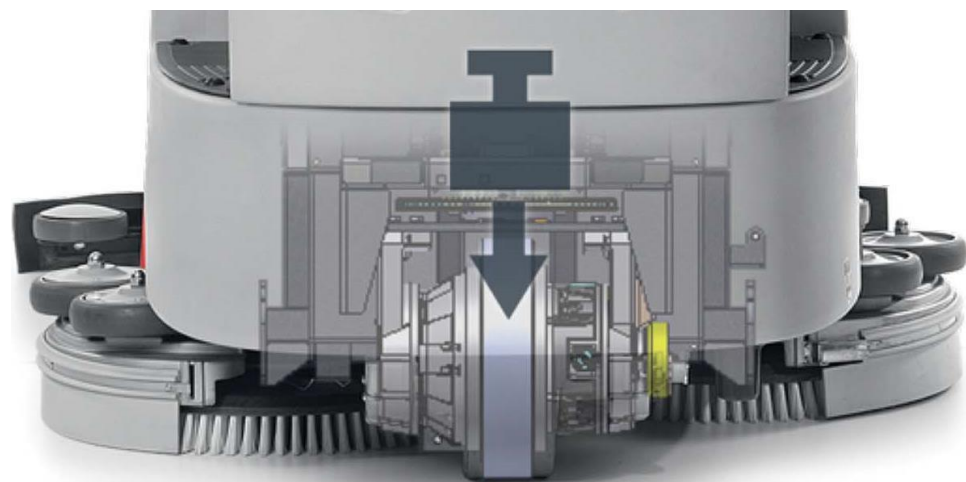
Headlights LED

Safe and silent: it preserves the health of the user and of the people around



Optima is **equipped with on hydraulic brake that works on the rear wheels, thus increasing safety and comfort.** The electro brake mounted on the front motorwheel works as on emergency or parking brake.

Safe and silent: it preserves the health of the user and of the people around



To obtain the maximum effectiveness, **Optima** can be equipped with the **Ramps Kit** which allows to **increase the grip of the front wheel, improving the performance while going up on possible ramps**. Thanks to the extra weight the load will be distributed in a way that avoids any slip of the drive wheel.



The vacuum motors are isolated inside a double wall chamber, that reduces the noise level to **work silently**, preserving the operator's health.

Easy and intuitive



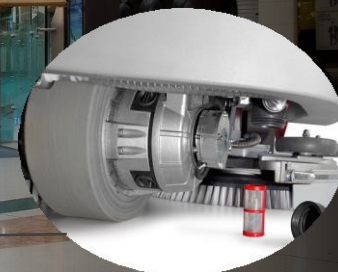
Colour code (Yellow)
Simple cleaning of the
suction filter and
recovery tank.
Quick discharge of liquids



Fast tank filling



Full access to battery
compartment



Water filter
easy to clean



Easy and intuitive



The hoses for the tanks emptying are in the back of the machine, in a comfortable and visible position.



PM – Pressure Monitoring: system for monitoring the pressure on the brushes

High visibility and compact dimensions to easily go around obstacles

Solutions to properly dose the detergent



5 litres detergent tank

Separate water and
detergent management



Optima can be equipped upon request with CDS (Comac Dosing System) for the separate management of water and detergent, that allows to increase or reduce their flow, according to the type of dirt to clean, thus avoiding wastes.
It reduces cleaning solution consumption by up to 50%.

The answer for a correct distribution of the solution



CONSTANT SOLUTION FLOW*

As machines with a double brush may have irregular distribution of the solution, **Comac** has designed a distributor with differentiated flow sections that ensures proper solution delivery on both brushes, improving efficiency even in low flow rates.

*Only for scrubbers with double disc brush head

Details that make the difference



LED lightning **Improved visibility for maximum safety**



The LED headlights ensure maximum safety when working by illuminating areas that are shaded and signaling the presence of the moving machine.

It is important to provide maximum visibility for the operator, but it is also essential to make the machine visible. The energy savings achieved thanks to the use of LED technology are significant, with up to 80% less energy used than with standard headlights. Furthermore, the LED headlights provide even clearer and more uniform illumination of the track ahead.

CFC - Comac Fleet Care

Comac's technology for the fleet management that increases efficiency and reduces costs

Optima can be arranged with the necessary equipment for fleet management through Comac Fleet Care (CFC). Thanks to the CFC system it is possible to preserve the investment as it allows the remote control of machines status: if, when and where each machine is operating or if maintenance is needed, to let you promptly intervene avoiding machine downtimes and unexpected costs for extraordinary maintenance.



Comac for ENVIRONMENT

We know how important it is to respect the environment, so we are always committed to minimizing our impact on it and making the people involved in our work more aware on this front



SUSTAINABLE TECHNOLOGIES

Comac has always been designing and manufacturing highly competitive products with reduced environmental impact. Today, more than ever, thanks to the introduction of more and more innovative technologies, Comac machines are able to optimize the use of resources by eliminating the waste of energy, reducing noise pollution and time dedicated to cleaning operations. Comac's sustainable technologies respect the environment and also get the user involved in responsible use of resources, while offering several benefits. Discover Comac's sustainable technologies designed for Optima to optimize the use of resources.



Eco mode

The Comac technology for the reduction of noise that allows resources to be saved and waste to be reduced

Only one button to reduce energy consumption and noise level of Optima. It is an ideal working setting for maintenance cleaning and to use the machine in sensitive or frequented environments.



Stop&Go

The system for making cleaning operations more economical, optimizing consumption and reducing emissions

When the machine is temporarily idle, the functions are interrupted automatically. Thanks to this, consumption is optimized and waste reduced. Pressing the forward movement pedal restores the functions that were active previously.



Lithium battery

Lightweight, these batteries can be recharged whenever desired and are always ready to use.

These batteries are extremely light and easy to transport, and can be placed in any position. Furthermore, they do not require maintenance, and can be charged anywhere, with no need for special considerations.

With an extremely fast charging cycle, lithium batteries do not self-discharge and are thus always ready whenever and wherever they are required; they can therefore be used multiple times in the space of a single day.



Optima: the perfect choice for your sector



Logistics



Health



Industrial



Public



HoReCa



Cleaning
contractors



Large-Scale Retailing



Automotive



Well-being & Sports



Transport



Standard Accessories

TECHNICAL DATA	Optima 85 B	Optima 100 B	Optima 90 S
COMFORT			
Hour meter	•	•	•
Eco Mode	•	•	•
Electronic control panel with diagnostic	•	•	•
Squeegee/brush base lift	Automatic	Automatic	Automatic
Automatic brush uncoupling	•	•	-
Speed adjustment	•	•	•
Squeegee rubber bars usable on 4 sides	•	•	•
Color-coded parts for easy maintenance	•	•	•
Flexible filling hose with drop-stop	•	•	•
Water level indicator	•	•	•
Tool-holder hook	•	•	•
SAFETY			
Emergency stop	•	•	•
Hydraulic working brake	•	•	•
Automatic parking brake	•	•	•
Antiskid wheels	•	•	•
Dead man's switch	•	•	•
Reverse warning device	•	•	•
Horn	•	•	•
Front headlights LED with different light levels	•	•	•
Back headlights	•	•	•

Optionaland accessories

ACCESSORIES	Optima 85 B	Optima 100 B	Optima 90 S
CDS (Comac Dosing System)	•	•	•
Ramps kit	•	•	•
Blinking light	•	•	•
Bumper	•	•	•
Fast filling system	•	•	-

OPTIONAL	Optima 85 B	Optima 100 B	Optima 90 S
CFC (Comac Fleet Care)	•	•	•
Vacuum dual power extreme	•	•	•
Lithium batteries	•	•	•

Optima in number

TECHNICAL DATA		Optima 85 B	Optima 100 B	Optima 90 BS
Solution tank	l	160	160	160
Recovery tank	l	140	140	140
Voltage and nominal power	V/W	24/2840	24/2840	24/3340
Working width	mm	850	1010	865
Squeegee width	mm	1120	1120	1120
Working capacity up to	sq.m/h	6800	8080	6920
Disc brushes	(n.) mm	(2) 430	(2) 510	-
Cylindrical brushes	(n.) mm	-	-	(2) 150-210 x 865
Debris hopper capacity	l	-	-	10
Brush pressure	Kg	85	85	50
Brush motor	(n.) V/W	(2) 24/500	(2) 24/500	(2) 24/1500
Brush revolution	rpm	160	160	810-590
Vacuum motor	(n.) V/W	(2) 24/420	(2) 24/420	(2) 24/420
Traction	-	aut./front	aut./front	aut./front
Traction motor	V/W	24/1000	24/1000	24/1000
Forward speed	Km/h	0÷8	0÷8	0÷8
Turning diameter	mm	2530	2530	2530
Battery compartment dimension (L x h x l)	mm	630x470x430	630x470x430	630x470x430
Max gradient at full load	%	10	10	10
Batteries (n.)	V/Ah (C5)	Gel 24/320 Wet 24/320 Lithium 24/150	Gel 24/320 Wet 24/320 Lithium 24/150	Gel 24/320 Wet 24/320 Lithium 24/150
Batteries weight (Max)	Kg	225	225	225
Detergent tank capacity (version CDS)	l	5	5	5
Machine dimension (L x h x l)	mm	1796x1245x900	1796x1245x1055	1796x1245x1005
Machine dimension (without batteries)	Kg	340	340	363
Sound pressure level (ISO 11201)	db (A)	<70	<70	<70

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Ogni controversia sarà devoluta in via esclusiva alla competenza del Foro di Verona.

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