

Optima 85/100 B - 90 S



**Robust and compact: suitable for any environment
even the most difficult.
It is the ideal solution to clean
wide commercial surfaces**

Optima: to get the best from every cleaning operation

Optima is a ride on scrubbing machine with a robust design, suitable for working in different environments, both commercial and industrial, up to 15,000 sq. m. ensuring excellent performances, even for the deep cleaning of various hard floors such as warehouses, logistic centers or finer surfaces such as in shopping malls.

Comfort and complete control over the machine ensured by the operator position and easy controls, enhance the results during the operations. The big tanks capacity increases working autonomy while quiet operations allow to perform also in daytime without disturbing the people around: such features guarantee great efficiency and productivity.



Simple and comfortable: to help the operator to get the best results.

The driver's seat is comfortable, accessible from both sides, it offers a complete visibility of the whole working area and favours the control over all functions without distractions. The new instrument panel has been designed to make its use easier. Scrubbing versions (Optima 85/100 B) are equipped with a button for the automatic brush uncoupling.



It is possible to choose 3 different working speeds and brush pressure levels to adjust the machine to any conditions.



With the working program selector the operator can choose to set the machine operation for: transfer, drying, scrubbing and drying simultaneously or only scrubbing.



Separate management
of water and detergent

With the versions equipped with CDS dosing system it is possible to be very precise in adjusting water quantity and detergent percentage and to save the settings inside the program selector to use them again automatically for the next cleaning operation.



The detergent tank can be quickly replaced or filled up.



Choose the scrubbing versions with 85 or 100 cm of working width...



All the details of the frame, the brush head and the squeegee are treated with cataphoresis and painting* that protect them from corrosion and allow operations also in damp environments.

Safe and silent: it preserves the health

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



Being compact it ensures excellent manoeuvrability to go around obstacles or along walls and shelves.

* according to ISO 9227(h) NSS $\geq$ 480 standard

Great performances: perfectly cleaned surfaces also in heavy dirt conditions



To increase performances some optional accessories are available, such as the double vacuum motor of 36 V or a wider squeegee of 1315 mm.



... or the scrubbing-sweeping version of 86.5 cm



The brush pressure can be adjusted up to 100 Kg for hard cleaning



Optima 90 S

The sweeping version can pick up also small solid debris (cigarette butts, wood shavings, small metal residues, etc.) that are collected in a handy hopper easy to empty.

h of the user and of the people around

Further features guaranteeing the maximum working safety:

- antiskid and non-marking motor wheel and rear wheels
- headlights with different light levels
- reverse warning device
- horn
- possibility to request the blinking light kit, available as accessory
- emergency button placed on the instrument panel that immediately stops the machine and all the active functions
- the overhead guard, available as accessory
- the front-rear bumper



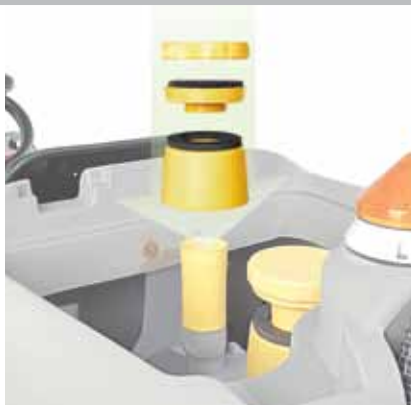
Some design details make the machine maintenance at end of work easier and handier to perform



The length of the hose for solution tank filling (optional) allows to directly and comfortably reach a water tap. As optional a fast fill system with float is also available to reduce downtimes.



The solution filter is positioned in a very accessible place and the vacuum filter can be quickly removed, making the cleaning of the machine at the end of the operation really fast and easy.



The hoses for the tanks emptying are in the back of the machine, in a comfortable and visible position. To avoid accidental water leak due to the pressure, the hoses end is fastened upwards. The large diameter makes the emptying faster and handier.



The brushes of the scrubbing-sweeping version Optima 90 S can be replaced in few seconds without any tools.

Optima 85/100 B - 90 S available equipment



STANDARD EQUIPMENT	Optima 85 B	Optima 100 B	Optima 90 S	STANDARD EQUIPMENT	Optima 85 B	Optima 100 B	Optima 90 S
Water and detergent management				Programme selector	•	•	•
Water Management	•	•	•	Access from both sides	•	•	•
CDS (Comac Dosing System)	optional	optional	optional	Hour meter	•	•	•
Water dispenser	•	•	•	Battery charge level	•	•	•
Eco ON/OFF	•	•	•	Solution tank Fast Fill	optional	optional	optional
Fast water filling with drip stop	•	•	•	Height-adjustable driver seat with armrests	•	•	•
Water level indicator	•	•	•	Button for brush uncoupling	•	•	-
Scrubbing performance				Safety			
Adjustable brush pressure	•	•	•	Antiskid and non-marking front drive wheel	•	•	•
Ramp climbing capacity	•	•	•	Antiskid and non-marking rear wheels	•	•	•
Squeegee with polyurethane rubber bars usable on 4 sides	•	•	•	Electric service and parking brakes	•	•	•
2 Vacuum motors 24 V	•	•	•	Blinking light	optional	optional	optional
2 Vacuum motors 36 V	optional	optional	optional	Squeegee with shock-resistant coupling	•	•	•
Operating autonomy				Dead man's switch	•	•	•
(1) 24V/320 Ah C5 batteries	optional	optional	optional	Reverse warning device	•	•	•
Comfort				Horn	•	•	•
Vacuuming suction (Eco)	•	•	•	Front-rear bumper	optional	optional	optional
Fully sanitizable tanks	•	•	•	Overhead guard	optional	optional	optional
				Front headlights	•	•	•

TECHNICAL DATA	Optima 85 B	Optima 100 B	Optima 90 S
Debris hopper capacity	l	-	12
Squeegee width	mm	1120	1120
Disc brushes Ø (No.)	(n.) mm	430 (2)	510 (2)
Cylindrical brushes Ø (No.)	(n.) mm	-	150-210x865 (2)
Brushes rpm	rpm	140	140
Brushes motor (No.)	V/W	24/500 (2)	24/500 (2)
Suction motor (No.)	V/W	24/320 (2)	24/320 (2)
Traction motor	V/W	24/1000	24/1000
Suction vacuum	mbar	190	190
Forward speed	Km/h	0÷8	0÷8
Type of drive	-	aut.	aut.
Gradeability	%	10	10
Turning diameter	mm	2285	2365
Battery compartment dimensions (L x h x w)	mm	630 x 530 x 430	630 x 530 x 430
Batteries (WET) (No.)	V/Ah	24/320 (1)	24/320 (1)
Batteries weight	Kg	225	225

	Working width mm	Brushes pressure	Power supply V/ traction	Solution tank l	Recovery tank l	Working capacity up to sq.m/h	Machine dimensions mm L x H x W	Machine weight kg (without batteries)
Optima 85 B	850	up to 100	24/aut.	160	160	5500	1777 1265 892	320
Optima 100 B	1000	up to 100	24/aut.	160	160	6550	1777 1265 1055	320
Optima 90 S	865	up to 60	24/aut.	160	160	5600	1777 1265 905	330



B - Battery
powered machine
with voltage value



Machine for
commercial use



The machines are manufactured in compliance with the directives 2006/42/CE, 2006/95/CE, 2004/108/CE and with the standards IEC 60335-1 and IEC 60335-2-72.

The steel parts are subject to treatment which guarantees a long life and makes the parts oxidation-proof.



COMAC spa
Via Maestri del Lavoro, 13
37059 Santa Maria di Zevio - Verona - Italy
Tel. +39 045 8774222 - Fax +39 045 8750303
on line: www.comac.it - e-mail: com@comac.it

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