



Abila 45 E-B/50 E-B-BT - 52 BT

**Compact, affordable
and user-friendly scrubbing machine
with 43, 51 and 50 cm working width**





Abila 45 E-B/50 E-B-BT - 52 BT. Suitable for maintenance cleaning of not too large-sized and irregularly-shaped areas of up to 1,400 sqm

Abila 45 E-B/50 E-B-BT - 52 BT scrubbing machines are available both in the scrubbing single-brush, electrically or battery-powered version with 43 and 51 cm working width and in the version with 2 disc brushes and 50 cm working width.

Abila 50/52 also come in the automatic-drive version (BT) for frequent use and where there are ramps.

They are extremely compact scrubbing machines. Thanks to their width - just 50 cm – they are suitable for areas with many obstacles.

They are especially suitable for cleaning in environments like sales points, car repair shops, gyms or health care environments in general.

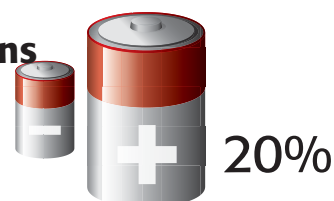
The single brush version is suitable for maintenance cleaning, whereas the two brushes are recommended for deep cleaning. In this latter case, the automatic drive version with continuous speed control is suggested. The electrically powered version is recommended instead for obstacle-free areas.

PLUS

Within their segment, their distinguishing features are mainly:

- a complete range of models,
- top-level performance in its category,
- tank capacity,
- low noise levels for best operating comfort,
- reliability,
- user-friendliness,
- innovative design,
- reduced running cost,
- thanks to the new solutions energy saving up to 20% and less consumptions are assured to Abila:
 - for the same work you can use smaller batteries,
 - with the batteries of the previous model you can work longer.

**Small consumptions
for a great
energy saving**



Abila 45 E-B



Abila 50 E-B-BT

Abila 50 BT - 52 BT (also available with CDS).

User-friendly, compact and innovative

New Abila 50/52 scrubbing machines are user-friendly and designed to be accessible to everybody, even to unskilled operators.

On request, they can be supplied with the new CDS system (Comac Dosing System) for separate control of water and detergent dosing and with on-board

battery charger. After adjusting the quantity of water and detergent that is judged necessary for the specific task, control knobs can be removed so that the operator cannot adjust the flow rate any further and continue to work under the same conditions.

Thanks to the new Comac water and detergent dosing system (CDS) up to 50% solution can be saved.



Separate water and detergent management

The usual manual adjustment of water flow rate on traditional scrubbing machines cannot ensure precise nor constant flow rate, especially as the tank gets emptier. This results in 30% to 50% extra consumption of detergent solution.



BT versions come with a speed control device

• **CDS is the new water and detergent dosing system of Comac for floor scrubbing with separate use of water and detergent which can be individually adjusted with two distinct selectors.**

In this way, solution flow rate can be increased or reduced instantaneously, depending on the type of dirt to be removed, and excessive waste of solution, which is usually the case with traditional scrubbing machines, can be prevented.

• **Thanks to the CDS system, productivity can be increased and constant control over operating costs ensured, which is extremely important especially when the machine is used on a daily basis.**



• **With the Comac CDS system, type of detergent can be easily changed at any time by simply substituting the can (3 l).** This implies:

- complete safety for the operator who does not get in contact with chemicals at all;
- possibility to choose the most appropriate detergent for the type of task to be performed



Abila 52 BT

Its extremely low noise levels together with the possibility to use microfiber pads, make it especially suitable for cleaning community areas such as gyms and hospitals or public and private medical institutions

The new soundproof vacuum head where the suction motor is accommodated, protects it from water seepage and, above all, ensures extremely **low noise levels without giving up suction power**.

That's the reason why Abila scrubbing machines can be used for cleaning environments such as nursing homes, hospitals and retirement homes, that are

extremely noise-sensitive during cleaning operations, or in sales points such as supermarkets during normal opening hours.

For treated or delicate floors, also microfiber pads are available.



Batteries and detergent can be accommodated in the compartment that has been obtained in the solution tank. Just lift the recovery tank to have an idea of how accurately the machine is designed to make everything extremely accessible.

The battery compartment can accommodate two maintenance-free gel batteries or 105 Ah/C5 traditional batteries.



The squeegee follows the machine movements so that perfect drying can be ensured also on bends and its small size ensures access also to narrow spaces

Scrubbing machine without dosing unit

Abila with solution flow distributor



Uniform cleaning performance of the machine is achieved thanks to the special distributor that has been designed by Comac for twin-brush machines which ensures uniform flow of detergent solution even at low flow rates

24V/9A on-board battery charger suitable both for gel and traditional batteries



On request, Abila (BT version) scrubbing machines can be supplied also with the practical on-board battery charger. For machine recharging, you just have to connect the cable that is supplied with the machine to a normal electrical socket so that maintenance procedures are made much easier at the end of every cleaning session.



Thanks to extremely fast maintenance procedures at the end of the day, Abila ensures best cleaning performance.

Comac experience teaches that, when scrubbing machines are properly cleaned at the end of each cleaning session, they ensure better cleaning and constant performance over time.

That's the reason why Abila 45/50/52 scrubbing machines are designed to ensure extremely quick maintenance procedures and greatest time saving.



For automatic brush coupling and release, just apply a light impulse to the safety switch that is fitted on the handle bar (Abila 45/50)



Quick water filling is ensured through the large fill opening. A special filter blocks small impurities that may be present in the liquid



A practical little tube is fitted on the back of the machine to keep fresh water level in the tank always under control and to optimize all operations



The suction motor filter is easy to remove for faster cleaning


















A special basket filter on the recovery water inlet collects small solid debris for much easier cleaning of the recovery tank



The special design of the recovery tank and the large-diameter drain hose ensure **EXTREMELY QUICK** and complete outflow of dirty water without leaving behind any residue or requiring any manual intervention

TECHNICAL DESCRIPTION		Abila 45 B	Abila 45 E	Abila 50 B	Abila 50 BT	Abila 50 E	Abila 52 BT
Squeegee width	mm	660	660	760	760	760	760
Cylindrical brushes (No.)	mm	430 (1)	430 (1)	510 (1)	510 (1)	510 (1)	255 (2)
Brushes rpm	rpm	140	220	140	140	220	275
Brushes motor	V/W	24/400	230/750	24/400	24/400	230/750	24/400
Suction motor	V/W	36/550	230/450	36/550	36/550	230/450	36/550
Traction motor	V/W	-	-	-	24/150	-	24/150
Suction vacuum	mbar	188	100	188	188	100	188
Forward speed	km/h	-	-	-	0+4	-	0+4
Max gradient at full load	%	2	2	2	10	2	10
Batteries	V/Ah C5	12/105 (2)	-	12/105 (2)	12/105 (2)	-	12/105 (2)
Batteries weight	kg	63	-	63	63	-	63
Detergent tank capacity (versions with CDS)	l	3	-	3	3	-	3

									
	Working width mm	Brushes pressure Kg	Power supply V/ traction	Voltage V/ Frequency Hz/ 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)
Abila 45B 	430	23	24/ semi aut.	-	48	54	1470	1120 1005 490	132
Abila 45E 	430	23	-	220-230/50-60 semi aut.	48	54	1470	1120 1005 490	132
Abila 50B 	510	23	24/ semi aut.	-	48	54	1750	1170 1005 545	132
Abila 50BT 	510	23	24/aut.	-	48	54	1750	1170 1005 545	132
Abila 50E 	510	23	-	220-230/50-60 semi aut.	48	54	1750	1170 1005 545	132
Abila 52BT 	500	23	24/aut.	-	48	54	1750	1070 1005 550	132

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.



KEY WORDS:



Machine for commercial use



B - Battery powered machine with voltage value



E - Mains-powered machine with voltage value

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