

KÄRCHER

DON'T DO IT YOURSELF.

Fully autonomous floor cleaning.



PROFESSIONAL | KIRA B 50 SERIES

GOOD FOR BUSINESS. EVEN BETTER FOR YOUR TEAM.

Scrubbing hard floors is time intensive and qualified personnel are more scarce than ever. The Kärcher KIRA BR 50 is the ideal solution and a welcome addition to any cleaning team. Thanks to the powerful autonomous operating system, lithium-ion battery, and advanced cleaning head technologies, the KIRA B 50 series can meet the most stringent demands of any facility each and every day.



FIVE ADVANTAGES OF THE KIRA BR 50 CLEANING ROBOT

- **Less work**
Cleaners no longer have to perform monotonous tasks, instead taking on more complex work.
- **Cost-effectiveness**
The ability to perform cleaning tasks in parallel saves time and increases productivity.
- **Operation**
Intuitive operation thanks to a large touch display, simple maintenance and servicing.
- **Safety**
Safety certified for work in all public areas thanks to incredible environmental recognition software. Features both autonomous as well as manual modes of operation.
- **Autonomy**
Optional Docking Station available to facilitate fully autonomous resource exchanges.

FULLY AUTOMATED, WELL-THOUGHT-OUT CLEANING FROM START TO FINISH

Once KIRA BR 50 starts a routine, it will completely clean that area independently. The optional docking station can help take that independence to a whole new level.

Cleaning floor areas autonomously using the Kärcher cleaning robot means that the cleaning team no longer has to perform monotonous tasks, which increases productivity.

Time-tested brush head engineering, a side brush for cleaning edges, and responsive path planning ensure excellent cleaning results while reducing your manual follow-up work to a minimum. As a result, the only human intervention that is required, apart from maintenance, is refilling the fresh water, cleaning the dirty water tank and, of course, also making sure that the battery is charged.

The docking station removes the need for human interaction for all resource exchanges. This will help the scrubber become a fully autonomous cleaning machine. All that is needed are a fresh water supply, access to power as well as an approved drain or sanitary system, ideally at floor level.

KIRA BR 50 docks at the docking station as needed, and everything else happens automatically – from refilling the fresh water tank to emptying and rinsing the dirty water tank and charging the lithium-ion battery. Multiple docking stations can be used to minimize travel time to resource exchange sites and further improve overall efficiency.



A blue autonomous floor cleaning robot, the KIRA BR 50, is shown in a modern hallway. The robot has a prominent orange flashing light on top and blue LED lights on its front and sides. It is positioned on a light-colored floor, with a large, textured blue wall on the left and a doorway on the right. The robot's design is sleek and industrial, with a central panel and various sensors visible.

KIRA BR 50, EFFICIENCY IS STANDARD.



Thanks to the powerful lithium-ion battery, brush technology with pre-sweeping function, side brush and 22-inch working width, the cleaning performance of KIRA BR 50 is comparable to that of a conventional scrubber in every way.

Technical data

KIRA BR 50 W

TECHNICAL SPECIFICATIONS

Brush type		2x Cylindrical
Working width	in.	22
Max. area performance	ft ² /h	25,450
Fresh/dirty water volumes	gal.	14.5 / 14.5
Length x width x height	in.	42 x 30 x 46
Weight without water	lbs.	502
Climbing ability, autonomous	%	6
Min. clearance width, autonomous	in.	39.5
Wall clearance, autonomous	in.	4
Battery type		Li-ion
Battery	V/Ah	24 / 160
Battery runtime	h.	3.5
Maximum speed, autonomous	mph	2.7

EQUIPMENT

Order No.	Description
1.533-003.0	KIRA BR 50 W, autonomous floor scrubber, cylindrical, li-ion batteries

ACCESSORIES

Order No.	Description
■ 4.042-048.0	Side broom
■ 4.035-184.0	Red brush, standard
■ 6.273-027.0	Oil resistant squeegee blades
■ 4.037-167.0	Oil resistant side blades
□ 4.762-409.0	White brush, soft
□ 4.762-410.0	Orange brush, hi/lo
□ 4.762-411.0	Green brush, aggressive
□ 4.762-415.0	Aluminum roller shaft
□ 4.114-010.0	Microfiber sleeve
□ 4.043-196.0	Linatex squeegee blades
□ 4.037-166.0	Linatex side blades
□ 4.042-129.0	Add on kit blue spotlight
□ 4.042-050.0	Detergent tank
□ 2.042-000.0	Docking station

■ Included □ Optional

YES. OPERATING THE MACHINE REALLY IS THAT SIMPLE.

Anyone who can operate a smartphone will have no problem with KIRA BR 50. There is no need for any expert knowledge or specialist expertise. And that's a promise.

Highly complex technology can only be said to have fully come into its own once it has become easy to operate. This is the case for smartphones as well as for today's generation of vehicles, and, of course, it is also the case for a fully autonomous scrubber.

This is why all the settings on KIRA BR 50 – even its full operation – are very easy for daily operators without extensive knowledge to perform, thanks to a simplified menu, machine based guidance and intuitive design. No one

will find themselves having to remember countless knobs and levers, because there simply aren't any. Everything works in a user-friendly manner with various languages that can be selected via a large, central touch display.

Clear instructions and straightforward illustrations ensure that operation is simple in any situation, including setting up the machine for the intended cleaning tasks, starting autonomous cleaning, activating the cleaning units and using manual cleaning mode. The display



always shows the buttons required for the current task only – making it simple and safe. Even the surroundings detected by the sensors can be visualized using a map during set-up, so that you can see even more precisely what the cleaning robot detects and where it has already cleaned.

To ensure security, several user profiles with different levels of authorization can also be assigned. This means that you decide who is allowed to use certain settings on the machine,

and as a result we can ensure individuals without proper authorization are not able to operate the unit or alter the scrubber parameters.

CLEAN AUTONOMOUSLY, INCREASE EFFICIENCY





SAFE NAVIGATION. CERTIFIED SAFETY.

Safety is paramount. Always. That is why the cleaning robot's environment recognition system is designed for optimal navigation, as well as with a particular focus on guaranteeing the safety of people in the area.



Integrated laser scanners, along with 3-Dimensional sensors and the powerful on board computer maximize the KIRA's ability to work safely in its 360 degree environment. Being able to react quickly and reliably the first time, every time is the most important thing. KIRA never stops detecting and updating it's immediate surroundings to ensure it can safely work around humans and obstacles and make evasive maneuvers if necessary. Additionally, there is an integrated light package that helps individuals in the area observe and understand the robots behavior.

The unit is also safety certified in accordance with the CSA_22.2 No. 336-17 and IEC 60335-2-117 for use in public areas.

Please contact us for more information:

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