

**KÄRCHER**



# MEET KIRA B 50, OUR NEW ROBOT.

Autonomous Cleaning. [karcher.com.au](https://www.karcher.com.au)

PROFESSIONAL | KIRA B 50

# GOOD FOR BUSINESS. EVEN BETTER FOR YOUR TEAM.

Floor cleaning is time-intensive, and qualified personnel are scarce. The Kärcher KIRA B 50 cleaning robot is the ideal solution and a great addition to any cleaning team. While it cleans medium and large areas efficiently, just like a scrubber dryer, it does so fully autonomously. Your cleaning team can use this time to focus on more complex cleaning tasks.



## FIVE ADVANTAGES OF THE KIRA B 50 CLEANING ROBOT

- Efficiency: 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.
- Intuitive operation: easy to configure, operate and maintain via the easy to use touch display.
- Safety: safety certified for public areas thanks to excellent perception of environment.
- Autonomy: an optional docking station facilitates fully autonomous replacement of resources. The cleaning module keeps manual preparatory work and rework to a minimum.

# MANY BENEFITS RIGHT FROM THE START

Intelligent equipment, excellent cleaning performance, cost-effective and intuitive operation: the KIRA B 50 cleaning robot is impressive both at first glance and during day-to-day use.



**Docking station**

- Enables fully autonomous operation
- Automatic resource replacement (charging the battery, refilling with fresh water, draining dirty water and rinsing the tank)
- Docking station is optionally available (operation also possible without docking station)



**Multisensor system**

- Powerful optical and acoustic sensors
- 360° view from laser sensors
- Reliable detection of glass and obstacles
- Sensor monitoring of side areas

**Roller brush head**

- Pre-sweeping and scrubbing in a single step
- Has a 550m sweeping width
- Excellent cleaning performance, even on textured and uneven floors

**Side brush**

- Cleans right up to the edge
- Conveys dirt from the edge into the cleaning path
- Keeps manual sweeping to a minimum

# EXCELLENCE IS IN THE DETAIL

It's the many details, big as well as the small, that turn good ideas into excellent cleaning robots. For maximum performance and safety.



#### Extensive standard equipment

- High-performance lithium-ion battery
- Dose cleaning agent system that conserves resources
- Time-saving auto-fill function and automatic dirty water tank rinsing
- Speed-dependent water dosing
- Flashing beacons to increase safety
- Innovative LED light modules



#### Connectivity

- Access to detailed information via the KIRA web portal
- Web portal containing cleaning reports, notifications, machine status and much more
- Sending of notifications and status messages to mobile devices



#### Compactness

- Compact design
- Facilitates use in narrow spaces



#### Obstacle avoidance

- Scans surroundings and recognises unknown obstacles
- Automatic planning of route alterations to avoid obstacles
- Autonomous recovery manoeuvres to prevent cleaning interruptions



#### Safety certifications

- Safe, contactless detection of obstacles, potential for falls and people
- Safety certified in accordance with CSA\_22.2 No. 336-17 and IEC 63327
- Suitable for operation in public areas



#### Operation

- Large, high-resolution touch display for easy, intuitive control of all machine functions
- Graphic user interface provides clear instructions, illustrations and animations, guiding the user through all steps required in a clear way
- Simple to set up and operate the robot without the need for expert knowledge

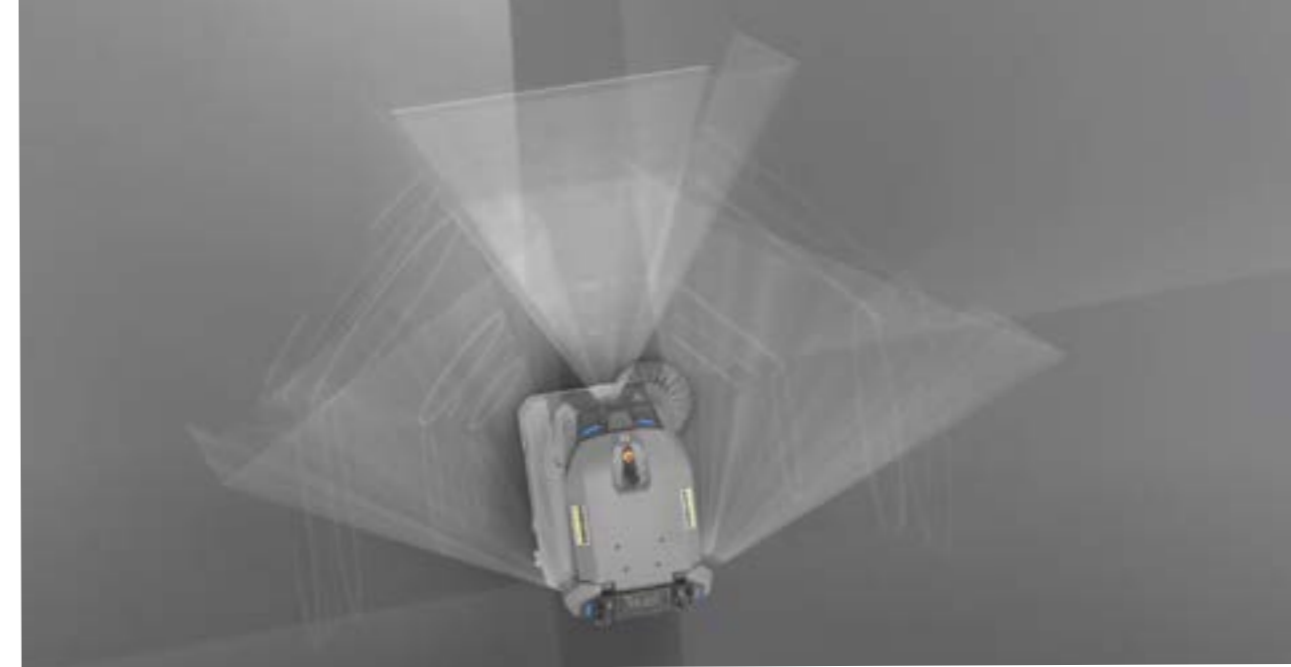


#### Operating modes

- Autonomous and manual operation possible
- Allows for manual spot cleaning
- Several user profiles can be set with individual levels of authorisation



# KIRA B 50. EFFICIENCY. AS STANDARD.



Thanks to the powerful 160 Ah lithium-ion battery, roller brush technique with pre-sweeping function, side brush and 550-millimetre working width, the cleaning performance of the KIRA B 50 is comparable to that of a conventional scrubber dryer in every way.

The compact, manoeuvrable scrubber dryer robot is impressive, not only in environments where space is limited, but also over large areas, making it ideal for floor cleaning in the transport sector (airports, stations, logistics warehouses), retail units and shopping centres, healthcare settings (hospitals, care facilities), public buildings (schools, universities, museums, sports halls) or for cleaning production and manufacturing areas.

With efficiency as standard, the machine ensures consistently outstanding cleaning results within a pre-determinable time frame. To do so, the water volume, detergent dosing and speed of cleaning used can be preset.

This allows for well-calculated consumption of resources and therefore also consistent costs for each individual cleaning process. Furthermore, the cleaning solution is applied in accordance with the speed of the machine. This ensures that the quality of cleaning is to a high standard, as well as saving resources and money.



# CLEAN FLOORS PERFECTLY. BUT ALSO COST-EFFECTIVELY.

Anywhere that large floor areas regularly have to be cleaned, the cost-effectiveness as well as the quality of cleaning will be the focus for customers and contractors.

**Cleaning professionals in building cleaning, airports, supermarkets or in manufacturing areas know that floor cleaning is huge staff-intensive and time-intensive job, meaning it is also unfortunately relatively expensive.**

Often, qualified cleaners who could in fact be using their time to do more complex tasks are called on to carry out the floor cleaning. In other cases, such as in retail units or in

the transport and logistics sectors, other employees often fill the gap, yet they are then not available to contribute to the core business.

The fully-automated KIRA B 50 scrubber dryer provides a solution, cleaning floor areas independently and, if desired, fully autonomously. This reduces not only the use of personnel but also enables cleaning tasks to be performed in parallel.



As the machine cleans floors without any decrease in quality, this significantly frees up team member time which can then be spent performing more challenging tasks in other locations. In this way, people and machines can work productively together, ensuring that cost-effectiveness is significantly higher for floor cleaning than it's ever been.

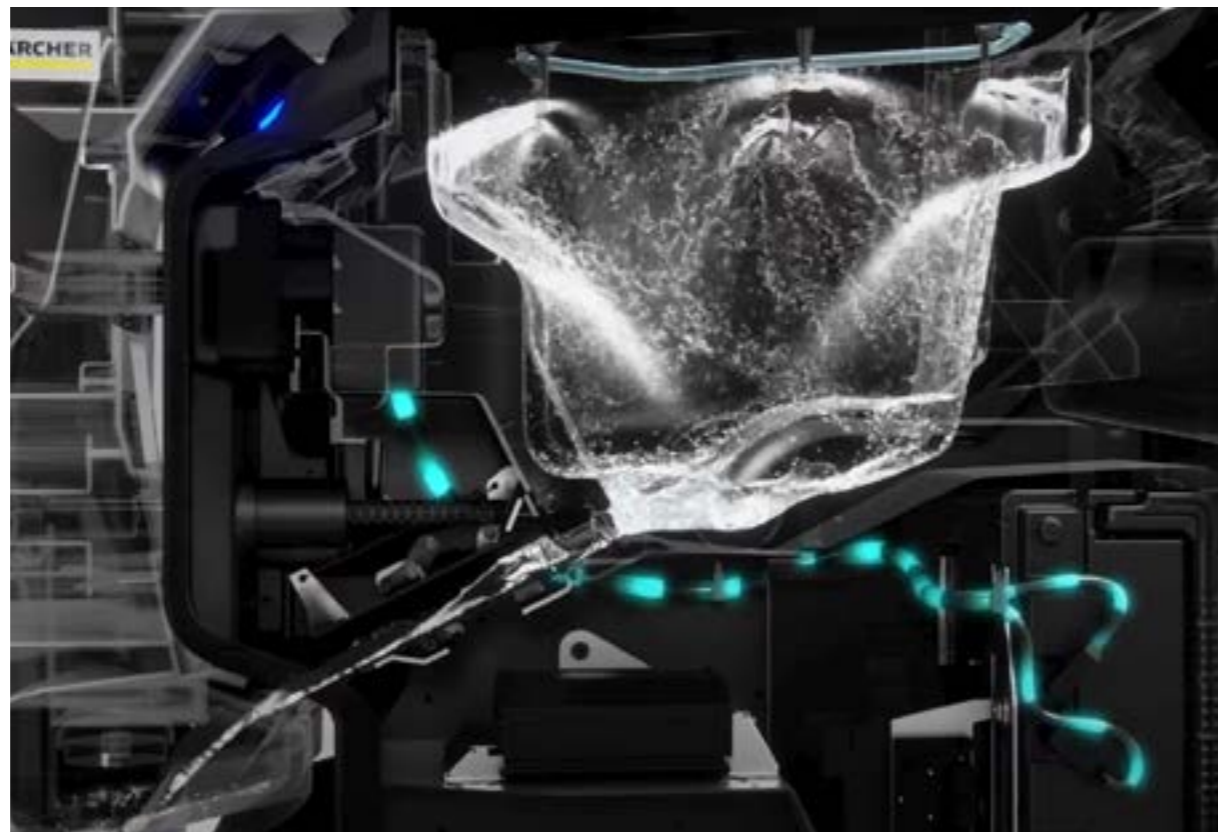


# FULLY AUTOMATED, WELL-THOUGHT-OUT CLEANING FROM START TO FINISH

Once started, the KIRA B 50 cleans a predefined area completely independently. The optional docking station takes cleaning to a whole new level.

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

The tried-and-tested roller brush technique with pre-sweeping function for coarse dirt, as well as a side brush for cleaning right up to the edge, not only ensures excellent cleaning results but also reduces the need for manual preparation and 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 these tasks, turning the independent cleaning robot into a fully autonomous machine that looks after itself. What's needed? Connections for fresh water and electricity at the planned docking station site, plus a floor drain.

As needed, the KIRA B 50 docks at the docking station, and everything else happens autonomously - from emptying the dirty water and rinsing the dirty water tank, to refilling the freshwater tank and charging the lithium-ion battery. Several docking stations can also be used to optimise processes for cleaning very large areas.



# DOES EXACTLY WHAT YOU WANT

The KIRA B 50 is not about strict schedules. Instead, it offers the maximum level of flexibility in use – perfectly attuned to your actual current cleaning requirements.

**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 dryer.**

This is why all the settings on the KIRA B 50 – even its full operation – are very easy for non-specialists without expert knowledge to perform, thanks to intuitive menu and user guidance and straightforward set-up concepts. 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 – unambiguous, clear and safe. Even the surroundings detected by the sensors can be visualised 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 authorisation can also be assigned. This means that you decide who is allowed to carry out which settings on the machine, and as a result you can almost completely exclude the possibility of incorrect operation by unauthorised persons.

# YES. OPERATING THE MACHINE REALLY IS THAT SIMPLE.

In short, a cleaning robot should take the weight off the shoulders of your cleaning team, provide support and do exactly what is required of it at any point. In addition, environmental conditions and cleaning requirements can change almost daily, for example if there are barriers in an airport or obstacles have to be dealt with in a logistics warehouse, or, in public buildings with a high footfall, cleaning requirements increase due to wet weather. Flexible availability and robust, reliable navigation are crucial here – qualities that the KIRA B 50 effortlessly brings to bear, offering the highest level of flexibility.

Be it extensive cleaning tasks over large areas or quick use as a manual scrubber dryer, the intelligent concept allows for both options and everything in between. Thanks to its easy operation, setting up the machine for your intended purpose is a breeze and can be done without the need for expert knowledge. Partial areas can also be cleaned individually instead of complete large surfaces, and cleaning sequences can be adapted to current, day-to-day needs. Even in the event of changes to the surroundings in a partial area, all you need to do is set this part up again; the settings for the remaining area are retained.







# SAFE NAVIGATION. CERTIFIED SAFETY.

Safety is paramount. Always. That is why the cleaning robot's environment perception 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, 3D and ultrasound sensors, plus a powerful on-board computer: simultaneously ensures optimal 360° detection of the environment, recognition of overhangs over the entire machine height and on the side areas, with quick responsiveness and reliable navigation. The sensors reliably detect changes in the environment, even transparent obstacles such as glass doors, allowing for independent performing avoidance manoeuvres where necessary. Thanks to intelligent recovery manoeuvres, the KIRA B 50 finds its own navigation solutions, even in tricky situations such as dead ends.

To do so, an integrated warning light concept safely informs people in the area about the cleaning robot's behaviour and change in direction. The robot is safety certified in accordance with CSA\_22.2 No. 336-17 and IEC 63327 for use in public areas. Upon request, a spotlight can also be fitted, which draws attention to the cleaning robot.



# FULL CONTROL. AT ALL TIMES. EVERY- WHERE.



The cleaning robot is connected directly to a web portal, which shows you all the important machine data at a glance, at any time and from anywhere, so that you have everything under control at all times.

Whether you have a single machine or a full fleet of cleaning robots, the dedicated web portal allows you to manage everything conveniently and clearly in just a few clicks.. The KIRA B 50 automatically sends clear cleaning reports with detailed usage information, providing you with perfect documentation, and also keeps track of other messages in a notification log.

You can receive important notifications, such as machine malfunctions or the status of a cleaning task, directly by e-mail or text message. Of course, it is also possible to select employees on-site to receive notifications, so that they can intervene if necessary.

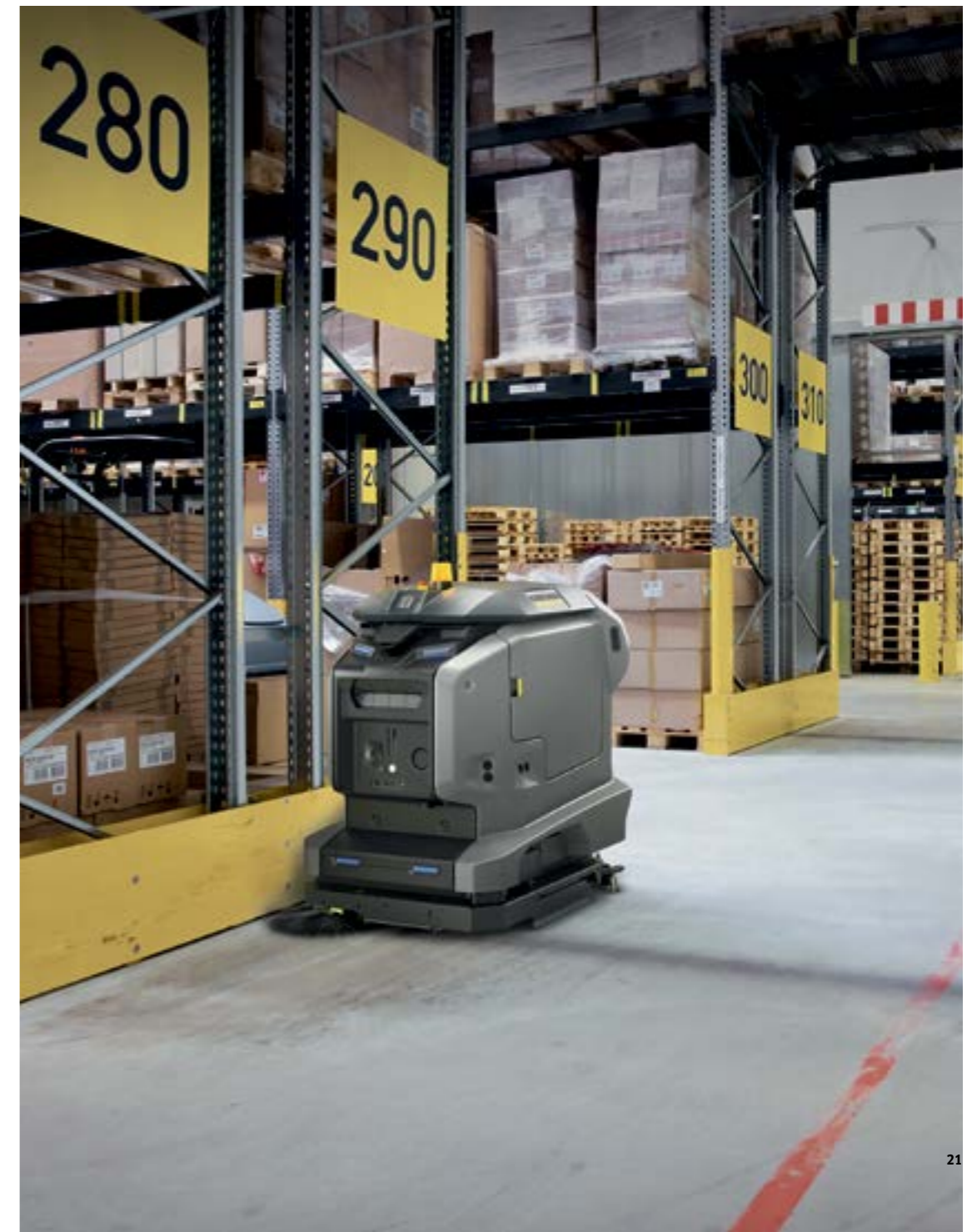
# FULLY EQUIPPED. STRAIGHT FROM THE FACTORY.

Either with or without a docking station, the KIRA B 50 is always prepared for fully autonomous operation, offering an abundance of outstanding equipment features.



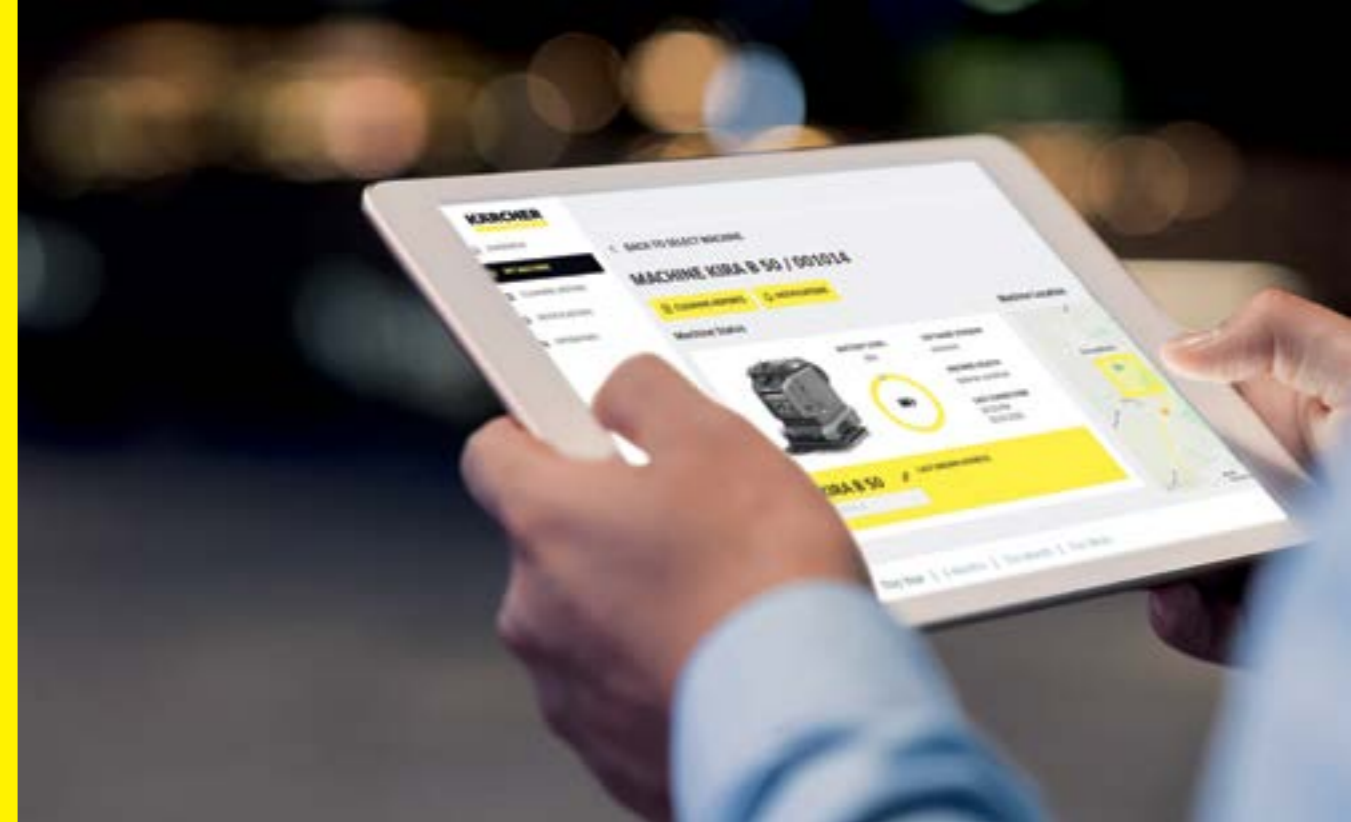
## Technical data

Working width	550 mm
Fresh/dirty water volumes	55/55 l
Brush type	Roller brushes
Battery type	Li-ion
Battery	24 V/160 Ah
Battery runtime	3.5 h
Maximum speed, autonomous	3.6 km/h
Max. area performance	2,000 m <sup>2</sup> /h
Length x width x height	1,062 x 760 x 1,161 mm
Weight without water	228 kg
Climbing ability, autonomous	6 %
Min. clearance width, autonomous	1,000 mm
Wall clearance, autonomous	100 mm



# KIRA CARE: OUR SERVICE. YOUR BENEFIT.

When calculating your costs, nothing is more helpful than being able to determine your expenditure in advance as precisely as possible. With the KIRA Care service packages, you know in advance exactly what lies ahead. Benefit from comprehensive services that make your day-to-day business operations run smoothly.



The KIRA Care package always includes access to the web portal, software updates and a functional guarantee, which also covers the battery. Of course, you can rest assured that only original spare parts and trained and experienced service technicians will come to your aid should maintenance be required, the cost of which is naturally already covered by your care package. There's no need for you to expend any time or effort, since we plan and coordinate our Factory Customer Service visits so that you don't have to worry about a thing.

You can cover even more eventualities with the KIRA Care Plus package. For example, in the event of a machine failure, you will receive a replacement immediately, as well as benefiting from particularly fast response times or simply having all required consumables included upfront. What is more, you will regularly receive tailored advice for efficient use of your cleaning robot.

The KIRA Care packages are the perfect complement to your autonomous Kärcher scrubber dryer.

Features	KIRA Care	KIRA Care Plus
Set-up	■	■
Instruction and user training	■	■
KIRA success management	-	■
Inspection and maintenance	■	■
Functional guarantee	■	■
Replacement machines	-	■
Battery	■	■
Consumables	-	■
Mobile communications and connectivity	■	■
Software updates	■	■
Technical hotline / support	Business hours	Priority / extended
Reaction time	Standard	24 h
Resolution time	Standard	48 h

# POWERFUL. SAFE. ENVIRONMENTALLY FRIENDLY.



**FloorPro Cleaner  
CA 50 C eco!perform**



**FloorPro Fine Stoneware Cleaner  
RM 753**



**FloorPro Wipe Care Extra  
RM 780**



**FloorPro Industrial Cleaner  
RM 69**

Depending on the location of use, the floor covering and how dirty it is, Kärcher recommends various cleaning agents to be used with the KIRA B 50 cleaning robot – every one, of course, perfectly tailored to the machine, safe to use and environmentally friendly.

#### **FloorPro Cleaner CA 50 C eco!perform**

This all-rounder can be used universally, virtually anywhere and on all water-resistant and alcohol-resistant hard and flexible surfaces. The cleaner reliably removes footprints, dust, dirt caused by emissions, prevents quick recontamination and achieves streak-free cleaning even on high-gloss surfaces. What is more, the CA 50 C eco!perform boasts EU Ecolabel certification.

#### **FloorPro Fine Stoneware Cleaner RM 753**

This special cleaning agent for fine stoneware tiles reliably removes even stubborn oil, fat and mineral contamination, whilst preserving the slip-resistant effect of the tiles. This makes it particularly suitable for use in retail units and shopping centres.

#### **FloorPro Wipe Care Extra RM 780**

Powerful cleaning and care agent for maintenance cleaning of all water-resistant, hard and resilient floors and floor coverings. Anti-slip certified in accordance with DIN V 18032-2:2001-04 and therefore particularly suited to use in sports halls and multi-purpose halls.

#### **FloorPro Industrial Cleaner RM 69**

In areas with the highest levels of contamination, such as in industrial contexts or in the transport sector, the industrial cleaner ensures powerful and low-foam removal of even the most stubborn fat, oil, soot and mineral contamination on all water-resistant, alkali-sensitive and alkali-resistant floors.

# WE ARE JUST A QUESTION AWAY



services

By professionals for professionals - as a global market leader, Kärcher offers you a diverse range of top-class services, as well as innovative and customised solutions for your requirements. We are happy to help. Every time you need our support.



cleaning consulting



all brands service



financial solutions



original spare parts



short-term hire



service



service packages



used



rental

## MORE INFORMATION

Our support for your success: we are your reliable partner when it comes to cleaning.

More information about our top services can be found at [karcher.com.au](https://www.karcher.com.au)



makes a difference

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