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KÄRCHER

JUST PRESS DONE

This robotic vacuum
is easy on every level.



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RELIEVE THE PRESSURE ON YOUR CLEANING TEAMS.

As a professional in the cleaning industry, you face many challenges. Finding skilled workers, preventing staff from leaving, and managing costs are all difficult tasks. That's why it's crucial to optimize your team's workload. By doing so, you can make things better for your cleaning teams and increase productivity.

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SIX ADVANTAGES OF THE KIRA CV 50 AUTONOMOUS ROBOTIC VACUUM CLEANER

- **Less work:** Cleaners don't have to perform repetitive tasks anymore. This gives them more time to focus on harder jobs.
- **Saves money:** These robots allow cleaners to complete multiple cleaning tasks at the same time, which saves time and makes work more efficient.
- **Easy to use:** Easy to operate with its display and control panel. It can start cleaning right away without any special setup.
- **Cleans carpet and hard floors:** Seamlessly transitions from carpets to hard floors, providing consistent cleaning performance on various surfaces with specialized settings for each.
- **Safety:** Certified for safety in public areas. It uses advanced LiDAR technology to detect its surroundings and avoid accidents.
- **Long-lasting battery:** Works for a long time without needing to be charged. It has powerful batteries that can also be used with other Kärcher machines.

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CONVENIENT. POWERFUL CLEANING.

The KIRA CV 50 is a super easy to deploy machine that can navigate easily and maintain thoroughly. It's designed to make cleaning a breeze and save you money too.

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LiDAR sensor

Interactive display with control panel

Two powerful 36 V exchangeable batteries

Pull-out transport handle

Large waste container

Collision sensor for detecting contact with flat obstacles

Side handles for lifting the machine

Decoupling of the wheels for easier transport

Two side brushes for cleaning right up to the edge

Large working width of the roller brush

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INSPIRING HIGHLIGHTS



You can find the technical data for the KIRA CV 50 autonomous robotic vacuum cleaner on page 21.

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Exploring the KIRA CV 50 robotic vacuum cleaner: This amazing device offers advanced features to make cleaning easy and effective. Its smart functions include:

Two powerful 36V exchangeable batteries

- Compatible with other machines from the 36V Kärcher Battery Power+ battery platform
- Non-stop cleaning possible so that optimum use can be made of short time slots for cleaning without having to wait for batteries to charge
- Can be used with one or two 36V batteries





Interactive display (with control panel)

- Simple selection via the control panel
- The robot can be fully operated via the display; no app required for daily use, maps available offline
- Emergency stop for immediate stopping





Pull-out transport handle

- Ergonomic transport – the machine can be pulled behind you
- Transport to the next place of use or storage location

Large working width of the roller brush

- nearly 14" working width for efficient cleaning, theoretical area performance of 5,651 ft²/h
- Roller brush suitable for carpets and hard floors

Large waste container

- Large capacity of 1.2 gallons, no frequent emptying required
- Easy to empty, sustainable without the need to dispose of filter bags





LiDAR sensor

- Mapping and detection of objects
- Range of over 65 ft, which enables navigation in spacious environments
- LiDAR cover detects object height for navigation

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INNOVATIONS AS STANDARD

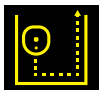
The autonomous robotic vacuum makes cleaning easier for maintenance staff and teams. It's designed to be easy to use, so you don't need to be an expert to operate it. It also meets the highest safety standards to ensure it's safe to use.

The KIRA CV 50 is a special kind of vacuum cleaner called an autonomous robotic vacuum. It can do a lot of work without needing much help and can make life easier for cleaning teams. Instead of spending a lot of time vacuuming, the KIRA CV 50 can do it all by itself. This means the cleaning team can focus on other more important tasks.

The KIRA CV 50 is designed to be small and easy to use. It has powerful batteries that can last a long time and it can move around easily. It's like having a helpful companion that can clean an area of over 3,000 square feet every hour. It can even clean under tables and right up to the wall.

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INNOVATION AT A GLANCE



Compactness

- Compact design
- Can be used in narrow spaces and, thanks to the low height, even under tables



Obstacle guide

- Sensor range of over 65 feet with reliable obstacle detection, suitable for spacious environments
- Autonomous mapping of the cleaning surface with automatic segmentation and efficient route planning
- Autonomous free travel maneuvers avoid cleaning interruptions



Safety

- Safe detection of walls, obstacles, falls and people
- Safety-certified in accordance with IEC 63327
- Suitable for operation in public areas



Operation

- Can be operated either via the app or directly on the machine
- The robotic vacuum cleaner is easy to set up and operate without the need for expert knowledge
- Display with button control panel for intuitive control of the unit functions
- Can also be used in closed rooms without any prior set-up
- Innovative LED light modules indicate the status of the robot



KIRA Robots app

- For the initial set-up and scheduling of cleaning applications
- Map editing for more efficient cleaning. Zones that are not to be cleaned can be demarcated or special cleaning zones can be defined
- Access to cleaning reports, notifications, machine status, search function and much more
- Connection via mobile phone or wireless network

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EFFICIENCY TIMES THREE.

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Efficiency goes hand in hand with productivity. And productivity is a decisive factor for economic success.

The design. This robotic vacuum cleaner is designed to do a lot of cleaning in a short amount of time. It has a cleaning width of 14 inches and can clean over 3,000 square feet per hour. It can even clean under tables and furniture because of its low height. The side brush not only makes the cleaning width wider, but also ensures thorough cleaning right up to the edges. Another useful feature is that the waste container, which can hold 1.2 gallons of dirt, rarely needs to be emptied.

The software. The KIRA CV 50 can map the area to be vacuumed all by itself and calculate the best cleaning route for efficient and consistent cleaning. It also takes into account the time it takes to clean. The robot uses LiDAR technology for efficient mapping of its surroundings. Sonic sensors provide added precision and safety, allowing the robot to maneuver effectively in various environments. A map can also be created manually for even more precise cleaning control

The exchangeable batteries. The powerful and long-lasting batteries from the Kärcher 36V Battery Power+ platform ensure that the vacuum cleaner can work independently for a long time. With a total runtime of up to 3.5 hours (when using two 36V / 7.5 Ah batteries), there is no need for charging breaks or downtime when using multiple batteries. Even short amounts of time can be used for cleaning.

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QUIET. CONVENIENT. INTELLIGENT.

Vacuum cleaners are not typically known for being quiet. However, the KIRA CV 50 is an exception to this rule. It manages to be both effective at cleaning and remarkably quiet.

Office-friendly noise level. The robotic vacuum cleaner is designed to operate quietly, making it ideal for use in office areas, hotels, and other public spaces. It can easily clean office foyers and hotel corridors during regular working hours without causing disturbance. In noise-sensitive areas like meeting rooms, the vacuum cleaner's Eco mode offers exceptionally quiet cleaning.

High user comfort. The KIRA CV 50 is equipped with a telescopic handle that can be pulled out for easy transportation within buildings. It is not only convenient but also ergonomic. Once placed in the desired area, the machine can be activated manually through the integrated display or scheduled via the app. This allows people and the machine to work together effectively if needed.

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Intelligent navigation. Areas that experience heavy foot traffic tend to get dirtier. With the KIRA Robots app, you can edit the cleaning maps later on and instruct the vacuum cleaner to clean extremely dirty areas twice. The intelligent sensor system ensures precise cleaning in these specific areas, resulting in high cleaning quality.

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OPERATION AND MAINTENANCE. A MINOR DETAIL.

We have all experienced how easy it is to use smartphones, even though they are highly complex devices. The same simplicity applies to the KIRA CV 50. You can easily operate it without needing any expert knowledge or even without any initial setup.



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Effortless start. We promise: there's no need to worry about the KIRA CV 50 being complicated to operate. It is not. In closed rooms, all you need to do is press a button to start Basic mode and let the machine clean the room independently and systematically – directly from the packaging and without any prior set-up via the KIRA Robots app.

However, in order for the autonomous vacuum cleaner to play fully to its strengths, we recommend using the associated app, which works seamlessly with the machine, especially for more complex and covered areas. The relevant environment is mapped independently and an optimized cleaning path is created. Path planning can be further optimized by subsequently editing the map and defining "no-go" zones.

All that remains to be done is to place the KIRA CV 50 in the start area, select the desired map of the surroundings and the machine will do the rest. We are repeating ourselves, but yes, it really is that simple.

Low-maintenance and tool-free. In everyday working life, maintenance work is always annoying and time-consuming. Here too, the KIRA CV 50 scores highly in terms of user convenience. Thanks to its large volume, the frequency of emptying the dust container is minimized. Quickly check the sensors for dirt, remove any trapped dirt from the brushes and side brushes and tap out the filter – that's it. And to make it particularly easy, no tools are required.



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SIMPLY SMART: KIRA ROBOTS APP.

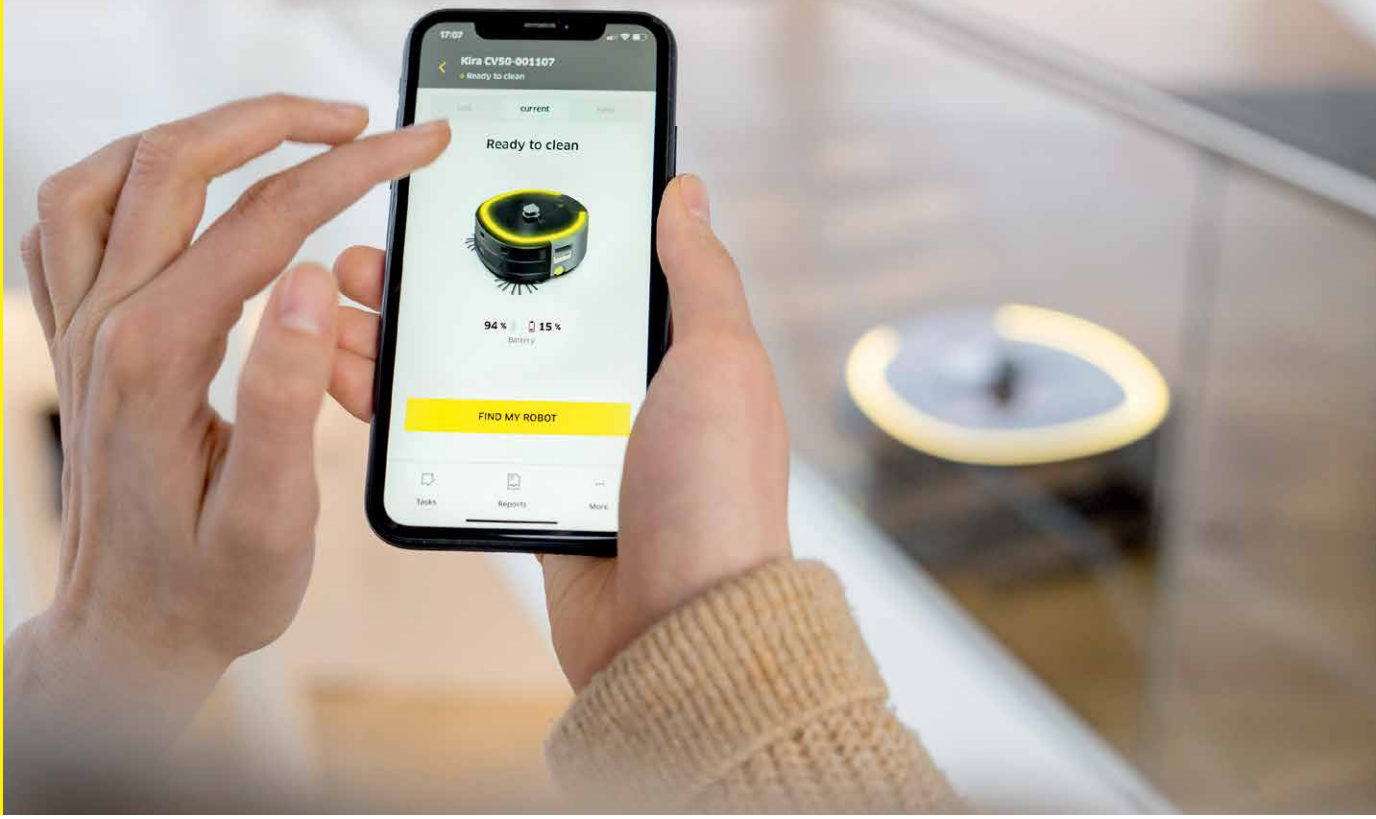
Our KIRA Robots app is the smart connection between man and machine, so to speak, offering full transparency about your own robot fleet and cleaning records at all times, and also enabling subsequent optimization of the environment maps for even more efficient cleaning.

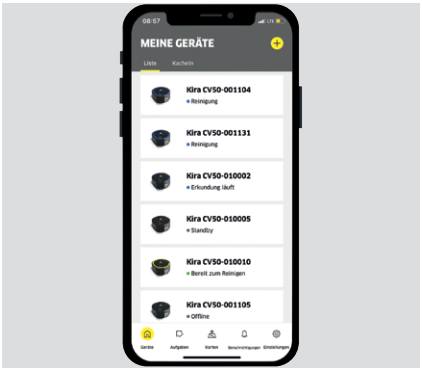
Do it once and you're good to go. To ensure that everything runs exactly as it should in everyday working life, the environments to be cleaned must be mapped in advance by the autonomous robotic vacuum cleaner. The resulting map can then be customized to individual requirements via the app. For example, by defining special cleaning zones or no-go lines and zones. Based on this data, the robotic vacuum cleaner then plans its cleaning route completely independently and with a focus on maximum efficiency.

What's more: this set-up only needs to be carried out once for each environment – except where significant changes are made to the environment. Once saved in the app, it can be customized at any time and is always available – even offline, directly via the appliance display and also for use with other KIRA CV 50 robotic vacuum cleaners.

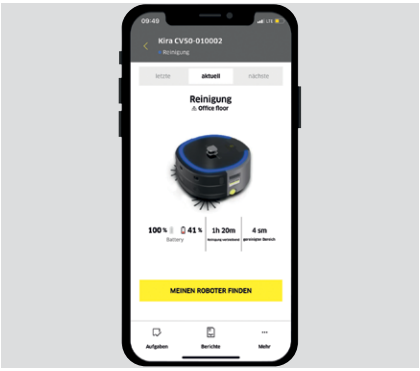
Other convenient functions. Whether for just one machine or for several machines, the app offers many convenient functions to keep you up to date on the machine status and all activities at all times, as well as detailed reports on completed cleaning jobs on mobile devices. It also allows you to set up a delayed cleaning start so that you can start the robotic vacuum cleaner remotely. A search function is also implemented as well as effective theft protection with a PIN function. Thanks to the option to provide the cleaning robots with individual names, you always have an overview, even if several machines are in use. Furthermore, an app account can be shared with several users who can then access the same fleet.

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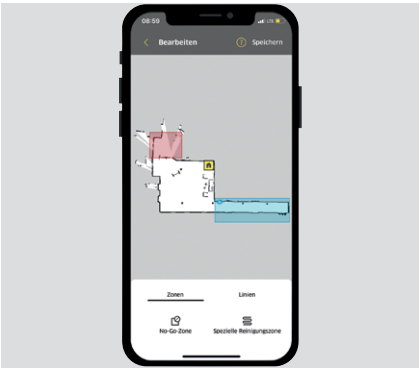




Fleet overview
From the individual machine to the entire fleet – the current status at a glance, including notifications of any changes.



Detailed information with search function
Overview of the robot-specific live status, including battery status, cleaning reports and schedules. Change device settings, search function with current position on the map.

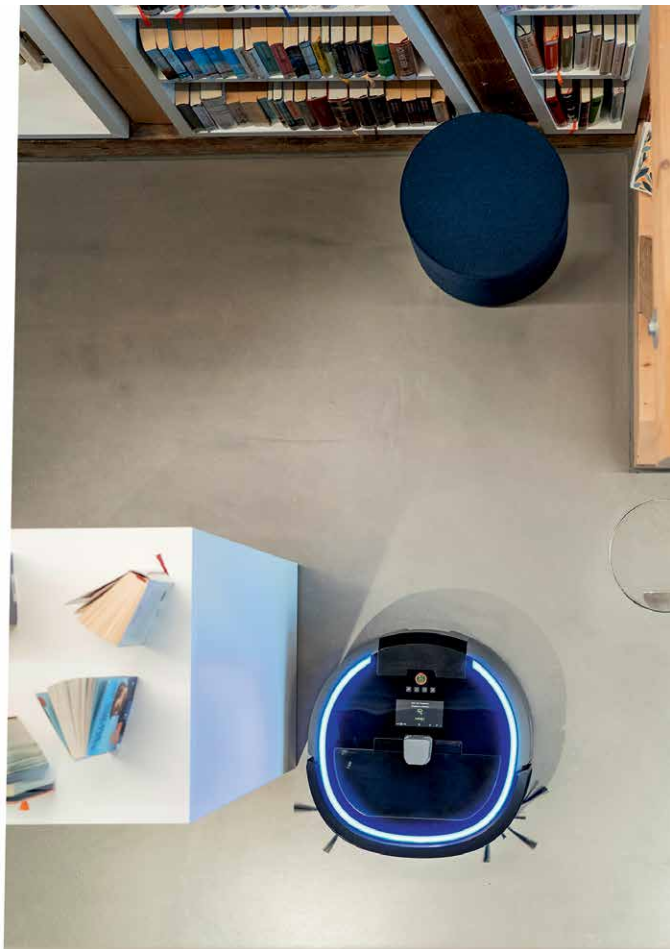


Map editor
Subsequent editing of the cleaning maps, creation of no-go zones/lines and special cleaning zones. Edited map can be assigned to several machines. Maps can be named and grouped (e.g. by building or floor).

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EFFICIENT NAVIGATION. SAFELY.

Safety is paramount. Always. The robotic vacuum cleaner's environment detection system is therefore not only designed for optimal navigation, but also guarantees the safety of people in the area.

Sophisticated sensor technology. Every autonomous function of the KIRA CV 50 is based on a sophisticated sensor concept that ensures efficient navigation – and therefore a consistently high cleaning quality – while, at the same time, reliably avoiding collisions with people and furnishings that go beyond light contact.

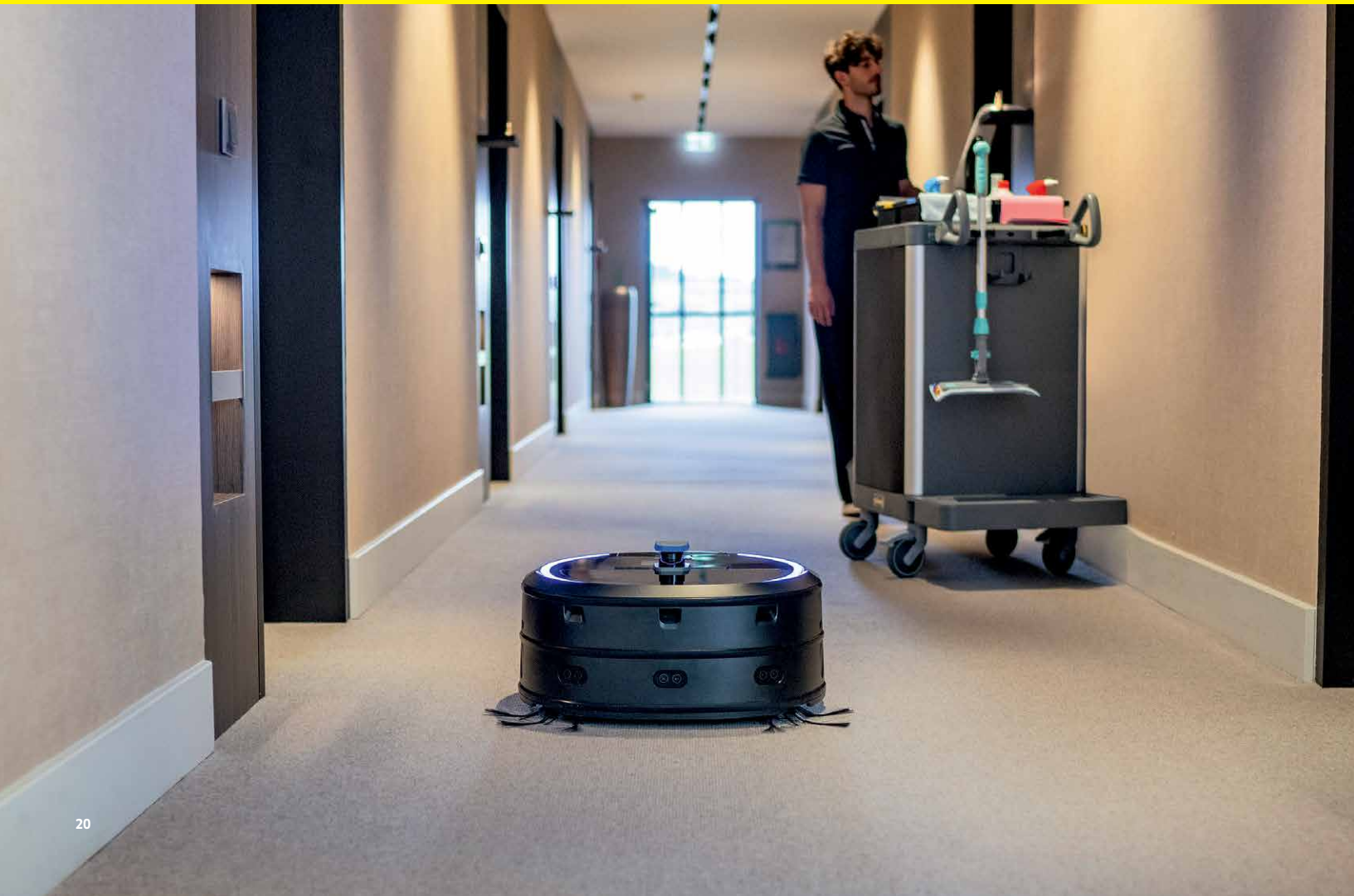
Among other things, the machine is equipped with LiDAR sensor technology, which keeps an eye on the surroundings over a range of 65 feet and therefore does not lose its way even in large, spacious environments. Additionally, optical and acoustic sensors help with collision avoidance, wall tracking and cliff detection.

Versatile and safe. Whether in schools or libraries, in offices or hotels, in convention centers or trade fairs, in corridors or in other public areas: the autonomous robot vacuum cleaner reacts immediately to sudden changes in the environment and, if necessary, automatically initiates appropriate braking and evasive maneuvers. Furthermore, innovative, integrated LED light modules inform people about the behavior and status of the machine, which is safety-certified for public access in accordance with IEC 63327.

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COMPACT VERSATILITY

Compact dimensions, versatile application options. The KIRA CV 50 impresses with the best cleaning quality on any floor – whether on different types of carpets or hard floors.



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Not every room is the same. Floor coverings vary, with spacious areas alternating with smaller units. Flexibility and versatility are therefore decisive factors for excellent cleaning results.

Whatever the conditions of the areas to be cleaned, the KIRA CV 50 masters every challenge. Thanks to its powerful roller brush, it removes any dust from deep-pile, low-pile, needle fleece or loop-pile carpets, and removes every hair from hard floor coverings such as parquet, laminate, tiles or natural stone. Its large working width enables excellent performance over large areas, while its compact dimensions allow you to clean underneath office furniture and along narrow passages. And always efficiently right up to the edge and even in corners.

The autonomous robotic vacuum cleaner also acts and navigates confidently in tight spaces. If necessary, it turns on the spot or reverses out again. In the rare event that it gets stuck, it also frees itself automatically and effortlessly from the situation and resumes its task. Thanks to the constantly available wireless network or mobile phone connection, its current status can also be called up at any time using the KIRA Robots app.

Technical data

Working width	in	13.75
Waste container volume	gal	1.2
Battery type		Li-ion/Battery Power+ platform
Battery (×2)	V / Ah	36 / 7.5
Maximum battery runtime (with two 36 V / 7.5 Ah)	h	3.5
Maximum speed, autonomous	mph	.9
Maximum theoretical area performance	ft^2/h	5,651
Length × width × height	in	23 × 23 × 12
Weight without batteries	lbs	34.5
Climbing ability, autonomous	%	6
Minimum clearance width, autonomous	in	26
Minimum ground clearance, autonomous	in	12.5
Wall distance, autonomous	in	0
Wireless connection		Wireless network and LTE/4G

Equipment

Order No.	Description
9.810-580.0	KIRA CV 50 Autonomous Vacuum

Accessories

	Order No.	Description
■	2.445-075.0	Battery Power+ 36/75 *CUL
■	2.445-053.0	Charger Battery Power+ 36/60 *CU
□	2.889-428.0	Accessories side broom KIRA CV50
□	2.889-429.0	Accessories roller brush KIRA CV50
□	2.889-430.0	Accessories rubber blade KIRA CV50
■	2.889-431.0	Accessories Label KIRA CV50
■	6.414-631.0	Intermediate filter DS
□	2.889-425.0	Accessories filter HEPA H13
□	2.445-076.0	Battery Power+ 36/60 *CUL

■ Included □ Optional

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