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RELIEVE THE PRESSURE ON TEAMS. EARN MORE.

Finding good specialists, avoiding staff turnover, working economically - the challenges for professionals in building cleaning are undoubtedly huge. This makes it all the more important to optimise work processes - for the benefit of the cleaning teams and in terms of productivity.



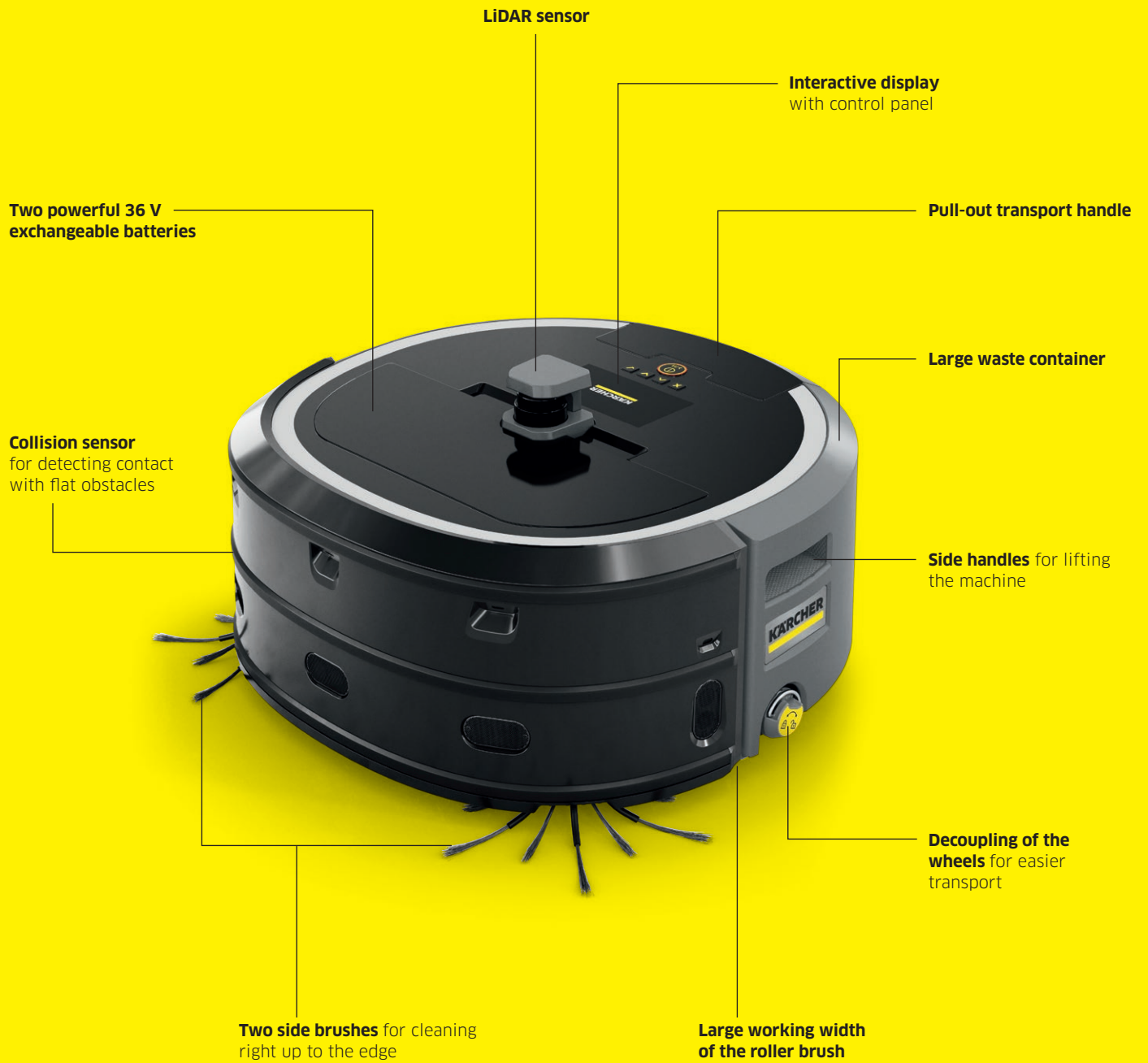


FIVE ADVANTAGES OF THE KIRA CV 50 AUTONOMOUS ROBOTIC VACUUM CLEANER

- **Reduced work:** cleaners no longer have to perform monotonous tasks, freeing up their time for more demanding work.
- **Cost-effectiveness:** the ability to perform multiple cleaning tasks in parallel saves time and increases productivity.
- **Operation:** intuitive operation thanks to the display with control panel. The robot works both with autonomously created cleaning maps and completely without prior set-up – ideal for starting immediately after unpacking.
- **Safety:** safety-certified in accordance with IEC 63327 for public areas thanks to excellent LiDAR detection of surroundings.
- **36 V Kärcher Battery Power+ battery platform:** long work intervals without charging breaks thanks to two powerful exchangeable batteries that are also compatible with other machines from the Kärcher Battery Power+ platform.

CONVENIENT. POWERFUL CLEANING.

Extremely simple operation, ergonomic mobility, consistently high cleaning quality: the KIRA CV 50's sophisticated equipment brilliantly minimises effort whilst also maximising cost-efficiency.



INSPIRING HIGHLIGHTS



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

A look under the hood: the KIRA CV 50 robotic vacuum cleaner impresses with its innovative equipment for thorough and effortless cleaning results. Its smart functions include:

Two powerful 36 V exchangeable batteries

- Compatible with other machines from the 36 V 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 36 V 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



Large working width of the roller brush

- 35 cm working width for efficient cleaning, theoretical area performance of 525 m²/h
- Roller brush suitable for carpets and hard floors



Pull-out transport handle

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

Large waste container

- Large capacity of 4.5 litres, 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 20 m, which enables navigation in spacious environments
- LiDAR cover detects the underside height

INNOVATIONS AS STANDARD

The autonomous robotic vacuum cleaner makes life easier for cleaning staff and teams thanks to its intuitive and uncomplicated operation. It is therefore designed to be so self-explanatory that no expert knowledge is required and, at the same time, it meets the highest standards of safe operation.

The KIRA CV 50 autonomous robotic vacuum cleaner opens up entirely new possibilities to increase productivity in a very economical way and, at the same time, make life easier for cleaning teams. The machine takes over the time-consuming and monotonous task of vacuum cleaning, while the skilled workers concentrate on more complex cleaning tasks at the same time.

Thanks to its compact design, the powerful batteries of the 36 V Kärcher Battery Power+ battery platform and its ergonomic mobility, the KIRA CV 50 is an ideal companion that cleans a practical area of over 300 m² every hour - under tables, of course, and always cleanly right up to the wall.



Compactness

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



Obstacle guide

- Sensor range of over 20 metres with reliable obstacle detection, suitable for spacious environments
- Autonomous mapping of the cleaning surface with automatic segmentation and efficient route planning
- Autonomous free travel manoeuvres 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



THREE- FOLD EFFICIENCY



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

The design. Designed to do a lot in as little time as possible, the robotic vacuum cleaner with a working width of 35 cm practically cleans over 300 m² per hour - including under tables and other furniture, of course, thanks to its low height. The side brush not only extends the width, but also ensures thorough cleaning right up to the edge. Another practical feature is that the 4.5-litre waste container rarely needs to be emptied.

The software. The KIRA CV 50 maps the area to be vacuumed completely autonomously and calculates an optimal cleaning route for efficient cleaning which, at the same time, ensures consistent cleaning quality and also

takes the time factor into account. In order to map efficiently even in environments with lots of glass surfaces, it is also possible to create a map manually.

The exchangeable batteries. Powerful and long-lasting exchangeable batteries from the Kärcher 36 V Battery Power+ platform guarantee maximum independence in terms of location and working time. Thanks to a total runtime of up to 3.5 hrs (when using two 36 V / 7.5 Ah batteries), charging breaks and therefore downtimes are completely eliminated when using several batteries. And even short timeframes can be used for cleaning.



QUIET. CONVENIENT. INTELLIGENT.

Low operating noise is not usually one of a vacuum cleaner's greatest strengths. The KIRA CV 50, on the other hand, squares the circle and vacuums as thoroughly as it does quietly.

Office-friendly noise level. Whether in the late evening hours, at night or during the day, and even in public areas - the autonomous robotic vacuum cleaner always performs its task with a pleasantly quiet operating noise. Ideal, for example, for vacuuming office foyers during typical office working hours or hotel corridors while the cleaner cleans the room at the same time. And where it has to be particularly quiet, such as outside of meeting rooms and in other noise-sensitive areas, its Eco mode sets new standards in quiet vacuum cleaning.

High user comfort. Thanks to a pull-out telescopic handle, transporting the KIRA CV 50 within buildings is not only extremely easy, but also extremely ergonomic. Once placed in the designated area, the machine cleans immediately either by manual activation via the integrated display or by activation at a specific time via the app. This means that, if required, man and machine can work perfectly together at the same time.



Intelligent navigation. Entrance areas, walkways, recreation rooms – the more footfall an area sees, the dirtier it will of course be. Thanks to the KIRA Robots app, the recorded cleaning maps can be edited at a later date, allowing you to specify that extremely dirty areas should be cleaned twice. The intelligent sensor system ensures that the areas concerned are cleaned with pinpoint accuracy, thus ensuring a high cleaning quality even in these cases.

OPERATION AND MAINTENANCE. A MINOR DETAIL.

We know from having smartphones: dealing with highly complex technology can be extremely simple. The KIRA CV 50 is no exception - on the contrary, it can be easily operated without any expert knowledge and even without any set-up.



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 optimised cleaning path is created. Path planning can be further optimised 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 dust container only needs to be emptied every few days. 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.



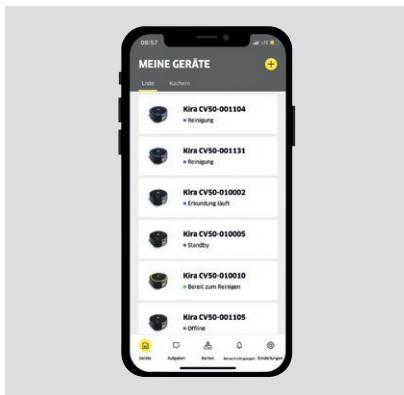
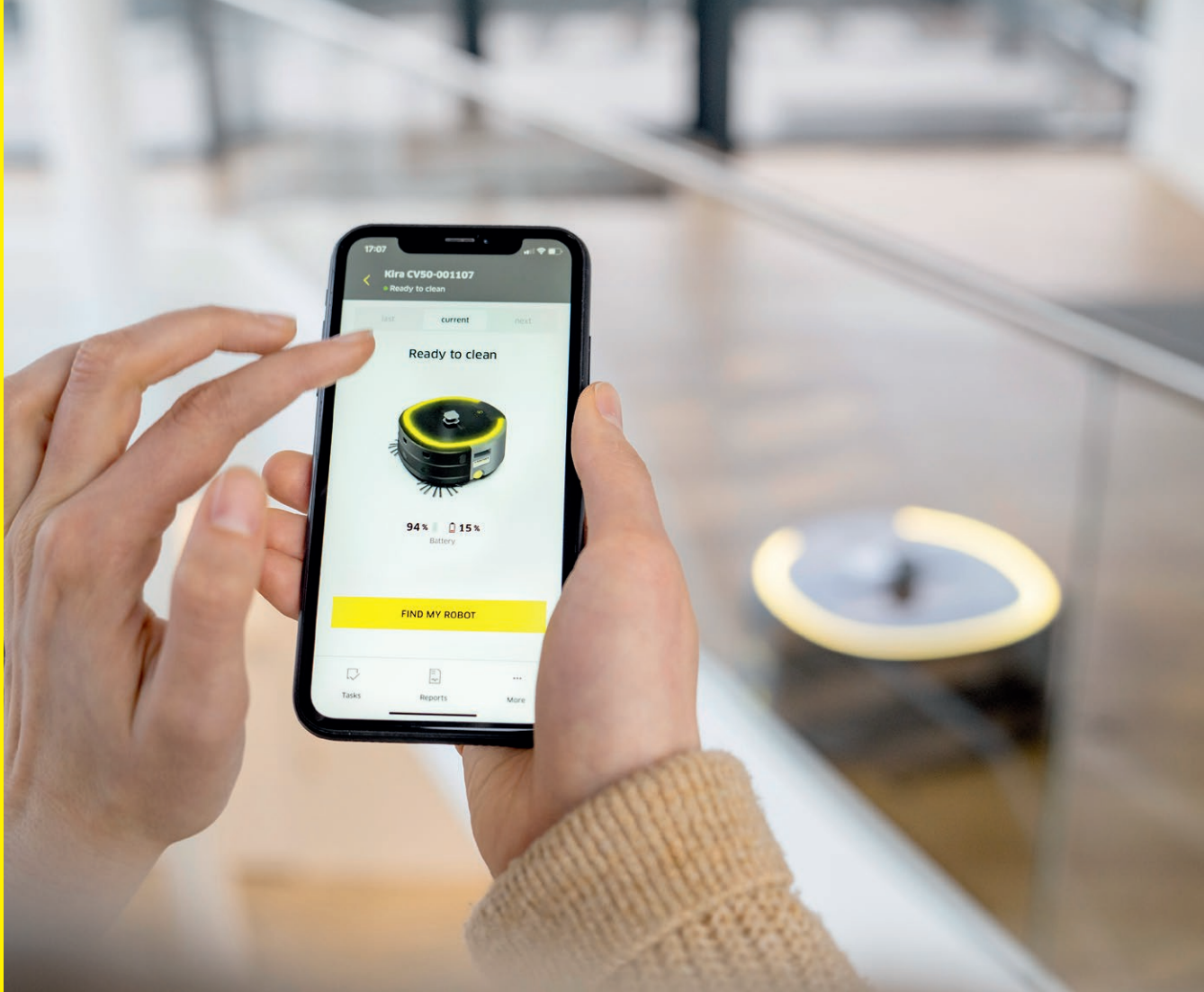
SIMPLY SMART: KIRA ROBOTS APP.

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 optimisation 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 customised 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.

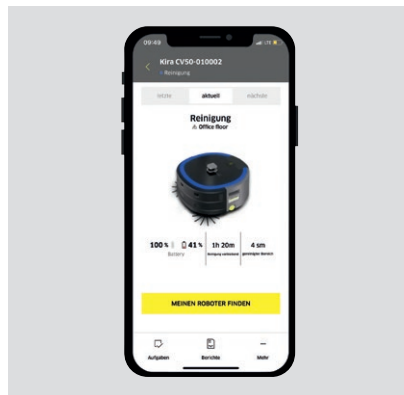
What's more: this set-up only needs to be carried out once for each environment – except where significant changes are made to the environment. Once saved in the app, it can be customised at any time and is always available – even offline, directly via the appliance display and also for use with other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



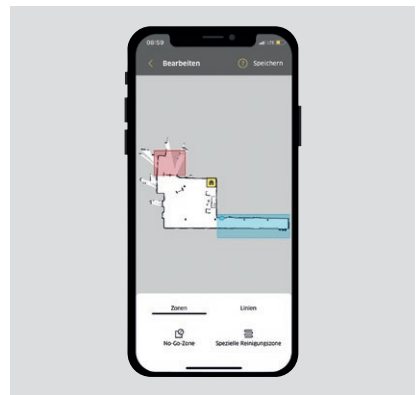
Fleet overview

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).





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.



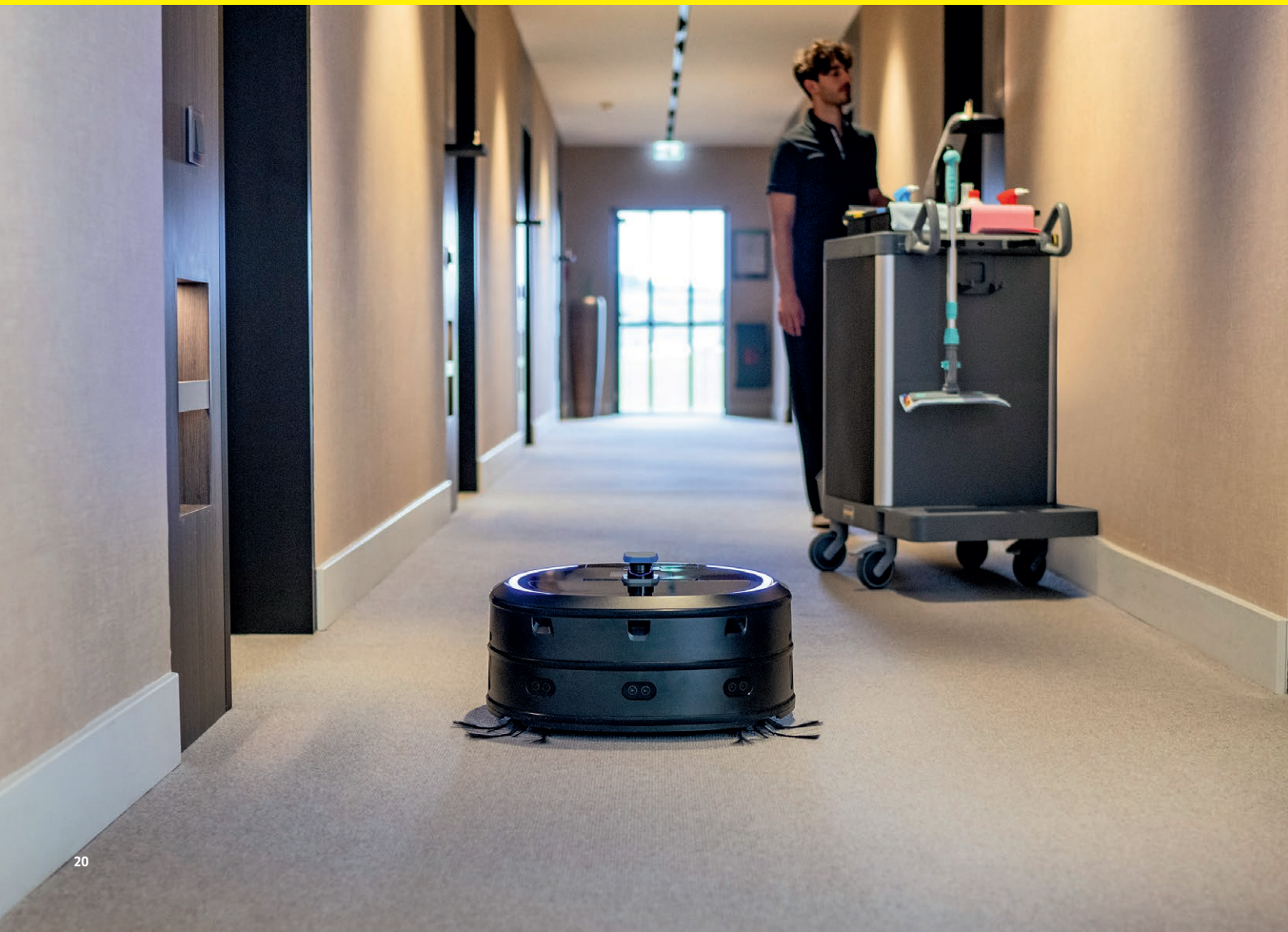
Sophisticated sensor technology. Every autonomous function of the KIRA CV 50 is based on a sophisticated sensor concept that ensures efficient navigation – and therefore a consistently high cleaning quality – while, at the same time, reliably avoiding collisions with people and furnishings that go beyond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

Among other things, the machine is equipped with LiDAR sensor technology, which keeps an eye on the surroundings over a range of 20 metres and therefore does not lose its way even in large, spacious environments. In addition, various optical and acoustic sensors, such as fall, wall tracking and collision sensors are also on board.

Versatile and safe. Whether in schools or libraries, in offices or hotels, in convention centres 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 manoeuvres. Furthermore, innovative, integrated LED light modules inform people about the behaviour and status of the machine, which is safety-certified for public access in accordance with IEC 63327.

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.



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	mm	350
Waste container volume	l	4.5
Battery type		Li-ion/Battery Power+ platform
Battery (x2)	V/Ah	36/7.5
Maximum battery runtime (with two 36 V / 7.5 Ah)	h	3.5
Maximum speed, autonomous	km/h	1.5
Maximum theoretical area performance	m ² /h	525
Length x width x height	mm	580 x 577 x 302
Weight without batteries	kg	15.5
Climbing ability, autonomous	%	6
Minimum clearance width, autonomous	mm	650
Minimum ground clearance, autonomous	mm	320
Wall distance, autonomous	mm	0
Wireless connection		Wireless network and LTE/4G

* Batteries not included.

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