KIRA CV 50

The KIRA CV 50 robotic vacuum cleaner takes the pressure off cleaning teams by taking over the time-consuming vacuuming, leaving the skilled workers to take care of more complex tasks at the same time.



DESIGN AWARD 2025

BATTERY NOT INCLUDED

Order no.	1.454-500.0

Technical data

EAN code		4054278988542
Battery platform		36 V battery platform
Voltage	V	36
Vacuum[1)]	kPa	19.3
Air flow	l/s	16
Sound pressure level	dB(A)	57
Theoretical area performance, autonomous	m²/h	525
Area performance	m²/h	525
Operating time in normal operation (two batteries)	min	140
Operating time in Eco!Mode (two batteries)	min	210
Working width, vacuuming	mm	350
Rated input power	W	230
Climbing ability	%	6
Container capacity	l	4.5
Autonomous speed	km/h	1.5
Drive through width	mm	650
Clearance height	mm	320
Number of batteries required	Piece(s)	2
Battery charging time with quick charger 80% / 100%	min	58 / 81
Voltage (power supply for battery charger)	V	100 - 240
Frequency (power supply for battery charger)	Hz	50 - 60
Software updates available until		2031-01-01
Weight without accessories	kg	15.4

Scope of supply

Versions: Batteries and charger not included

Side brush: 4 Piece(s)

Roller brush quantity: 1 Piece(s)

Start markings

EPA filter

Equipment

- autonomous cleaning
- Easy and intuitive set-up without the need for expert knowledge
- obstacle and crash detection
- High-performance sensors
- autonomous swerving upon meeting obstacles
- Safety certified for public areas
- creation of cleaning reports
- Schedule function
- Notifications on mobile devices
- Kärcher colour and operating concept
- Authorisation management
- operation using app

KIRA CV 50, 1.454-500.0, 2026-11-13

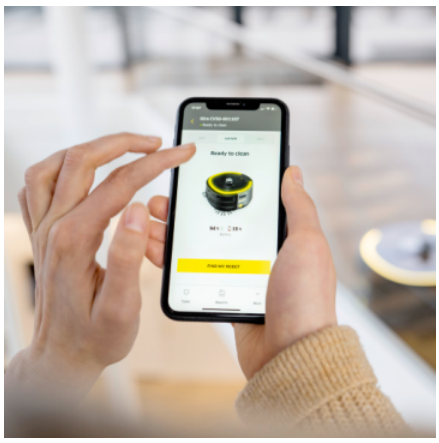
Weight (with accessories)	**kg**	15.4
Weight incl. packaging	**kg**	25.1
Dimensions (L × W × H)	**mm**	578 × 578 × 300





Compact design with very low ground clearance

- Low clearance height (32 cm) allows vacuum cleaning under furniture and tables.
- Also suitable for use in confined spaces thanks to its compact design.
- The robot also overcomes tight spaces with ease, allowing it to turn on the spot.



KIRA Robots app

- Full transparency with the KIRA Robots app with fleet management, live status, detailed cleaning reports and much more.
- Cleaning maps and schedules are easy to create and edit.
- Perfectly networked thanks to the integrated 4G/LTE mobile or wireless network connection.



36 V Kärcher Battery Power+ battery platform

- Exchangeable batteries enable uninterrupted cleaning with no need to wait during charging.
- Use not restricted by location, for example can be used on several floors.
- Kärcher recommends the use of two exchangeable batteries for a longer runtime. Operation is also possible with just one battery.

KIRA CV 50, 1.454-500.0, 2026-11-13

SUSTAINABILITY ASPECTS OF KIRA CV 50
1.454-500.0

Sustainability aspects of Beyond Cleaning		
Standby Mode		
eco!Mode (energy saving mode)		

KÄRCHER

EQUIPMENT FOR KIRA CV 50
1.454-500.0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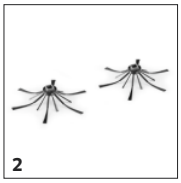
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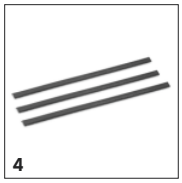
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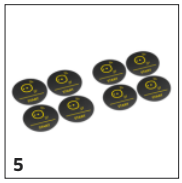
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		Order no.	Description	
VACUUMS				
Filters				
EPA filter	1	6.414-631.0	Washable EPA filter for BR 45/22 scrubber dryer and DS 6 spray extraction cleaner from Kärcher. Withholds tiny dust particles and allergens from the condensed moist air.	■
UPRIGHT BRUSH-TYPE VACUUM CLEANER ACCESSORY				
Accessories side broom KIRA CV50	2	2.889-428.0	Set of 2 side brushes for KIRA CV 50 robot vacuum cleaner.	■
Accessories roller brush KIRA CV50	3	2.889-429.0	Roller brush, universal, for KIRA CV 50 (350 mm).	■
Accessories rubber lip KIRA CV50	4	2.889-430.0	Rubber sweeping edge for the brush cover of KIRA CV 50.	■
Accessories Label KIRA CV50	5	2.889-431.0	Start markers for sticking to the wall for the KIRA CV 50 robot vacuum cleaner.	■
Roller brush full bristles KIRA CV 50	6	2.889-436.0	Specially developed for use on carpets: the roller brush has a working width of 350 mm and is tailored to the requirements of the KIRA CV 50.	☐
BATTERIES				
Battery Power+ 36/40	7	2.445-108.0	4 Ah capacity for extended battery runtime: The Battery Power+ 36 V lithium-ion battery features a shock-resistant plastic housing with IP55 protection and 4 LEDs for state of charge indication.	☐
Battery Power+ 36/80	8	2.445-110.0	8 Ah capacity for extended battery runtime: The Battery Power+ 36 V lithium-ion battery features a shock-resistant plastic housing with IP55 protection and 4 LEDs for state of charge indication.	☐
Battery Power+ 36/75	9	2.445-043.0	A capacity of 7.5 Ah guarantees long runtimes for the Battery Power+ 36 V lithium-ion battery. Very powerful, with Real Time Technology via LCD display and protection against overcurrent.	☐
Battery Power+ 36/60	10	2.042-022.0	Extremely powerful Battery Power+ 36 V lithium-ion battery with a capacity of 6.0 Ah for a long runtime. With innovative Real Time Technology via LCD display and voltage monitoring.	☐
FILTER T/ NT				
HEPA filter for dust class H				
Accessories filter HEPA H13	11	2.889-425.0		☐

■ Included in delivery. ☐ Available accessories.