

KIRA BD 200

The KIRA BD 200 cleans large areas efficiently. With disc brushes ideal for smooth, delicate flooring – intelligent, efficient and powerful in every application.



Order no.

1.533-014.0

- Fully autonomous scrubber dryer with a maximum area performance of 4860 m²/h
- 900 mm working width with disc brushes and dirt deflector
- Recovery lip, dockable, compatible with roller door control and VDA 5050

Technical data

EAN code		4066529031754
Drive type		Battery
Rated input power	W	2250
Traction motor power	W	1300
Turbine capacity	W	552
Motor rating of brush motor	W	1200
Working width, brushes	mm	900
Brush contact pressure	g/cm ²	29
Brush speed	rpm	177
Working width, vacuuming	mm	1100
Fresh/dirty water tank	l	200 / 200
Detergent tank	l	10
Theoretical area performance, autonomous	m ² /h	max. 4860
Area performance per tank filling	m ²	7143
Number of current phases	Ph	1
Voltage	V	100 - 240
Frequency	Hz	50 - 60
Number of batteries		4
Battery type		Li-ion
Battery voltage/capacity	V / Ah	24 / 360
Battery run time	h	approx. 4.5
Battery charging time	h	approx. 5.3
Autonomous speed	km/h	max. 5.4

Scope of supply

- Battery and battery charger
- Disc brush: 2 Piece(s)
- Flashing beacon

Equipment

- Battery
- Type of suction lips: Linatex®
- DOSE
- with speed-dependent water dosing
- Large, high-definition touch display
- Docking-enabled
- Roller shutter control prepared
- autonomous cleaning
- with manual drive mode
- Easy and intuitive set-up without the need for expert knowledge
- High-performance sensors
- obstacle and crash detection
- autonomous swerving upon meeting obstacles
- Safety certified for public areas
- creation of cleaning reports
- Notifications on mobile devices
- Schedule function
- Auto Fill

Sound pressure level	dB(A)	64.5
Autonomous aisle turning width	m	2.8
Climbing ability	%	max. 12
Autonomous clearance width	mm	1350
Software updates available until		2033-01-01
Weight without accessories	kg	635
Weight (with accessories)	kg	635
Weight incl. packaging	kg	637.3
Dimensions (L × W × H)	mm	1944 × 1138 × 1471

Coloured lights to display the robot's behaviour and operating status
Kärcher colour and operating concept
electrical and mechanical float switch
with teach-in mode (Teach and Repeat)
Brush type: Disc brush
Variable contact pressure
robust aluminium die-cast suction bar
Underpressure sensor for detecting blockages
Detection of empty detergent tank
operation using app
Communication interface: VDA 5050
Detergent dosing unit

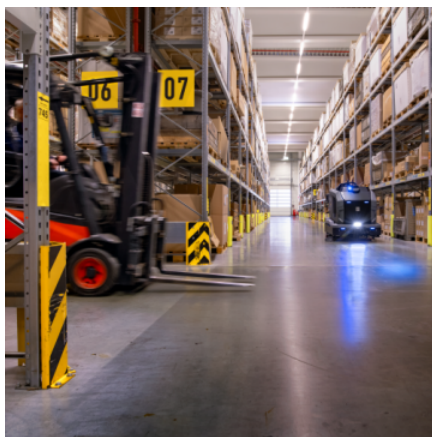
This machine requires instruction.





Docking station (optional)

- Enables fully autonomous operation.
- Resources can be autonomously topped up by a robot (refilling the fresh water, draining the dirty water, rinsing the tank, charging the battery).
- Optional accessory, the robot can also be operated without the docking station.



Infrastructure connection

- The KIRA BD 200 can be integrated seamlessly into existing infrastructures.
- Roller shutter and VDA 5050 connections enable efficient and flexible collaboration with other systems and machines for a high degree of automation and process optimisation.
- Optional accessory, the robot can also be operated without the docking station.

Proven disc brush engineering

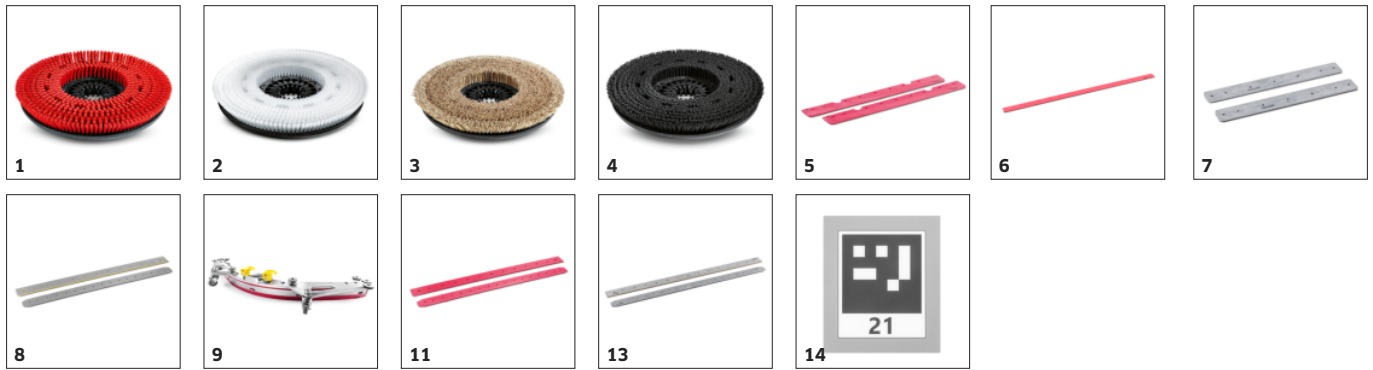
- Extra powerful yet gentle cleaning on smooth and delicate surfaces.
- Low brush wear.
- Wide selection of different brushes and pads to choose from, including diamond pads that can be used to achieve/maintain a glossy finish.

SUSTAINABILITY ASPECTS OF KIRA BD 200
1.533-014.0

Sustainability aspects of Beyond Cleaning		
Standby Mode		
DOSE (Detergent dosage system)		

ACCESSORIES FOR KIRA BD 200

1.533-014.0

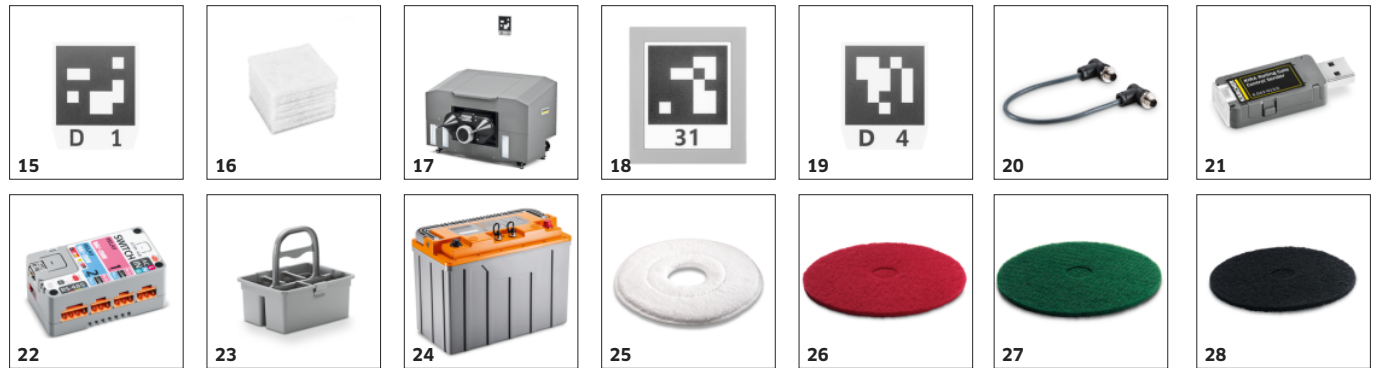


		Order no.	Description	
DISC BRUSHES				
Disc brush, medium, red, 450 mm	1	4.905-003.0	Red standard disc brush for regular maintenance cleaning.	■
Disc brush, very soft, White, 450 mm	2	4.905-005.0	White, soft disc brush for the gentle cleaning of sensitive floor coverings.	□
Disc brush, Soft, natural, 450 mm	3	4.905-004.0	Natural-coloured, soft disc brush for cleaning and polishing textured floor coverings.	□
Disc brush, hard, black, 450 mm	4	4.905-006.0	Black, very abrasive disc brush for the deep cleaning of hard-wearing floor coverings with very sticky dirt.	□
WIPING FLAPS				
Linard side squeegee blades for disc head	5	4.037-196.0	Squeegee blades made of Linatex® for attaching to the side of the brush head. Suitable for KIRA BR 200.	■
Linatex® recovery squeegee blade	6	4.037-197.0	Linatex® squeegee for the recovery scraper bars. The recovery squeegee blade retains the water under the brush head when reversing.	■
Oil-resistant side squeegee blades for disc head	7	4.037-195.0	Set of low-wear, oil-resistant squeegee blades made from PU. For optimum cleaning results when performing turning manoeuvres and for a secure hold in the working area of the brush head. Suitable for KIRA BD 200.	□
Recovery squeegee blade, oil-resistant	8	4.037-198.0	Oil-resistant squeegee made from PU for the recovery scraper bars. The recovery squeegee blade retains the water under the brush head when reversing.	□
SQUEEGEES AND SQUEEGEE BLADES				
Squeegees				
Squeegee, 1,100 mm, parabolic, 1100 mm, parabolic	9	4.046-031.0	For the best suction and drying results: robust, parabolic aluminium squeegee with 1,100 mm suction width and quick coupling. Allows tool-free change of suction lips.	■
Squeegee blades				
Deflector blades for coarse dirt, Linatex®	10	4.043-229.0		■
Suction lip set, Linatex®, 1100 mm	11	4.046-116.0		■
Deflector blades for coarse dirt, oil-proof	12	4.043-235.0		□
Suction lip set, oil-proof, 1100 mm	13	4.046-117.0		□
OTHER ACCESSORIES SCRUBBER DRIERS				
Miscellaneous				
Standard set position codes	14	4.042-130.0	Set with position codes to define extra starting points for cleaning robot and to increase efficiency by making autonomous transport routes shorter.	■

■ Included in the scope of supply. □ Available accessories.

ACCESSORIES FOR KIRA BD 200

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		Order no.	Description	
OTHER ACCESSORIES SCRUBBER DRIERS				
Miscellaneous				
Standard set position codes docking station	15	4.043-185.0	Standard set of position codes for docking station. Enables the operation of up to three robot docking stations in the same environment.	■
Dust filter set	16	4.046-149.0	Filter fleece for the KIRA B 200 e-build chamber. Protects the e-build chamber against dust. 6 pieces per pack.	■
KIRA B 200 docking station	17	2.042-033.0	The docking station for fully autonomous applications of cleaning robots reduces manual interventions to a minimum and extends the range and area performance of robots.	□
Expansion set position codes	18	4.042-128.0	The position codes extension set can be used to define additional starting points in the vicinity of the robot. This reduces autonomous journeys and improves the system's overall performance.	□
Expansion set position codes docking station	19	4.043-190.0	Set with position codes for flexible operation of cleaning robots with more than four docking stations in the same area. For shorter transport routes and more efficient cleaning.	□
Cable attachment kit for battery 5	20	4.046-114.0	Data cable attachment kit for the optional 5th battery of the KIRA B 200. The remaining cables are already installed in the machine. Note: the battery must be ordered separately.	□
KIRA roller shutter control transmitter	21	6.043-057.0	Roller shutter control attachment kit: enables the KIRA B 50 and KIRA B 200 cleaning robots to control roller shutters automatically.	□
Receiver for KIRA roller shutter control	22	6.043-058.0		□
Home Base accessories				
Home Base Box Kit	23	4.035-406.0	The Box kit provides enough space for three cleaning agent bottles along with cloths, scrapers, spare rubbish bags, gloves, etc.	□
TRACTION BATTERIES AND CHARGERS				
Batteries				
Drive battery LIB 25,6V / 80Ah, 25,6 V, 80 Ah, Li-ion	24	6.654-454.0	Lithium-ion battery (25.6 V/80 Ah) for scrubber dryers from Kärcher. The traction battery offers up to 4-fold cycle stability compared to lead-acid batteries.	■
DISC PADS / PAD DRIVE BOARDS				
Microfibre pad				
Microfibre pad, White, 457 mm, 5 Piece(s)	25	6.369-960.0	Microfibre disc pad for the reliable and gentle removal of grey haze. Ideal for fine stoneware tiles.	□
Pads				
Pad, medium-soft, red, 457 mm, 5 Piece(s)	26	6.369-024.0	Red, standard disc pad for regular maintenance cleaning.	□
Pad, medium-hard, green, 457 mm, 5 Piece(s)	27	6.369-023.0	Green, abrasive roller pad for deep cleaning, as well as the removal of sticky dirt.	□
Pad, hard, black, 457 mm, 5 Piece(s)	28	6.369-022.0	Black, very abrasive disc pad for the deep cleaning of hard-wearing floor coverings with very sticky dirt.	□

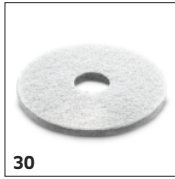
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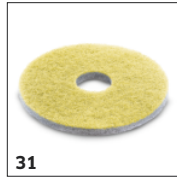
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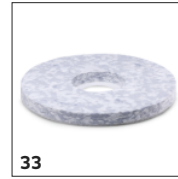
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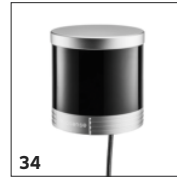
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		Order no.	Description	
DISC PADS / PAD DRIVE BOARDS				
Diamond pad				
Diamond pad, fine, green, 457 mm, 2 Piece(s)	29	6.944-028.0	Ideal for maintenance cleaning: The green diamond pad cleans and polishes in a single step. It restores shine to matt hard floors and can also be used without chemicals.	☐
Diamond pad, coarse, White, 457 mm, 5 Piece(s)	30	6.371-258.0	White, coarse diamond disc pad for hard floor coverings. Removes minor scratches and creates a clean, even matt base for further treatment with yellow diamond disc pad.	☐
Diamond pad, medium, Yellow, 457 mm, 5 Piece(s)	31	6.371-259.0	Yellow, diamond disc pad for treating and maintaining hard floor coverings. For a silky matt surface which can then be polished with the green diamond disc pad.	☐
Diamond pad, fine, green, 457 mm, 5 Piece(s)	32	6.371-239.0	Green, fine diamond disc pad for polishing polishable floor coverings. Creates high-gloss surfaces and can also be used for crystallisation.	☐
Melamine pads				
Melamine pad, Grey/white, 457 mm, 2 Piece(s)	33	6.371-024.0	White melamine disc pad for intermediate and deep cleaning of microporous surfaces, as well as fine stone and other hard floor coverings. Can also be used for removing grey haze.	☐
KITS				
Lighting / revolving signal light mounting kit				
Long Range Multi-Layer Lidar attachment kit	34	4.046-079.0	Long Range LiDAR for extra-large indoor open spaces with very few reference points - e.g. empty exhibition halls. Detects distances of over 40 m in any direction without obstacles.	☐
Blue spotlight front attachment kit	35	4.046-081.0	Blue spotlight front attachment kit for the KIRA B 200: projects a blue spotlight in front of the machine. Increases safety when used in the vicinity of people and other machines.	☐
Blue spotlight rear attachment kit	36	4.046-135.0	Blue spotlight rear attachment kit for the KIRA B 200: projects a blue spotlight behind the machine. Increases safety when used in the vicinity of people and other machines.	☐

☐ Available accessories.