# 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.



Made in Germany

**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/cm² | 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 | m²/h | max. 4860 |
| Cleaning performance per tank filling (approx.) | m² | 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 |

| 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** |

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| | | |
|---|---|---|
| **Autonomous speed** | **km/h** | max. 5.4 |
| **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.**





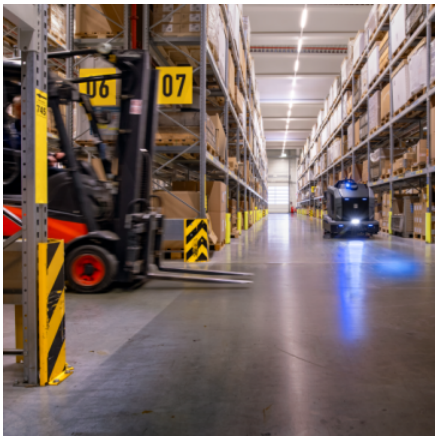
### Docking station (optional)

- 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.



### Obstacle guide

- Reliably detects unknown obstacles.
- Independently plans alternative routes.
- Autonomous driving manoeuvres on demand.



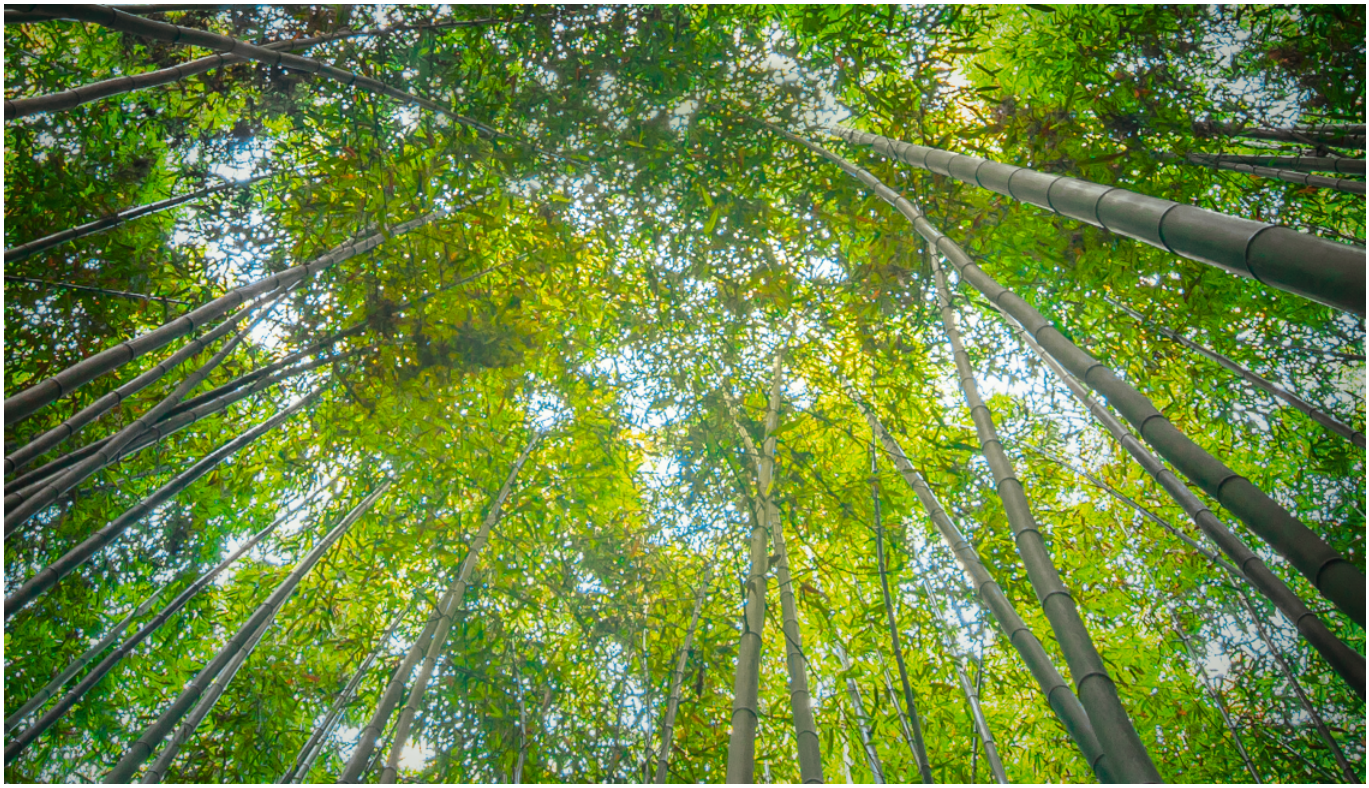

### Infrastructure connection

- 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.

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# SUSTAINABILITY INFORMATION FROM KIRA BD 200
# 1.533-014.0



| Sustainability features | | |
|---|---|---|
| Standby Mode | | |
| DOSE (detergent dosage system) | | |

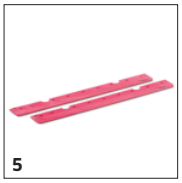
# EQUIPMENT FOR KIRA BD 200
# 1.533-014.0

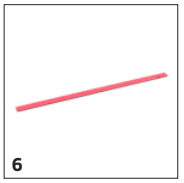

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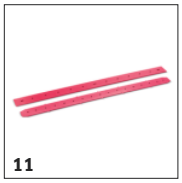

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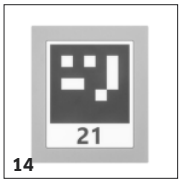

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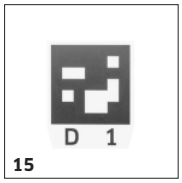
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| | | Order no. | Description | |
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| **DISC BRUSHES FOR BD** | | | | |
| Disc brush, medium, red, 450 mm | 1 | 4.905-003.0 | Red standard disc brush for regular maintenance cleaning. | ■ |
| Disc 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 LIPS** | | | | |
| Side strips with additional weight Zubeh | 5 | 4.037-196.0 | Squeegee blades made of Linatex® for attaching to the side of the brush head. Suitable for KIRA BR 200. | ■ |
| Side strips oil resistant Recovery Linat | 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. | ■ |
| Side strips accessories BD-Kopf PU | 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. | ☐ |
| Side strips oil resistant Recovery Linat | 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. | ☐ |
| **SUCTION BARS AND SQUEEGEES** | | | | |
| **Suction bar, complete** | | | | |
| Suction bar parabolic worked, 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. | ■ |
| **Squeegees for suction bars** | | | | |
| Rubber lip pre-sweep unit Linatex, Linatex® | 10 | 4.043-229.0 | | ■ |
| Suction lip set Linatex 1100mm, Linatex®, 1100 mm | 11 | 4.046-116.0 | | ■ |
| Rubber lip pre-sweep unit PU, oil-proof | 12 | 4.043-235.0 | | ☐ |
| Suction lip set PU 1100mm, oil-proof, 1100 mm | 13 | 4.046-117.0 | | ☐ |
| **OTHER ACCESSORIES FOR SCRUBBER DRYERS** | | | | |
| **Miscellaneous** | | | | |
| Base package Landmarke 21-40 | 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 delivery. ☐ Available accessories.

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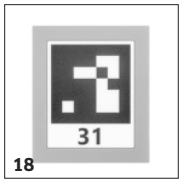
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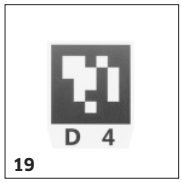
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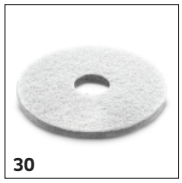

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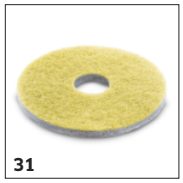
| | | Order no. | Description | |
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| **OTHER ACCESSORIES FOR SCRUBBER DRYERS** | | | | |
| **Miscellaneous** | | | | |
| Foil docking station Aruco Code D1- D3 | 15 | 4.043-185.0 | Standard set of position codes for docking station. Enables the operation of up to three robot docking stations in the same environment. | ■ |
| Filter dust spare parts set 07F.15 | 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. | ■ |
| Docking station cpl. | 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. | ☐ |
| Tag set Aruco Code 31-40 | 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. | ☐ |
| Foil docking station Aruco Code D4- D20 | 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 Battery_5_CAN KIRA B200 | 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.<br>Note: the battery must be ordered separately. | ☐ |
| Transmitter roller shutter complete incl | 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 roller shutter cpl. | 22 | 6.043-058.0 | | ☐ |
| **Cleaning tool kit 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. | ☐ |

■ Included in delivery. ☐ Available accessories.

# EQUIPMENT FOR KIRA BD 200
# 1.533-014.0


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| | | Order no. | Description | |
|---|---|---|---|---|
| **DISC PADS / PAD DRIVE BOARDS** | | | | |
| **Diamond pads** | | | | |
| Diamond pad green set 2x Ø457 18", 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/RKL mounting kit** | | | | |
| Accessory kit Lidar Robosense | 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. | ☐ |
| Accessory kit front BlueSpot | 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. | ☐ |
| Accessory kit BlueSpot Rear | 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.