

KIRA B 50

Efficient, time-saving, simple, safe, flexible – and fully autonomous on request: the KIRA B 50 scrubber dryer robot for economical floor cleaning in medium to large areas.



Order no.

1.533-002.0

Technical data

EAN code		4054278512860
Drive type		Battery
Rated input power	W	1600
Traction motor power	W	560
Turbine capacity	W	630
Motor rating of brush motor	W	600
Working width, brushes	mm	550
Brush contact pressure	g/cm ²	80
Brush speed	rpm	1200
Working width, vacuuming	mm	750
Fresh/dirty water tank	l	55 / 55
Detergent tank	l	5
Sweeper drawer volume	l	2
Theoretical area performance, autonomous	m ² /h	max. 2365
Area performance per tank filling	m ²	approx. 1830
Voltage	V	24
Number of batteries		2
Battery type		Li-ion
Battery voltage/capacity	V / Ah	24 / 160
Battery run time	h	approx. 3.5
Battery charging time	h	max. 5.2
Autonomous speed	km/h	max. 4.3
Sound pressure level	dB(A)	69
Autonomous aisle turning width	m	1.5
Climbing ability	%	max. 6

Scope of supply

Battery and battery charger
Squeegee included
Roller brush: 2 Piece(s)
Side brush
Flashing beacon

Equipment

Type of suction lips: oil-proof
DOSE
with speed-dependent water dosing
Large, high-definition touch display
Docking-enabled
Roller shutter control prepared
autonomous cleaning
Automatic pre-sweeping
with manual drive mode
Ramp 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

Autonomous clearance width	m	min. 0.9
Software updates available until		2033-01-01
Unladen weight	kg	228
Weight without accessories	kg	225
Weight (with accessories)	kg	238.4
Weight incl. packaging	kg	249.4
Dimensions (L × W × H)	mm	1100 × 750 × 1200

Coloured lights to display the robot's behaviour and operating status

Kärcher colour and operating concept

electrical and mechanical float switch

Communication interface: VDA 5050

Detergent dosing unit

This machine requires instruction.



Easy operation

- Clearly organised, safe control of all device functions via the touch display.
- Step-by-step user guidance for easy, intuitive operation.
- Simple to set up and easy to use the robot without expert knowledge.

Robust and reliable navigation

- High-performance sensors with 360° detection of the environment and lateral monitoring.
- Safe avoidance of collisions and obstacle guide.
- Intelligent free travel manoeuvres in the event of blockages.

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.

SUSTAINABILITY INFORMATION FROM KIRA B 50

1.533-002.0



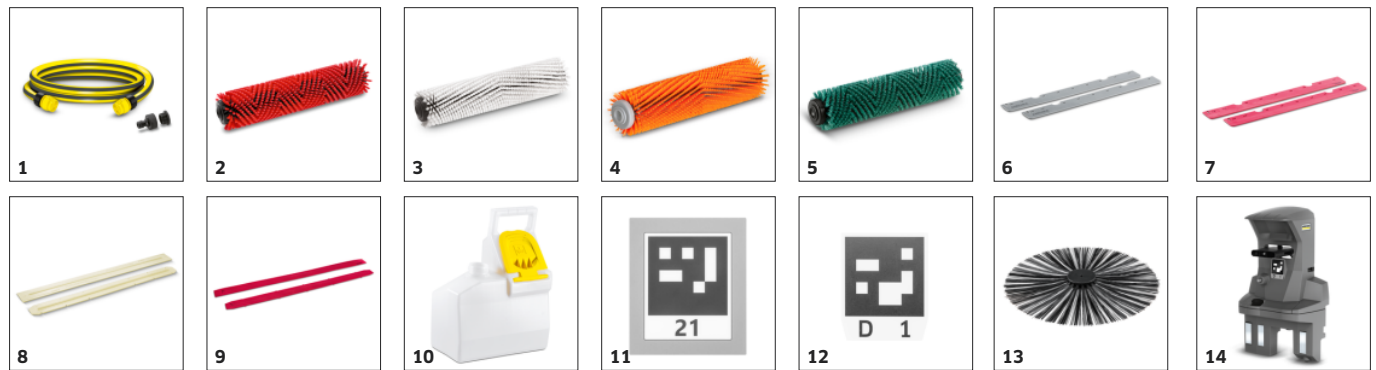
Sustainability features

Standby Mode

DOSE (Detergent dosage system)

ACCESSORIES FOR KIRA B 50

1.533-002.0



		Order no.	Description	
HOSES				
Connector set	1	2.645-122.0	Connection set: G3/4 brass tap adaptor with G1/2 reducer, 2 x universal hose connector and 1.5 m PrimoFlex® hose (5/8"). For connecting hose trolleys and hose reels to taps.	■
ROLLER BRUSHES				
Roller brush, medium, red, 550 mm	2	4.035-184.0	Red standard roller brush for maintenance cleaning.	■
Roller brush, Soft, White, 550 mm	3	4.762-409.0	White roller brush for cleaning sensitive floor coverings.	□
Roller brush, high / low, orange, 550 mm	4	4.762-410.0	Orange roller brush with high-low structure for particularly effective cleaning of textured floor coverings.	□
Roller brush, hard, green, 550 mm	5	4.762-411.0	Green, abrasive roller brush for deep cleaning and removal of sticky dirt.	□
WIPING FLAPS				
Lateral squeegee blades, oil-resistant	6	4.037-167.0	Set of low-wear, oil-proof squeegee blades made of Polyurethane. For optimum cleaning results with curve movements and reliable keeping of the cleaning water in the working area of the brush head.	■
Lateral squeegee blades, Linard	7	4.037-166.0	Set of tear-resistant squeegee blades made of Linard. They keep the cleaning water in the working area of the brush head and ensure optimum squeegee performance in turning manoeuvres.	□
SQUEEGEES AND SQUEEGEE BLADES				
Squeegee blades				
Squeegee blades for V-squeegee, oil-resistant, slotted, 850 mm	8	6.273-027.0	Squeegee blade kit includes front and rear squeegee blades, 850 mm. Slotted squeegee blades of hard-wearing, oil-resistant, transparent polyurethane. For sensitive floors.	■
Squeegee blades, Linatex®, 850 mm	9	4.043-196.0	Linatex® suction lip set, 850 mm in width. The tear-proof material adapts perfectly to profiled floor coverings, thus ensuring very good wiping and suction results.	□
OTHER ACCESSORIES SCRUBBER DRIERS				
Miscellaneous				
Detergent tank	10	4.042-050.0	Detergent tank with large filling opening from Kärcher. The accessory part acts as an extra tank for pre-filling – speeds up set-up times thanks to quick canister changes.	■
Standard set position codes	11	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.	■
Standard set position codes docking station	12	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.	■
Side broom	13	4.042-048.0	Spare side brush with black bristles for cleaning right to the edge.	■
KIRA B 50 docking station	14	2.042-000.0	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.	□

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

ACCESSORIES FOR KIRA B 50

1.533-002.0



		Order no.	Description	
OTHER ACCESSORIES SCRUBBER DRIERS				
Miscellaneous				
Expansion set position codes	15	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.	☐
Spotlight Blue attachment kit	16	4.042-129.0	The Spotlight Blue attachment kit increases the visibility and therefore the safety for applications in the immediate vicinity of people, other machines and vehicles.	☐
Expansion set position codes docking station	17	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.	☐
KIRA roller shutter control transmitter	18	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	19	6.043-058.0		☐
Filling hose	20	6.680-124.0	1,500-mm filling hose for easy device filling from a water tap. With universal tapered fitting for all standard taps.	☐
TRACTION BATTERIES AND CHARGERS				
Batteries				
Drive battery LIB 25,6V / 80Ah, 25,6 V, 80 Ah, Li-ion	21	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.	■
POWER CABLE				
Power cable with IEC plug EU	22	6.640-202.0	Power cable with IEC plug for Europe.	■
ROLLER PADS / ROLLER PAD SHAFTS				
Pad roller shafts				
Pad roller shaft, 550 mm	23	4.762-415.0	Pad roller shaft suitable for holding roller pads or microfibre rollers.	☐
Roller pads				
Roller pad on sleeve, medium, red, 530 mm	24	6.369-734.0	Red standard roller pad for the maintenance cleaning of non-textured floor coverings.	☐
Roller pad on sleeve, hard, green, 530 mm	25	6.369-733.0	Green, abrasive roller pad for deep cleaning, as well as the removal of sticky dirt on non-textured floor coverings.	☐
Microfibre shaft				
Microfibre roller, 550 mm	26	4.114-010.0	Ideal for fine stoneware tiles. Microfibre roller for the reliable and gentle removal of grey haze.	☐

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