



Husqvarna Automower® 520 EPOS™

Husqvarna Automower® 520 EPOS™ is a robotic mower designed for commercial fleet use and a sibling model to the well-established Automower® 550 EPOS. It features Husqvarna EPOS™ with virtual boundaries instead of physical wires, allowing you to define several work areas with different settings and set temporary stay-out zones. Thanks to the systematic mowing pattern, Automower® 520 EPOS™ can handle green areas of up to 5000 m². The mower also navigates easily in narrow passages and manages slopes up to 45% (24°) with perfect cutting results – even in rainy conditions. EPOS™ RS5 Reference Station required.



Warning lights

Warning lights with pulsating or solid light to create awareness during operation at night. Reduces the risk of accidents in public work environments.



Selectable mowing pattern

Improve the visual impression of the turf by changing the mowing pattern. With EPOS™ technology, the mower can run in parallel lines and create a variety of patterns, such as diamonds, triangles and checkerboard.

Husqvarna EPOS wire-free Technology

Virtual, wire-free operation through satellite based RTK-GNSS technology, enables an accuracy down to approximately 2cm. The absence of physical wires implies a new level of robustness and flexibility, permitting regular deep aeration and turf repair without jeopardizing the function of the robot installation.



Husqvarna Fleet Services™

Husqvarna Fleet Services™ gives you full control of the mower with the possibility to monitor, control and analyze your entire fleet of products from your smartphone, tablet or laptop. You can overview the status and exact location, command them to start/stop or group-command them to park at storm warnings or in case of thunder. Settings and cutting heights are adjusted easily. Receive alarms and track the mower's position in case of theft – from everywhere. Support required from Automower Connect during installation and when editing of EPOS boundary wire free installations.

FEATURES

- Virtual, wire-free operation through satellite based RTK-GNSS technology, enables an accuracy down to approximately 2cm. The absence of physical wires implies a new level of robustness and flexibility.
- Improve the visual impression of the turf by changing the mowing pattern. With EPOS™ technology, the mower can run in parallel lines and create a variety of patterns, such as diamonds, triangles and checkerboard.
- Warning lights with pulsating or solid light to create awareness during operation at night.
- Husqvarna Fleet Services™ gives you full control of the mower with the possibility to monitor, control and analyze your entire fleet of products from your smartphone, tablet or laptop.
- Interface adapted for professional remotely handling through Husqvarna Fleet Services. Controls on product; status LED indication and START / STOP functionality.
- The fully connected product provides an opportunity to individually customize each work area with a unique time schedule, cutting height and cutting pattern. Provides tailored care for a site with multiple scattered areas.
- When the need arises, create temporary stay-out zones in your robot installation. Practically useful if part of the surface area needs to be restricted for a temporary construction work, seeding or during events.
- Automatically calculates the most efficient route to and from the charging station's docking point.
- Designate and mark a machine maintenance parking spot on the map. On command, the product parks there automatically while waiting for service, cleaning, loading or storage.
- Seize the opportunity to operate the product using a remote control via the appDrive feature on your smartphone. An excellent assistance when the product needs to be moved between workspaces, to the service facility, or during installation.
- Electric cutting height adjustment makes it convenient to set the desired height via the Husqvarna Automower® Connect app.
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- The cutting discs on the commercial models, Automower 500-series and CEORA, are equipped with 5 Enhance HSS blades, which gives a higher cutting performance.
- Equipped with sharp razor-like blades mounted on a robust cutting disc system for best cutting performance and low energy consumption.
- Large coarse-tread wheels provide excellent traction on slopes up to 45%.
- Automatically detects and notifies if imbalance in the cutting system occur to ensure trouble-free operation.
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- Enables flexible placement of the charging station in the garden.
- FOTA – a technology that enables the operators to perform upgrades of the firmware, via the Fleet Services app.
- Equipped with sharp razor-like blades mounted on a robust cutting disc system for best cutting performance and low energy consumption.
- Adjusts the working time to the lawn's growth rate, which decreases wear on lawn and mower.
- Equipped with GPS based geofence including flash notifications to your devices.
- Equipped with several safety sensors, including an automatic and immediate shutdown of the cutting function if the unit tips over or is lifted from the ground. If Automower® encounters any obstacles, it stops or changes direction, further ensuring its mowing mission.
- Automatically detects and notifies if imbalance in the cutting system occur to ensure trouble-free operation.
- Rubber-made front bumper makes the mower more resistant to collisions with trees, shrubs and other objects.
- Designed to operate 24/7 throughout the grass growing season, with normal maintenance and cleaning. The unique cutting system, with free-hanging razor blades on a cutting disc, ensures the cutting result even in rainy conditions.
- Equipped with GPS based geofence including flash notifications to your devices.
- Mower concept with the highest level of reliability, quality and cutting performance.
- Thanks to its unique cutting system, Automower® works extremely discreet and quiet and just when you want.
- Equipped with high-sounding alarm and PIN code lock to minimise the risk of theft.
- The mower automatically finds its charging station
- Easily programmable weekly timer function.
- If Automower® is lifted off the ground or tips over, the cutting automatically shuts off.
- Designed to function properly and unattended regardless of the weather conditions.

Technical Specifications

BATTERY	
Battery capacity	5.0 Ah
Battery pack weight	0.7 kg
Battery type	Li-Ion
Battery voltage	18 V
Charging current	2.2 A
Charging system	Automatic
Power consumption during cutting	30 W
Typical charging time	65 min
Typical mow time on one charge	75 min
Voltage	18 V
CAPACITY	
Area capacity per hour without charging	175 m ²
Area capacity per hour without charging	0.04 acre

Technical Specifications	
Maximum slope performance at boundary	15 %
Maximum slope performance inside installation	45 %
Maximum slope performance inside installation	24 °
Power source	Battery
Area capacity	5000 m ²
CERTIFICATIONS	
CLG Product (Calc)	Yes
Firmware Update	FOTA
DIMENSIONS	
Article gross weight	27500 g
Article net weight	21810 g
Cutting width	24 cm
Weight (complete product w/o side packed articles)	13.8 kg
ENGINE	
Blade motor type	Brushless DC motor (BLDC)
Drive motor type	Brushless DC motor (BLDC)
Power/fuel type	Battery
EQUIPMENT	
Alarm	High
App controlled	Husqvarna Fleet Services
Colour	Granite grey
Connectivity	Bluetooth®, Cellular
Cutting system	5 pivoting razor blades
Display	None
Extra blades	6 pcs
Follow boundary	No
Follow guide	Virtual transport path
Handle type	Integrated
Headlights	Yes
Home signal	Yes
Installation lock	Yes
Lift sensor	Yes
Navigation system	Irregular, Systematic
PIN code	Yes
Search system	EPOS guidance
Schedule	Yes
Tilt sensor	Yes
Time lock	Yes
User Interface	Professional User Interface/App
Wheel threads	Medium
MATERIALS	
Body	ASA plastic
Master pack: Paper material	0.11 g
Metal total	0 g
Paper material total	5.26 g
HDPE (02) total	0 g
PET (01) total	0 g
Plastic foil total	0.22 g
Plastic rigid total	0 g
Plastic total	0.22 g
PS/EPS/HIPS (06) total	0 g
PACKAGING	
Packaging height	380 mm
Packaging length	930 mm
Packaging volume	0.212 dm ³
Packaging width	600 mm
Quantity in Master pack	1
SOUND AND NOISE	
Sound level Measured	62 dB(A)