

SW3000

# Ride on sweeper



**NILFISK**



# Agenda

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Primary application and use

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Key features and benefits

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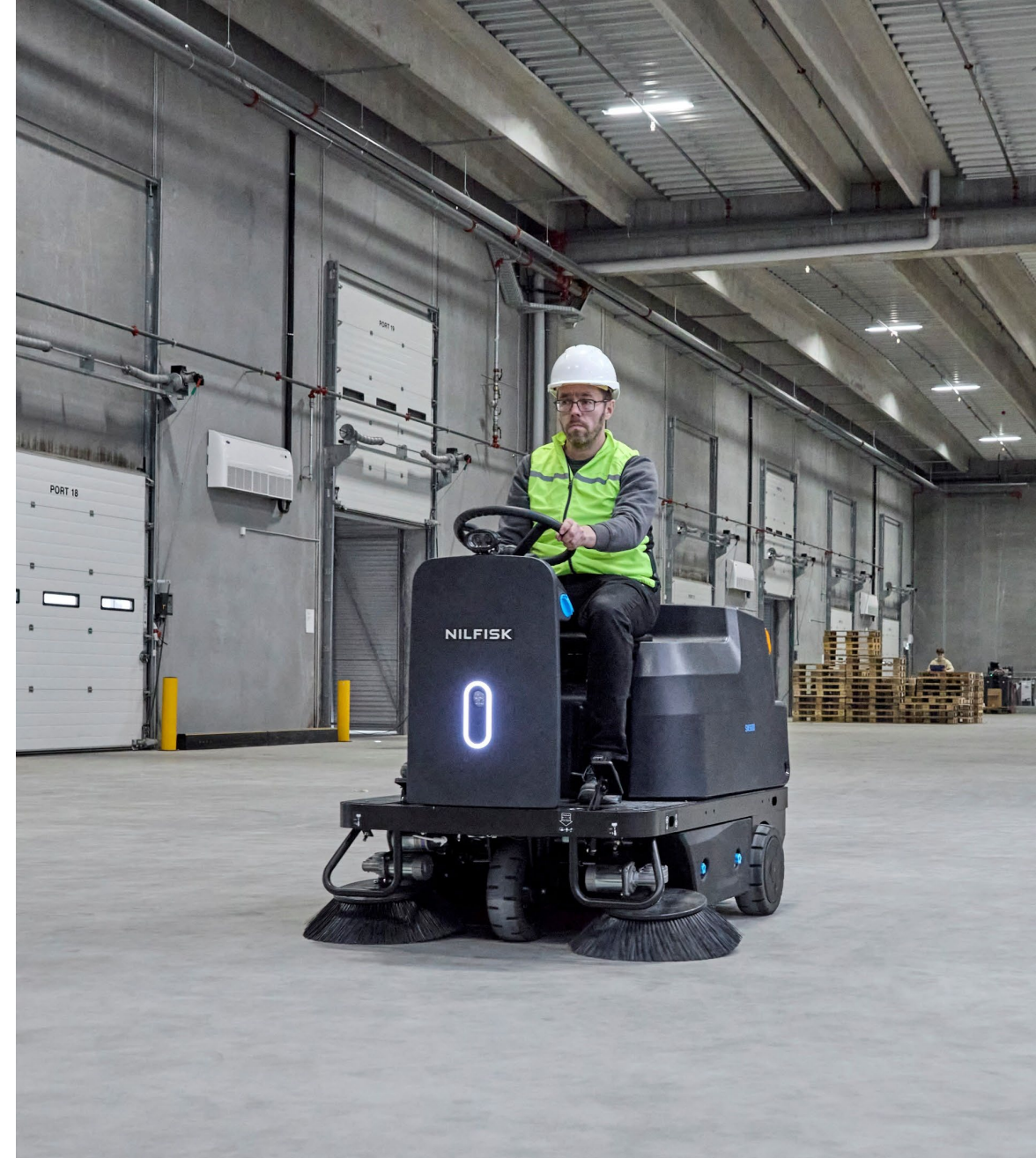
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# Recycled plastic

We mention the PCR (Post-Consumer Recycled plastic) aspect in the brochure, the video, the product page and in some SoMe

## PCR. Short for a more responsible alternative

There are two sources of recycled plastic. Post-consumer plastic and post-industrial plastic - PCR and PIR. PCR is made of plastic waste like bottles, packaging, household containers, etc. PIR is made of plastic waste from manufacturing processes like rework, regrind, and scraps. In short, PCR is a more responsible type of recycled plastic. Reducing the overall plastic waste has a higher environmental impact. **The new Nilfisk SW3000 is made of 25% PCR plastic.**



# 1

Primary application and use



# Primary application & use

SW3000

Nilfisk is introducing a Ride on sweeper with manual dump – SW3000:



135 cm cleaning path  
dual broom



50/50L  
dual hoppers



70 cm  
main broom



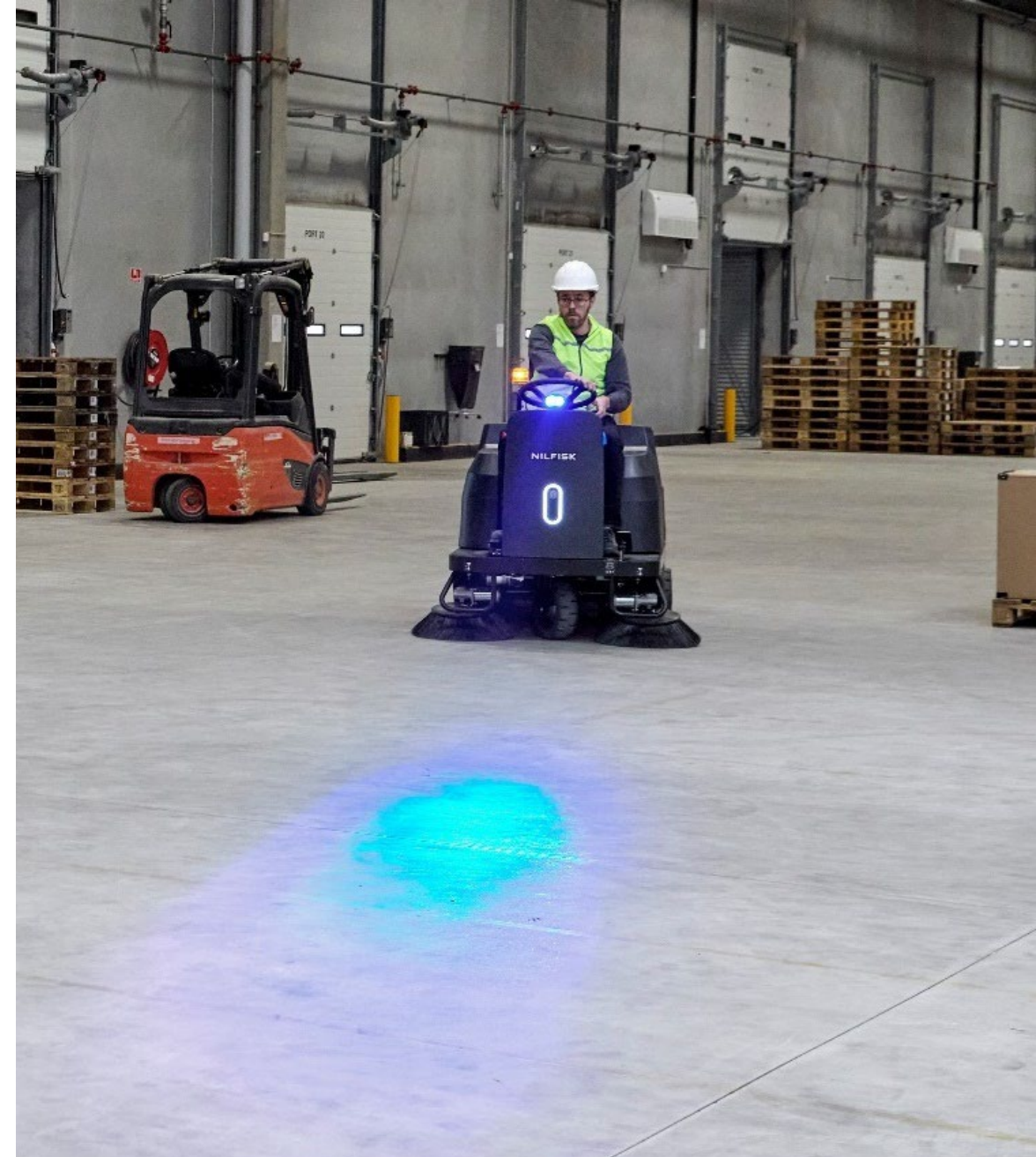
Battery versions for  
lead acid or Li-ion

## Main customer segments:

- Primary: CC, Retail, Logistic centers, Light Industry,
- Secondary: ABCA, Education

## Main Jobs to be done/Applications:

- Cleaning of facilities around 2000 – 15000 sqm
- Daily cleaning up to 4 hours a day
- Logistic centers, warehouses, production areas, public areas,...
- Various hard floors: asphalt, concrete, stone, plastic, epoxy, etc...
- Type of debris: sand, stones, pallet spill, leaves and other loose debris, etc...



# 2

Key features and benefits

# Key features & benefits

Power management for increased run time

## Lead acid battery version

Can handle most common batteries on the market including Wet, AGM, Gel, TPPL

- Onboard or external charger can be used
- Charging and power connections in the rear of the machine
- For wet batteries, add the wet battery tray to avoid acid leakage
- Running time up to max 5 hours (depending on battery size)
- Charging 10-12 hours after daily use
- No opportunity charging
- 500-700 cycles
- Limited warranty

## Li-ion battery version

Operated with ACE batteries with 5 years warranty or 1500 full cycles whatever comes first

- Onboard charger
- 3 x 50Ah 25,6V ACE Li-ion batteries
- Running time up to 4 hours
- Opportunity charging means, charge when you can
- Charging from 50% to 90% 2,5h  
from 0 to 100% 6,5h
- 1500+ cycles
- Warranty 5 years



*Running time calculator in the MDF file*

# Key features & benefits

## SW3000 features

### Main features:

1. Pin code lock, (no key needed or lost)
2. Plastic containers 2 x 50L with handle and transportation wheels, easy to empty
3. DustGuard™ water mist for dust control of side brooms as standard
4. Side broom speed adjustment, prevents light debris to be pushed to far or create more dust than needed
5. Main broom adjustment from operator, easy adjustment of main broom pressure if needed, + pressure for heavy, - for light small debris



1 Pin code access



2 Dual plastic containers



3 DustGuard™



4 Side broom speed adjustment



5 Main broom adjustment



# Key features & benefits

## SW3000



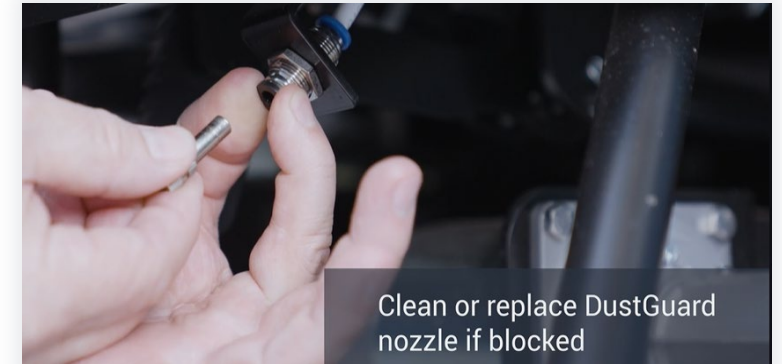
### Intuitive design & simple operations

- Intuitive keyless **control panel** with pin code operation, one-button start, and all main cleaning functions controlled from operator's position
- **Information display** for ease of use, gives a clear communication to the operator on main functions and information status of the machine
- **Adjustable seat** to fit different operators' height



### Productive and efficient

- **Filter cleaning** the electric filter shaker can be set to manual or automatic where the operator can set the time for when the filter cleaning should be activated
- **Adjustable main broom** can be adjusted by the operator during operation for optimal cleaning performance
- **Front flap** foot operated flap for collecting larger debris, that could be pushed in front of the machine, keeping the dust pick up around the main broom optimised



### Easy maintenance

- No tools for daily maintenance
- Water level indicator for the DustGuard™
- Water filter for the DustGuard™
- Quick fit nozzles for the DustGuard™
- Dual light plastic containers, easy to empty
- One knob removal for access to main broom
- External rear charging port

# Key features & benefits

## SW3000 accessory options

### Main features:

1. FOB key (keyless access)
2. Blue light, gives a blue spot on the floor 4-6 m in front for safety, machine can be spotted round corners
3. Overhead guard, FOPS approved for high storage warehouse
4. Armrest and seat belts kits
5. H13 HEPA filter for dust sensitive areas, should only be used in very light dusty areas, does not mean the machine is HEPA approved

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### Options:



1 FOB key



2 Blue light



3 Overhead guard



4 Armrests and seat belt



5 H13 filter for dust sensitive areas

# Key features & benefits

Key features ROS1300 VS SW3000

Specification	ROS1300	SW3000	SW3000 vs. ROS1300
Start system	Key	Pin code or FOB	✓✓
Hopper	130L steel	Dual 50L plastic	✓
LCD information display	Yes basic	Yes standard	✓
Blue light	Yes	Yes	=
Working light	Yes	Yes	=
Main broom adjustment from operator	No	Yes	✓
Water tank	18L	18L	=
On board charger	Yes	Yes	=
Li-ion battery version	No	Yes	✓✓



# Key features & benefits

Key features SR1101 / Terra 4300 VS SW3000

Specification	SR1101 / Terra 430	SW3000	SR1101 vs. SW3000
Start system	Key	Pin code or FOB	✓✓
Hopper	70L steel	Dual 50L plastic	✓
LCD information display	No	Yes advance	✓
Blue light	No	Yes	✓✓
Working light	No	Yes	✓
Main broom adjustment from operator	No	Yes	✓
On board charger	Yes	Yes	=
Li-ion battery version	No	Yes	✓✓
Colour touch points	No	Yes	✓
DustGuard™	No	Yes	✓✓
One start button	No	Yes	✓
Side broom speed control	No	Yes	✓
USB charging port	No	Yes	✓



**Turn on** the machine by pressing the main

Enter pin code to **activate** the machine



# SW3000

Design concept / UI

Icon for **OneTouch™**  
**Cleaning** is flashing,  
press it to start working  
and Icon moves to fixed  
light. All functions on.





# 3

## Product summary

# SW3000

## Overview of the product



# SW3000

Design concept / UI

The **left** side is about **cleaning**. All cleaning functions are grouped and placed next to the water fill point.





# SW3000

Design concept / UI

The **right** side is about **driving**. The emergency stop sits to the side of the driving controls.



# SW3000

Design concept

- **USB port** with phone pocket
- Main **broom adjustment**
- **Water level indicator** for dust guard, misting of side brooms





# SW3000

Design concept

- Optional **Blue safety light**, creates a blue spot in the floor, 6m/20ft in front of the machine,
- On / off by long press the light button
- Working light in the front, on / off by the light button
- Indications light, gives a colour status of the machine





# SW3000

Design concept

Charging port



# SW3000

Design concept

Dual plastic **hoppers** to  
empty in an easier way  
2 x 50L





# SW3000

Design concept

FOPS approved  
**overhead guard**





# SW3000 front light

Indications lights

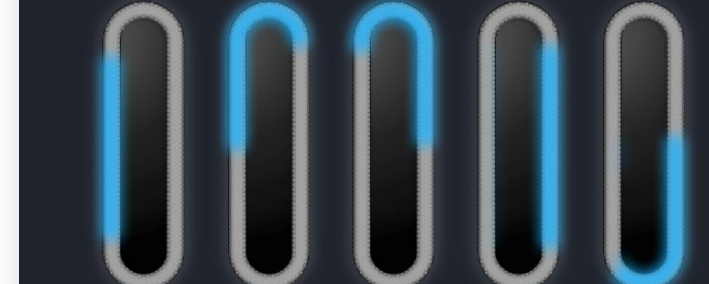
General use



Warning



FOB pairing



Charging



Error



Machine parked with parking brake



# 4

## Accessories

# Accessories included

Default accessories

			EU & UK	EU & UK	US	China
Stock code	Description	Units	SW3000 EU/UK sweeper	SW3000 LI-ION EU/UK sweeper	SW3000 LI-ION US sweeper	SW3000 CN sweeper
			50000740	50000742	50000758	50000743
55940587	Broom side kit 300x500 PPL 0.8	2	x	x	x	x
55940604	Broom main kit 300x700 PPL 0.5	1	x	x	x	x
55945984	Warning light kit	1	x	x	x	x
55945906	Filter kit 580x401x80 polyester 3.5 m²	1	x	x	x	x
55945450	Li-ion battery 24i-ion battery 24V 50AH	3		x	x	
55945990	Charger 24V 27A li-ion ACE	1		x	x	



# Accessories

Optional accessories

				EU & UK	EU & UK	US	China
Stock code	Accessory	Quantity	Acc group	SW3000 EU/UK sweeper	SW3000 LI-ION EU/UK sweeper	SW3000 LI-ION US sweeper	SW3000 CN sweeper
				50000740	50000742	50000758	50000743
55945984	Warning light kit	1		I	I	I	I
55940587	Broom side kit 300x500 PPL 0.8	2		I	I	I	I
55940604	Broom main kit 300x700 PPL 0.5	1		I	I	I	I
55945906	Filter kit 580x401x80 pes 3.5 m²	1		I	I	I	I
55940638	Blade front NR	1		I	I	I	I
55940934	Blade side NBR	2		I	I	I	I
55940330	Blade rear NBR	1		I	I	I	I
55940757	Broom side kit mix steel 300x500	2		A	A	A	A
55940756	Broom main kit mix steel 300x700	1		A	A	A	A
55940589	Broom side natural 300x500	2		A	A	A	A
55940590	Broom main natural 300x700	1		A	A	A	A
55945047	Fob kit (two keys included)	1		A	A	I	A
55945951	Blue light warning kit	1		M	M	M	M
55940412	Overhead guard kit	1		M	M	M	M
55945837	Seat armrest assembly set	1		M	M	M	M
55945830	Seat belt set	1		M	M	M	M
55945835	H13 filter kit 580x401x80 pes 3.5 m²	1		M	M	M	M

# Accessories

Optional accessories

Stock code	Accessory	Quantity	Acc group	EU & UK	EU & UK	US	China
				SW3000 EU/UK sweeper	SW3000 LI-ION EU/UK sweeper	SW3000 LI-ION US sweeper	SW3000 CN sweeper
				50000740	50000742	50000758	50000743
<b>Obboard chargers</b>							
55945990	Charger 24V 27A li-ion ACE	1		-	I	I	-
55945991	Charger 24V 25A lead-acid kit F EU/UK	1		A	-	-	A
559505802	Charger 24V 25A lead-acid kit F US			-	-	-	-
<b>External charge</b>							
80542426	Charger HF 24V 25A SB175R EU	1		A	-	-	-
<b>Battery &amp; charger accessories</b>							
55945450	Li-ion battery 25,6V 50AH	3		-	I	I	-
VF89725	Power cord EU 2M	1		A	I	-	A
VF89726	Power cord UK 2M	1		A	I	-	A
VF89724	Power cord US 2M	1		-	A	I	A
55940320	Lead-acid battery tray kit	1		M	-	-	M

# 5

## Technical specifications



# Main technical specifications

Technical parameters	SW3000 lead acid battery version	SW3000 Li-ion battery version
Machine length (mm/Inches)	1620 mm/63.8 inches	
Machine width (without side brooms) (mm/inches)	1055 mm/41.5 inches	
Machine height (mm/Inches)	1260 mm/49.6 inches	
Machine height with overhead guard (mm/inches)	1986mm/78.2 inches	
Working width (without side brooms) (mm/inches)	700 mm/27.6 inches	
Working width (with two side brooms) (mm/inches)	1350 mm /53.1 inches	
Minimum ground clearance (excluding blades) (mm/inches)	60 mm/2.4 inches	
Main broom size (diameter x length) (mm/inches)	300x700 mm/11.8x27.6 inches	
Side broom size (mm/inches)	500 mm/19.7 inches	
Main broom speed (rpm)	600 rpm	
Side broom speed (rpm)	0~98 rpm	
Front wheel ground pressure per unit area (N/mm <sup>2</sup> )	0.588 N/mm <sup>2</sup>	0.486 N/mm <sup>2</sup>
Rear wheel ground pressure per unit area (N/mm <sup>2</sup> )	0.447 N/mm <sup>2</sup>	0.357 N/mm <sup>2</sup>
Machine weight (without battery) (kg/Lbs.)	350 kg/771.6 Lbs.	354 kg/780.4 Lbs.
Recommended maximum operator weight of machine (kg/Lbs.)	120Kg/265 Lbs.	
Machine gross weight without operator (GVW) (kg/Lbs.)	563kg/1241.2 Lbs.	406kg/895.1 Lbs.
Hopper volume (L/Gal.)	100L/26.4 Gal.	

# Main technical specifications

Technical parameters	SW3000 lead acid battery version	SW3000 Li-ion battery version
Main broom motor (W/HP)	Input624W Output500W / Input0.85HP Output 0.68HP	
Side broom motor (W/HP)	Input280W Output100W / Input0.38HP Output 0.14HP	
Drive motor (W/HP)	Input936W Output650W / Input1.2HP Output 0.88HP	
Suction Motor (W/HP)	Input168W Output139W/ Input0.23 HP Output 0.19HP	
Vibration motor (W/HP)	Input144W Output100W / Input0.2HP Output 0.14HP	
Rated power (W/HP)	2640W/3.6 HP	
Power consumption (W/HP)	948W/1.3HP	823W/1.1HP
Noise level (ISO 11201, ISO 4871) (LpA)	72±3 dB(A)	
Sound power (ISO 3744, ISO 4871) (LwA)	86 dB(A)	
Vibration level at the operator's arms (ISO 5349-1) (*)	<2.5 m/s²	
Vibration level at the operator's body (ISO 2631-1) (*)	< 0.5 m/s²	
Motor protection rating	IP24	
(*) Performance parameters under normal working conditions on a flat asphalt surface		

# Main technical specifications

Technical parameters	SW3000 lead acid battery version	SW3000 Li-ion battery version
<b>Performance</b>		
Maximum driving speed	8 km/per hour / 5 miles per hour	
Maximum reverse speed	4 km/per hour / 2.5 miles per hour	
Gradeability (L=140 meters)	16%	
Minimum turning radius width	2550 mm	
<b>Battery</b>		
Battery voltage	DC 24 V	
Battery compartment dimensions (mm) (length x width x height)	770 x 340 x 300	
<b>Dust collection and filtration</b>		
Filter area	3.5 m²	
Maximum vacuum	8.8 mm H <sub>2</sub> O	
Filter shaker method	Electric	