

Freedom to do better

Autonomous floor scrubber for medium to large sized environments. Allows staff to focus on other tasks while the Liberty SC50 scrubs for 6 hours on a single charge.

Meet Nilfisk Liberty SC50 autonomous scrubber-dryer. After years of developing, testing, refining, live beta testing and more refining, it's ready for the biggest and toughest jobs you can throw at it. In airports, schools, gymnasiums, ballrooms and more, Nilfisk Liberty will get the dirtiest floors clean, any time of day, with no one watching over it.

Clean consistently every time. Nilfisk Liberty SC50 is precise, meticulous, and easy to use. It gets into those nooks and crannies you might otherwise miss, and it does it every single time. In fact, operators – and most autonomous cleaning machines – typically miss 15% of a space. But Nilfisk Liberty SC50's unique technology lets you map out a route that delivers between 98% and 99.5% coverage. You can do it with no help from us or anyone else. And as soon as Nilfisk Liberty SC50 has cleaned an area once, it precisely retraces the same path again, and again, and again.

Clean more, faster. How much more would you get done if no one had to spend time guiding a scrubber-dryer over all that floor space? Nilfisk Liberty SC50 frees up your staff to do those other important jobs that call

for a human touch, while it cleans autonomously for up to six hours on a single charge. It also automatically maps out the most efficient cleaning paths and retraces them every time. So you can clean more space in less time at a lower cost every single day. Plus, you'll get a text when it's time for Nilfisk Liberty SC50 to move on to the next task, and you won't have to think about unnecessary down time either.

Nilfisk Liberty SC50 is a fast learner. When it needs to be taught new tricks, you can teach it yourself. You'll never have to request a service visit just because you find yourself wanting to clean new spaces. Or when circumstances change for any reason – for a while or for good. Just hop on your Nilfisk Liberty SC50, push the button to put it in mapping mode, and you'll soon be ready to take on something new.

- **Reliable and Safe:** The Liberty SC50 is the only autonomous floor scrubber on the market compliant with CSA/ANSI 336, an OSHA recognized autonomous floorcare safety standard.
- **Size and Run-Time:** The agile design allows the machine to react to changes in the environment and maintain autonomous operation without operator intervention.
- **Simplicity:** We added 3 buttons for autonomy. Record. Play. Stop. This machine is built for a scrubber operator, not a computer programmer.
- **Fill-in Mode:** The operator drives around the site to-be cleaned once, and the SC50 calculates the most efficient path to clean the interior of that space, avoiding obstacles along the way. This revolutionary cleaning method is a Nilfisk exclusive.

• Standard equipment

Model	LIBERTY SC50 »	LIBERTY SC50 X51R OBC PH	LIBERTY SC50 X20R A255 OBC PH
Ref. no.	56104508	56104509	56104507

PRODUCT FEATURES

Front and rear bumpers	•	•	•
Solution level indicator	•	•	•
Battery level indicator	•	•	•
Squeegee	•	•	•
TrackClean ready	•	•	•
Autonomous operation	•	•	•
Manual operation	•	•	•
TextAssist operator alerts	•	•	•



Picture shown may not represent model quoted

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PRODUCT FEATURES

Digital reports	•	•	•
Software updates	•	•	•
Copycat mode	•	•	•
Fill-in mode	•	•	•
Pause/resume autonomous plan	•	•	•
USB port	•	•	•

Technical specifications	LIBERTY SC50 »	LIBERTY SC50 X51R OBC PH	LIBERTY SC50 X20R A255 OBC PH
Max. transport speed - manual Fwd.	5.0 kph (3.1 mph)	5.0 kph (3.1 mph)	5.0 kph (3.1 mph)
Max transport speed - manual rev.	2.6 kph (1.62 mph)	2.6 kph (1.62 mph)	2.6 kph (1.62 mph)
Max. transport autonomous	1.055 m/s (2.35 mph)	1.055 m/s (2.35 mph)	1.055 m/s (2.35 mph)
Battery capacity (Ah/5)	255	255	255
Voltage (V)	24	24	24
Protection class	IPX4	IPX4	IPX4
Handle vibration level (m/s ²)	0.17	0.17	0.17
Min. turn-around aisle width (cm)	159.2 (62.7in)	159.2 (62.7in)	159.2 (62.7in)
Squeegee width (cm)	76.7 (30.2in)	76.7 (30.2in)	76.7 (30.2in)
Length (cm)	135.5 (53.3in)	135.5 (53.3in)	135.5 (53.3in)
Width (cm)	76.1 (30.0in)	76.1 (30.0in)	76.1 (30.0in)
Height (cm)	144.1 (56.8in)	144.1 (56.8in)	144.1 (56.8in)
Gross weight (gvw) (kg)	484.4 (1067.9lb)	484.4 (1067.9lb)	484.4 (1067.9lb)
Gradeability transport % (DEG)	15% (8.53 degrees)	15% (8.53 degrees)	15% (8.53 degrees)
Gradeability working % (DEG)	9% (5.14 degrees)	9% (5.14 degrees)	9% (5.14 degrees)
Vibration level at the operator's body (m/s ²)	0.01	0.01	0.01
Max. theoretical productivity	1,936 m ² /hr (20,839ft ² /hr)	1,936 m ² /hr (20,839ft ² /hr)	1,936 m ² /hr (20,839ft ² /hr)
Scrub head	Disc	REV	REV
Scrub path	51 cm (20in)	51 cm (20in)	51 cm (20in)
Scrub brush speed	157 RPM	2250 RPM - 1/4 orbits and macro of 10-30 RPM	2250 RPM - 1/4 orbits and macro of 10-30 RPM
Solution/recovery tank capacity	57/53 L (15/14gal)	57/53 L (15/14gal)	57/53 L (15/14gal)
Sound level (IEC60335-2-72)	63 dB A / .029344 uPa	63 dB A / .029344 uPa	63 dB A / .029344 uPa
Speed (forward/reverse)			



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● Standard equipment, ○ Supplementary accessories, □ Mountable equipment

