

Our high-performance large-scale solution provides unbeatable productivity for larger spaces and applications

Built on <https://www.braincorp.com/> powerful BrainOS® – the world's most widely-used autonomous operating system – the high-performance Liberty SC60 also boasts the market's largest scrub deck, exemplary runtime, and minimal downtime requirements.

Its significant cleaning capability makes it ideal for maximizing floorcare quality and efficiency across the world's largest indoor spaces. And, because it's a Liberty solution, its extensive programmability means operators can adapt the SC60 to any layout, in any environment, in a single run.



Like all Nilfisk Autonomous solutions, the Liberty SC60 is safety-certified, fully autonomous, and designed for consistent results with minimal oversight. This high level of operational safety allows staff to focus on tasks that benefit the most from valuable human effort, and provides the means for unmatched productivity in any large-scale cleaning operation.

- Best-in-class productivity and runtime
- The largest scrub deck on a comparable BrainOS enabled robotic scrubber
- Reliable obstacle-detection/avoidance along cleaning path
- 3rd party-certified to the Robotic Safety standard (CSI/ANSI 336-compliant)
- Intuitive, easy-to-use user interface accelerates setup and adoption
- Regular, cloud-based software updates keep pace with innovation and deliver ongoing value



Picture shown may not represent model quoted

● Standard equipment

Included accessories		Ref. no.	Min. required	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
Disc Brush 370 mm					
	DISC BRUSH-14 PROLENE 3 LUG	56505804	2	•	
Deck Blade					
	SKIRT BLADE KIT-RED GUM	56383489	1	•	•
Squeegee Blade					
	BLADE KIT-SQUEEGEE-RED GUM 28	56382735	1	•	
Battery					
	BATTERY 6V 390 AH AGM	56123064	4	•	•
Charger					
	CHARGER-BATTERY-24VDC-50A-SHLF	56123221	1	•	•
Other					
	DETERGENT SOLUTION SYSTEM KIT	9100002963	1	•	•
	HOME LOCATION PACK-STD	56123087	1	•	•
	TRAY DEBRIS KIT	9100000795	1	•	•



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Model	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
Ref. no.	56123292	56123305

PRODUCT FEATURES

Front and rear bumpers	•	•
Automatic squeegee lift in reverse	•	•
Solution level indicator	•	•
Blades can be used on 4 edges	•	•
Battery level indicator	•	•
Click on-off brush	•	
Water level indicator	•	•
Squeezable drain hose with flow control	•	•
Delivered ready to use (full package)	•	•
One-Touch™ Button	•	•
Autonomous operation	•	•
Manual operation	•	•
TextAssist operator alerts	•	•
Digital reports	•	•
Software updates	•	•
Copypcat mode	•	•
Pause/resume autonomous plan	•	•
Wheel Guards	•	•
Heavy duty squeegee	•	•
Automatic brush deck lifting	•	

Technical specifications	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
Max. transport speed - manual Fwd.	1.90 m/sec.	1.90 m/sec.
Max transport speed - manual rev.	1.24 m/sec	1.24 m/sec
Max. transport autonomous	2.46mph / 1.1m/s	2.46mph / 1.1m/s
Battery capacity (Ah/5)	4.5-5.5 hours (application dependent)	4.5-5.5 hours (application dependent)
Voltage (V)	24	24
Protection class / IP protection	IPX3	IPX3
Battery type	AGM – Maintenance-free	AGM – Maintenance-free
Min. turn-around aisle width (m)	1.88 m / 74 inch.	1.88 m / 74 inch.
Gross weight (gvw) (kg)	1499 / 680 lbs	
Shipping weight (kg)	1102 / 500 lbs	
Gradeability transport % (DEG)	16% (9.09°)	16% (9.09°)









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Technical specifications

LIBERTY SC60 28D
PROLENE BRLIBERTY SC60
X71C NO BAT




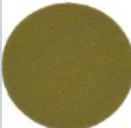




Vibration level at the operator's body (m/s ²)	0,17	
Max. theoretical productivity	2811 m2/hr	2811 m2/hr
Length	169.5 cm / 66.7 inch.	169.5 cm / 66.7 inch.
Width	81.1 cm / 31.9 inch.	81.1 cm / 31.9 inch.
Height	145.9 cm / 57.4 inch.	145.9 cm / 57.4 inch.
Cleaning width	71 cm / 28 inch	71cm / 28 inch
Squeegee width	82.9 cm / 32.6 inch.	82.9 cm / 32.6 inch.
Scrub brush speed	215-260 RPM	215-260 RPM
Solution/recovery tank capacity	99/105 L / 26.1 /27.74 gal	99/105 L / 26.1 /27.74 gal
Gradeability - Cleaning	9% (5.14°)	9% (5.14°)
Sound level (IEC60335-2-72)	57 dB(A)/20μPa	57 dB(A)/20μPa

● Standard equipment, ○ Supplementary accessories, □ Mountable equipment

Accessories		Ref. no.	Min. required	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
Pad 14" / 355 mm					
	PAD 14 355MM ECO BLACK 5PCS	10001916	2	○	
	PAD 14 355MM ECO BLUE 5PCS	10001917	2	○	
	PAD 14 355MM ECO BROWN 5PCS	10001918	2	○	
	PAD 14 355MM ECO GREEN 5PCS	10001919	2	○	
	PAD 14 355MM ECO RED 5PCS	10001920	2	○	
	PAD 14 355MM ECO WHITE 5PCS	10001921	2	○	
	PAD 14 355MM EPP MAROON 10PCS	10001974	2	○	
Special Pad					



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Accessories		Ref. no.	Min. required	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
	PAD 14 355MM ECO BRILLIANCE BLUE 2PCS	10002325	2	○	
	PAD 14 355MM ECO BRILLIANCE GREEN 2PCS	10002327	2	○	
	PAD 14 355MM ECO BRILLIANCE RED 2PCS	10002324	2	○	
	PAD 14 355MM ECO BRILLIANCE YELLOW 2PCS	10002326	2	○	
Squeegee Blade					
	BLADE KIT-SQUEEGEE-GUM 28	56382734	1	○	
	BLADE KIT-SQUEEGEE-PU 28	56382737	1	○	
	BLADE KIT-SQUEEGEE-RED GUM 28	56382735	1	●	
Other					
	BLUE LIGHT KIT	56123328	1	□	□
	DETERGENT SOLUTION SYSTEM KIT	9100002963	1	●	●
	HOME LOCATION PACK-STD	56123087	1	●	●
	PAD RETAINER	56505195	1	○	
	SEAT BELT KIT	56123215	1	□	□
	SEAT KIT	56123300	1	□	□
	TRAY DEBRIS KIT	9100000795	1	●	●
Pad Holder					
	PAD HOLDER-14 3 LUG	56505800	2	○	
Disc Brush 370 mm					
	DISC BRUSH-14 AGLITE 3 LUG	56505803	2	○	



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Accessories		Ref. no.	Min. required	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
	DISC BRUSH-14 DYNAGRIT 3 LUG	56505802	2	○	
	DISC BRUSH-14 MAGNAGRIT 3 LUG	56505801	2	○	
	DISC BRUSH-14 MIDGRIT 3 LUG	56505807	2	○	
	DISC BRUSH-14 MIDLITE 3 LUG	56505808	2	○	
	DISC BRUSH-14 PROLENE 3 LUG	56505804	2	●	
	DISC BRUSH-14 PROLITE 3 LUG	56505805	2	○	
	DISC BRUSH-14 UNION MIX 3 LUG	56505806	2	○	
Squeegee, Blade, Skirt and Splash Guard					
	BLADE FRONT 28	56601248	1	○	○
	BRUSH SKIRT ASSY-28-34D-LH-RED	56123284	1	○	○
	BRUSH SKIRT ASSY-28-34D-RH-RED	56123283	1	○	○
Flap and Skirt					
	BLADE FRONT 28	56601521	1	○	○
Deck Blade					
	SKIRT BLADE KIT-GUM	56383488	1	○	○
	SKIRT BLADE KIT-PU	56383490	1	○	
	SKIRT BLADE KIT-RED GUM	56383489	1	●	●
Battery					
	BATTERY 6V 390 AH AGM	56123064	4	●	●
Charger					
	CHARGER-BATTERY-24VDC-50A-SHLF	56123221	1	●	●

