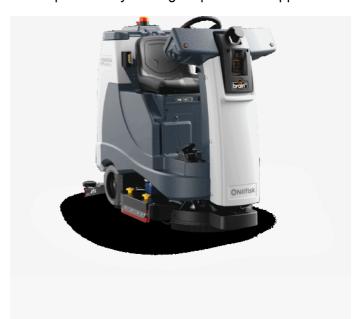
Built on http://https://www.braincorp.com/ powerful BrainOS® – the world's most widely-used autonomous operating system – the high-performance Liberty SC60 has exemplary runtime and minimal downtime requirements. Its significant cleaning capability makes it ideal for maximizing floorcare quality and 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 336compliant)
- 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 37	Disc Brush 370 mm				
	DISC BRUSH-14 PROLENE 3 LUG	56505804	2	•	
Deck Blade					
	SKIRT BLADE KIT-RED GUM	56383489	1	•	•
Battery					
	BATTERY 6V 390 AH AGM	56123064	4	•	•
Charger	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	•	•



Ref. no. 56123392 56123305 PRODUCT FEATURES Front and rear bumpers	Model	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
Front and rear bumpers .	Ref. no.	56123292	56123305
Automatic squeegee lift in reverse •	PRODUCT FEATURES		
Solution level indicator • <td>Front and rear bumpers</td> <td>•</td> <td>•</td>	Front and rear bumpers	•	•
Blades can be used on 4 edges • • • • • • • • • • • • • • • • • • •	Automatic squeegee lift in reverse	•	•
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 • • Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeege • • Automatic brush deck lifting • LIBERTY SC80 28b XTCNO 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 speed - manual rev. 2.46mph / 1.1m/s 2.55 hours Voltage (V) 2.4	Solution 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 • • Manual operation • • TextAssist operator alerts • • Digital reports • • Software updates • • Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting * * Technical specifications * * * Max. transport speed - manual Fwd. * 1.90 m/sec. * Max. transport speed - manual Fwd. * 1.24 m/sec * Max. transport speed - manual Fwd. * 4.5-5.5 hours	Blades can be used on 4 edges	•	•
Water level indicator •	Battery 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 • • Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting • • Technical specifications LIBERTY SC60 28D XT/C NO BAT XT/C 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/S) 4.5-5.5 hours (application dependent) (application dependent) Voltage (V) 24 24 <	Click on-off brush	•	
Delivered ready to use (full package) •	Water level indicator	•	•
One-Touch™ Button • • Autonomous operation • • Manual operation • • TextAssist operator alerts • • Digital reports • • Software updates • • Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting • LIBERTY SC60 28D AVT CNO 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 4.5-5.5 hours (application dependent) 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 Maintenance-free Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch.	Squeezable drain hose with flow control	•	•
Autonomous operation •	Delivered ready to use (full package)	•	•
Manual operation • • TextAssist operator alerts • • Digital reports • • Software updates • • Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting • • Technical specifications LIBERTY SC60 280 ZPIC ENERR 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 speed - manual rev. 2.46mph / 1.1m/s 4.5-5.5 hours (application dependent) 4.5-5.5 hours (application dependent) 4.5-5.5 hours (application dependent) Voltage (V) 24 24 24 Protection class / IP protection IPX3 AGM – Maintenance-free Mainte	One-Touch™ Button	•	•
TextAssist operator alerts • • Digital reports • • Software updates • • Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting • • Technical specifications LIBERTY SC60 28D X710 ND BAT LIBERTY SC60 X710 ND 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) (application dependent) Voltage (V) 24 24 Protection class / IP protection IPX3 IPX3 Battery type Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch. 1.88 m / 74 inch. Gross weight (gyw) (kg) 1499 / 680 lbs 1102 / 500 lbs 1102 / 500 lbs	Autonomous operation	•	•
Digital reports • • Software updates • • Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting • • Technical specifications LIBERTY SC60 28D / X710 NO BAT X110 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) (application dependent) Voltage (V) 24 24 Protection class / IP protection IPX3 IPX3 Battery type Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch. 1.88 m / 74 inch. Gross weight (gww) (kg) 1499 / 680 lbs 5 Shipping weight (kg) 1102 / 500 lbs 1102 / 500 lbs	Manual operation	•	•
Software updates • • Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting • LIBERTY SC60 28D PROLENE BR LIBERTY SC60 28D 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) 4.55.5 hours (application dependent) (application dependent) Voltage (V) 24 24 Protection class / IP protection IPX3 IPX3 Battery type Maintenance-free Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch. 1.88 m / 74 inch. Gross weight (gww) (kg) 1499 / 680 lbs 5hipping weight (kg) 1102 / 500 lbs	TextAssist operator alerts	•	•
Copycat mode • • Pause/resume autonomous plan • • Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting • • Technical specifications LIBERTY SC60 28D PROLENE BR LIBERTY SC60 28D 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 Maintenance-free Maintenance-free Maintenance-free Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch. 1.88 m / 74 inch. Gross weight (gyw) (kg) 1499 / 680 lbs Shipping weight (kg) 1102 / 500 lbs	Digital reports	•	•
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) (application dependent) Voltage (V) 24 24 Protection class / IP protection IPX3 IPX3 Battery type Maintenance-free Maintenance-free Maintenance-free Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch. 1.88 m / 74 inch. 1.88 m / 74 inch. Gross weight (gvw) (kg) 1499 / 680 lbs 5hipping weight (kg) 1102 / 500 lbs	Software updates	•	•
Wheel Guards • • Heavy duty squeegee • • Automatic brush deck lifting • • Technical specifications LIBERTY SC60 28D PROLENE BR LIBERTY SC60 X71C NO BAT 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) (application dependent) Voltage (V) 24 24 Protection class / IP protection IPX3 IPX3 Battery type Maintenance-free Maintenance-free Maintenance-free Maintenance-free Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch. 1.88 m / 74 inch. 1.88 m / 74 inch. Gross weight (gvw) (kg) 1499 / 680 lbs 5hipping weight (kg) 1102 / 500 lbs	Copycat mode	•	•
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) (application (application dependent) (application dependent) AC5-5.5 hours (application dependent) Voltage (V) 24 24 24 Protection class / IP protection IPX3 IPX3 IPX3 Battery type AGM - Maintenance-free Maintenance-free Maintenance-free Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch. 1.88 m / 74 inch. Gross weight (gww) (kg) 1499 / 680 lbs 1499 / 680 lbs Shipping weight (kg) 1102 / 500 lbs	Pause/resume autonomous plan	•	•
Automatic brush deck lifting ■ Technical specifications LIBERTY SC60 28D PROLENE BR X71C NO BAT X71C NO BAT Max. transport speed - manual Fwd. 1.90 m/sec. Max transport speed - manual rev. 1.24 m/sec Max. transport autonomous 2.46mph / 1.1m/s Battery capacity (Ah/5) 4.5-5.5 hours (application dependent) Voltage (V) 24 24 Protection class / IP protection IPX3 IPX3 Battery type AGM - Maintenance-free Maintenance-free Maintenance-free Maintenance-free Min. turn-around aisle width (m) 1.88 m / 74 inch. 1.88 m / 74 inch. Gross weight (gww) (kg) 1499 / 680 lbs 1102 / 500 lbs	Wheel Guards	•	•
Technical specifications LIBERTY SC60 28D PROLENE BR X71C NO BAT X71C NO BAT LIBERTY SC60 28D X71C NO BAT LIB 90 m/sec. 1.90 m/sec. 1.90 m/sec. 1.24 m/sec 1.24 m/sec<	Heavy duty squeegee	•	•
Max. transport speed - manual Fwd. Max transport speed - manual rev. Max transport speed - manual rev. Max. transport autonomous 1.24 m/sec 1.25-5.5 hours (application dependent) 4.5-5.5 hours (application dependent) 1.25 m/sec 1.26 m/sec 1.26 m/sec 1.26 m/sec 1.26 m/sec 1.26 m/sec 1.27 m/sec 1.28 m/sec 1.29 m/sec 1.29 m/sec 1.24 m/sec 1.24 m/sec 1.24 m/sec 1.25 m/sec 1.26 m/sec 1.26 m/sec 1.26 m/sec 1.27 m/sec 1.28 m/sec 1.29 m/sec 1.29 m/sec 1.29 m/sec 1.24 m/sec 1.26 m/sec 1.27 m/sec 1.28 m/sec 1.29 m/sec 1.24 m/sec 1.24 m/sec 1.24 m/sec 1.24 m/sec 1.24 m/sec 1.26 m/sec 1.27 m/sec 1.28 m/r4 inch 1.88 m/r4 inch	Automatic brush deck lifting	•	
Max transport speed - manual rev.1.24 m/sec1.24 m/secMax. transport autonomous2.46mph / 1.1m/s2.46mph / 1.1m/sBattery capacity (Ah/5)4.5-5.5 hours (application dependent)4.5-5.5 hours (application dependent)Voltage (V)2424Protection class / IP protectionIPX3IPX3Battery typeAGM - Maintenance-free Maintenance-freeAGM - Maintenance-freeMin. turn-around aisle width (m)1.88 m / 74 inch.1.88 m / 74 inch.Gross weight (gvw) (kg)1499 / 680 lbsShipping weight (kg)1102 / 500 lbs	Technical specifications		LIBERTY SC60 X71C NO BAT
Max. transport autonomous2.46mph / 1.1m/s2.46mph / 1.1m/sBattery capacity (Ah/5)4.5-5.5 hours (application dependent)4.5-5.5 hours (application dependent)Voltage (V)2424Protection class / IP protectionIPX3IPX3Battery typeAGM - Maintenance-free Min. turn-around aisle width (m)1.88 m / 74 inch.1.88 m / 74 inch.Gross weight (gvw) (kg)1499 / 680 lbsShipping weight (kg)1102 / 500 lbs	Max. transport speed - manual Fwd.	1.90 m/sec.	1.90 m/sec.
Battery capacity (Ah/5) Battery capacity (Ah/5) Voltage (V) 24 Protection class / IP protection Battery type AGM - Maintenance-free Min. turn-around aisle width (m) Gross weight (gvw) (kg) Shipping weight (kg) 4.5-5.5 hours (application dependent) AGM - Maintenance-free AGM - Maintenance-free AGM - Maintenance-free AGM - Maintenance-free 1.88 m / 74 inch. 1.88 m / 74 inch. 1.88 m / 74 inch. 1.89 m / 74 inch.	Max transport speed - manual rev.	1.24 m/sec	1.24 m/sec
Battery capacity (Ah/5) Voltage (V) Protection class / IP protection Battery type Battery type Min. turn-around aisle width (m) Gross weight (gvw) (kg) Shipping weight (kg) (application dependent) A24 24 PAGM – Maintenance-free AGM – Maintenance-free Maintenance-free AGM – Maintenance-free Maintenance-free 1.88 m / 74 inch.	Max. transport autonomous	2.46mph / 1.1m/s	2.46mph / 1.1m/s
Voltage (V)2424Protection class / IP protectionIPX3IPX3Battery typeAGM - Maintenance-free Maintenance-freeAGM - Maintenance-freeMin. turn-around aisle width (m)1.88 m / 74 inch.1.88 m / 74 inch.Gross weight (gvw) (kg)1499 / 680 lbsShipping weight (kg)1102 / 500 lbs	Battery capacity (Ah/5)	(application	(application
Protection class / IP protection Battery type AGM – Maintenance-free Min. turn-around aisle width (m) Gross weight (gvw) (kg) Shipping weight (kg) IPX3 AGM – Maintenance-free Maintenance-free Maintenance-free 1.88 m / 74 inch. 1.88 m / 74 inch. 1.88 m / 74 inch. 1.99 / 680 lbs 1102 / 500 lbs	Voltage (V)	. ,	
Maintenance-free Maintenance-free Maintenance-free Min. turn-around aisle width (m) Gross weight (gvw) (kg) Shipping weight (kg) Maintenance-free Maintenanc	Protection class / IP protection	IPX3	IPX3
Gross weight (gvw) (kg) Shipping weight (kg) 1499 / 680 lbs 1102 / 500 lbs	Battery type		
Shipping weight (kg) 1102 / 500 lbs	Min. turn-around aisle width (m)	1.88 m / 74 inch.	1.88 m / 74 inch.
	Gross weight (gvw) (kg)	1499 / 680 lbs	
Gradeability transport % (DEG) 16% (9.09°) 16% (9.09°)	Shipping weight (kg)	1102 / 500 lbs	
	Gradeability transport % (DEG)	16% (9.09°)	16% (9.09°)



Technical specifications	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
Vibration level at the operator's body (m/s²)	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

 $[\]bullet$ Standard equipment, $^{\bigcirc}$ Supplementary accessories, $^{\square}$ 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	0	
PAD 14 355MM ECO BLUE 5PCS	10001917	2	0	
PAD 14 355MM ECO BROWN 5PCS	10001918	2	0	
PAD 14 355MM ECO GREEN 5PCS	10001919	2	0	
PAD 14 355MM ECO RED 5PCS	10001920	2	0	
PAD 14 355MM ECO WHITE 5PCS	10001921	2	0	
PAD 14 355MM EPP MAROON 10PCS	10001974	2	0	
Special Pad				



	Accessories	Ref. no.	Min. required	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
	PAD 14 355MM ECO BRILLIANCE BLUE 2PCS	10002325	2	0	
	PAD 14 355MM ECO BRILLIANCE GREEN 2PCS	10002327	2	0	
	PAD 14 355MM ECO BRILLIANCE RED 2PCS	10002324	2	0	
	PAD 14 355MM ECO BRILLIANCE YELLOW 2PCS	10002326	2	0	
Other		'			
	BLUE LIGHT KIT	56123328	1		
	DETERGENT SOLUTION SYSTEM KIT	9100002963	1	•	•
	HOME LOCATION PACK-STD	56123087	1	•	•
•	PAD RETAINER	56505195	1	0	
	SEAT BELT KIT	56123215	1		
	SEAT KIT	56123300	1		
	TRAY DEBRIS KIT	9100000795	1	•	•
Pad Holder					
	PAD HOLDER-14 3 LUG	56505800	2	0	
Disc Brush 3	70 mm				
	DISC BRUSH-14 AGLITE 3 LUG	56505803	2	0	
	DISC BRUSH-14 DYNAGRIT 3 LUG	56505802	2	0	
	DISC BRUSH-14 MAGNAGRIT 3 LUG	56505801	2	0	
	DISC BRUSH-14 MIDGRIT 3 LUG	56505807	2	0	
	DISC BRUSH-14 MIDLITE 3 LUG	56505808	2	0	
	DISC BRUSH-14 PROLENE 3 LUG	56505804	2	•	
	DISC BRUSH-14 PROLITE 3 LUG	56505805	2	0	
	DISC BRUSH-14 UNION MIX 3 LUG	56505806	2	0	
Squeegee, B	lade, Skirt and Splash Guard				



	Accessories	Ref. no.	Min. required	LIBERTY SC60 28D PROLENE BR	LIBERTY SC60 X71C NO BAT
BLAD	E FRONT 28	56601248	1	0	0
BRUS	H SKIRT ASSY-28-34D-LH-RED	56123284	1	0	0
BRUS	SH SKIRT ASSY-28-34D-RH-RED	56123283	1	0	0
Flap and Skirt	Flap and Skirt				
BLAD	E FRONT 28	56601521	1	0	0
Deck Blade	Deck Blade				
SKIRT	FBLADE KIT-GUM	56383488	1	0	0
SKIRT	FBLADE KIT-PU	56383490	1	0	
SKIRT	FBLADE KIT-RED GUM	56383489	1	•	•
Battery					
BATT	ERY 6V 390 AH AGM	56123064	4	•	•
Charger	Charger				
CHAR	GER-BATTERY-24VDC-50A-SHLF	56123221	1	•	•

