

CS7020 LITHIUM-ION

# Efficient large area cleaning at lower total cost

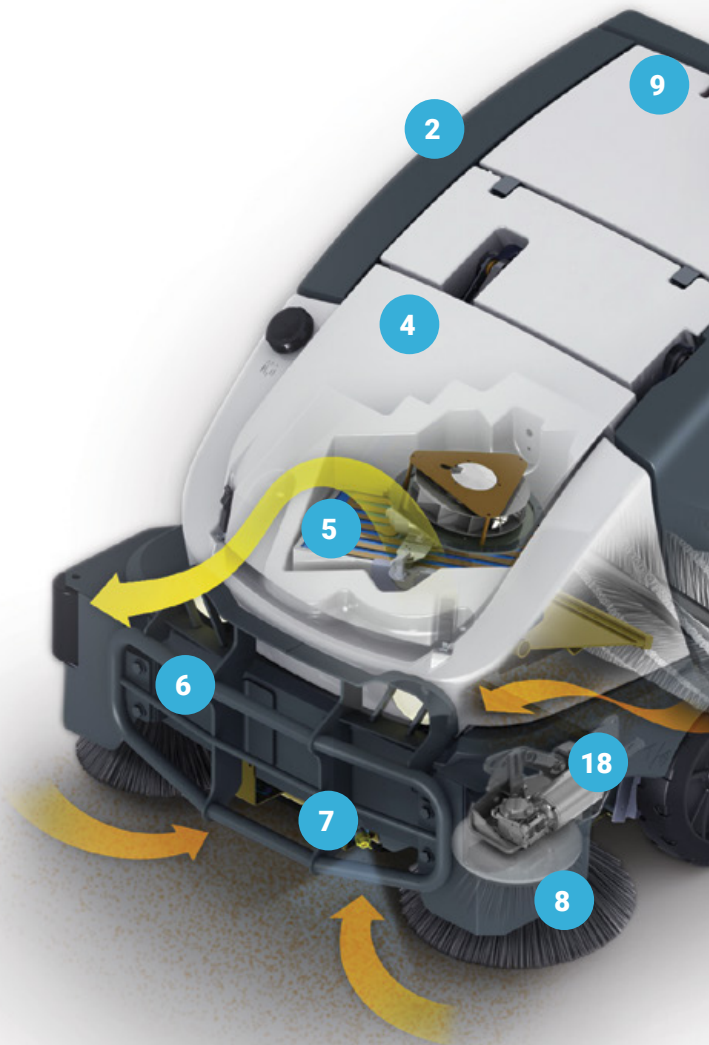


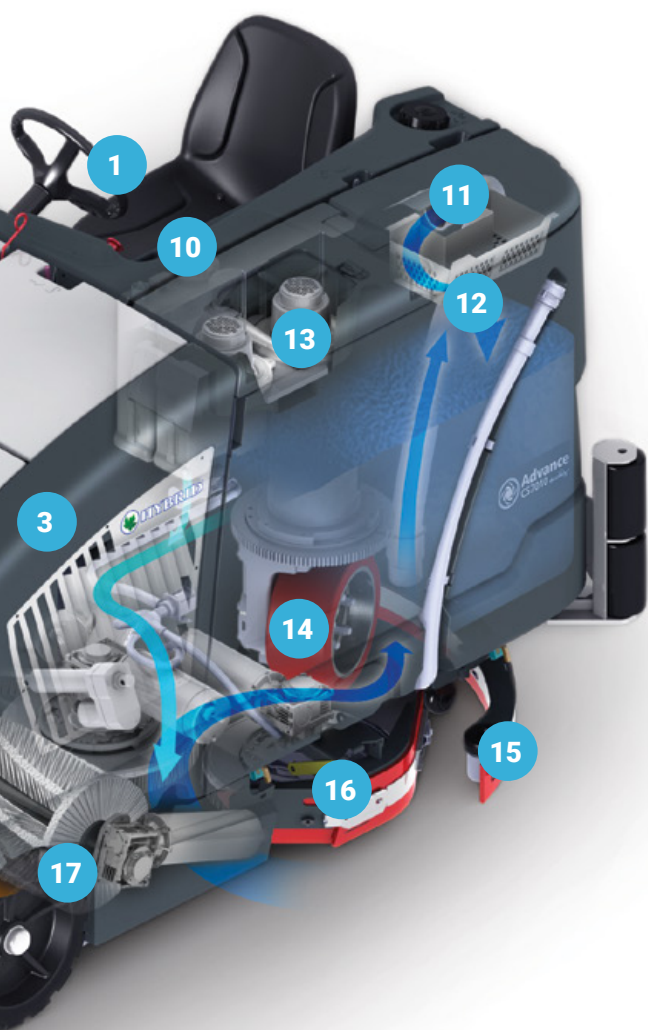
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# The CS7020 Lithium-Ion battery power combination sweeper-scrubber

Environmentally-friendly & economical, the CS7020 can halve cleaning time by scrubbing and sweeping at the same time.

- 1** ClearView sightlines and automatic speed reduction in turns for safer operation
- 2** High impact-absorbing polymer body panels won't dent, corrode or damage facility
- 3** Lithium-Ion Battery gives run time for up to 6.3 hours, and can be fully recharged in 3-3.5 hours
- 4** High-capacity 113 litre front dry sweeper debris hopper with high-lift system
- 5** High performance Donaldson PowerCore® nanofiber filter with variable-frequency shaker
- 6** Heavy gauge industrial steel chassis
- 7** Available with optional patented DustGuard™ airborne dust suppression technology
- 8** Standard dual side brooms sweep entire squeegee path to minimise fouling
- 9** Seat-accessible hopper safety prop rod





## LITHIUM-ION BATTERY

- 10** Optional dual-tank EcoFlex™ System provides flexible cleaning, and reduces water and chemical usage
- 11** Tools-free tilt-out/lift-off recovery tank
- 12** High-capacity 284 litre corrosion-proof solution and recovery tanks
- 13** Powerful dual vacuum motors deliver high waterlift and airflow to ensure a safe, dry floor
- 14** SmartFlow™ technology decreases water and chemical usage
- 15** Patented breakaway squeegee mechanism with tools-free servicing
- 16** Disc scrub deck with integrated, powerful edge cleaning capability
- 17** Brushes, brooms and squeegee can be replaced without tools
- 18** Electronically-controlled electric drives are IP55 rated for easy cleaning and reliable operation

*CS7020 models shown in photos may feature optional accessories not included in basic specification model. Front bumper not available.*

More effective cleaning

### DustGuard™



Patented DustGuard™ is proven to reduce airborne dust generated by side broom sweeping. An ultra fine fog suppresses fugitive dust.

### Lithium-Ion technology



Li-Ion power maximises run time, recharges more quickly, can be opportunity charged, has a superior battery lifespan and reduces the cost of maintenance.

### Intuitive control panel



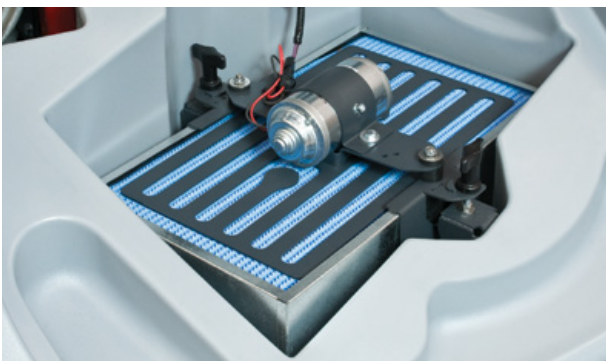
Intuitive controls with OneTouch™ operation reduce training time, improve productivity and deliver more consistent cleaning results.

### EcoFlex™ system



EcoFlex™ System enables operators to change scrub power, water and detergent levels as needed while cleaning to save time, money and resources.

### UltraWeb® nanofilter



High-capacity Donaldson PowerCore® UltraWeb® nanofilter synthetic media filter with MERV 13 rating with a variable-frequency shaker. Provides superior dust/dirt holding capacity in a more compact package for longer filter life and improved dust control compared to conventional pleated filters.

### SmartFlow™



SmartFlow™ adjusts solution flow with the machine's speed, using water and chemicals. Proportionally higher productivity with fewer dump and refill cycles per tankful.

Simpler cleaning

### Pivoting scrub deck



Retractable 10 cm offset disc deck enhances edge scrubbing and resists damage from accidental impact.

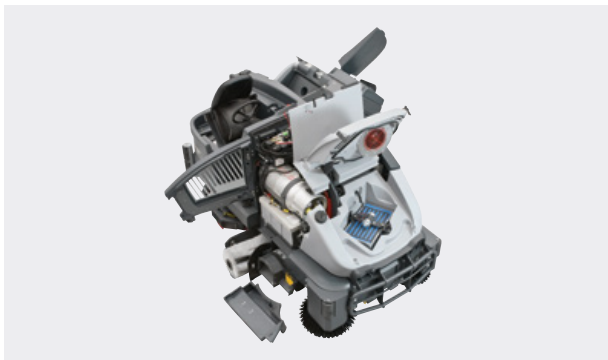
Safer cleaning

### Speed reduction



Automatic speed reduction in turns for improved safety and reduced risk of impact damage.

### MaxAccess™



We designed the CS7020 to provide quick access to all vital systems for easier inspection and maintenance.

### Ergonomic operator compartment



The CS7020 has a fully adjustable seat (with built-in arm rest and seat belt) and tilt steering.



## Technical specifications

<b>Model</b>	<b>CS7020 Lithium Ion</b>	
Configuration	Independent front dry sweeping w/dust control and rear scrubbing functions Electronically controlled electric drives for all sweeping and scrubbing functions Electrically driven hydraulic power unit for hopper raise/lower functions	
<b>Sweeping system</b>		
Sweeping path w/dual side brooms	154 cm – Squeegee path width is fully swept	
Main broom	90 cm x 31 cm	
Sweeping coverage rate per hour	Up to 13,600 m <sup>2</sup>	
Dust control system	10.7 m <sup>2</sup> Donaldson high-capacity PowerCore® UltraWeb® filter w/synthetic media Variable frequency automatic filter shaker	
Hopper dump height (max.)	152 cm	
Hopper capacity	113 litre 136 kg	
Dustguard™ tank capacity <sup>(1)</sup>	110 litre	
<b>Scrubbing and recovery systems</b>		
Scrubbing path and brushes	124.5 cm – 3 x 43 cm disc	
Scrubbing coverage rate per hour	Up to 11,080 m <sup>2</sup>	
Scrub pressure	Three scrub pressure settings up to 181 kg of down force at maximum setting	
Recovery/Solution tank capacity	284 litre each	
Recovery vacuum	Dual vac fan motors capable of 165 cm waterlift	
<b>Power and propulsion systems</b>		
Squeegee width	135 cm	
Propulsion system	Battery: Li-Ion 38.6V/608A	
System drive	Variable speed brushless A/C drive	
Propel speed (variable)	Transport	8.9 km/h
	Sweeping/Scrubbing	8.9 km/h w/override capability
Operational run time	Sweeping/Scrubbing <sup>(2)</sup>	Up to 6.3 hrs with 38.4V/608A Lith Ion battery
Gradeability	Transport @ Gross Weight	17.6%
	Scrubbing/Sweeping	17.6%
<b>Dimensions/Weight/Sound/Environmental</b>		
Length	262 cm	
Width	122 cm	
Height	150 cm	
Minimum aisle turn	264 cm	
Weight:	GWW	2,343 kg
	Empty	1,373 kg
Sound level (IEC60335-2-72)	72 dB(A)	
Water ingress ion	All electric drive motors and actuators rated IP55 for water washdown	
Machine ingress protection	IPX4	

Specifications are subject to change without notice.



<sup>(1)</sup> DustGuard™ optional

<sup>(2)</sup> Measured run time using low scrubbing and sweeping mode at normal operating speeds on smooth floors (actual results will be application dependent)

The CS7020 model - as depicted in images in this brochure - may feature optional accessories that are not included in the base specification model machine. The front bumper illustrated is not available as an optional extra on the CS7020. For up to date & current specifications of the CS7020 - please see your Nilfisk dealer or contact Nilfisk Australia or Nilfisk New Zealand for further information.

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