

CS7020 LITHIUM-ION

# Efficient large area cleaning at lower total cost

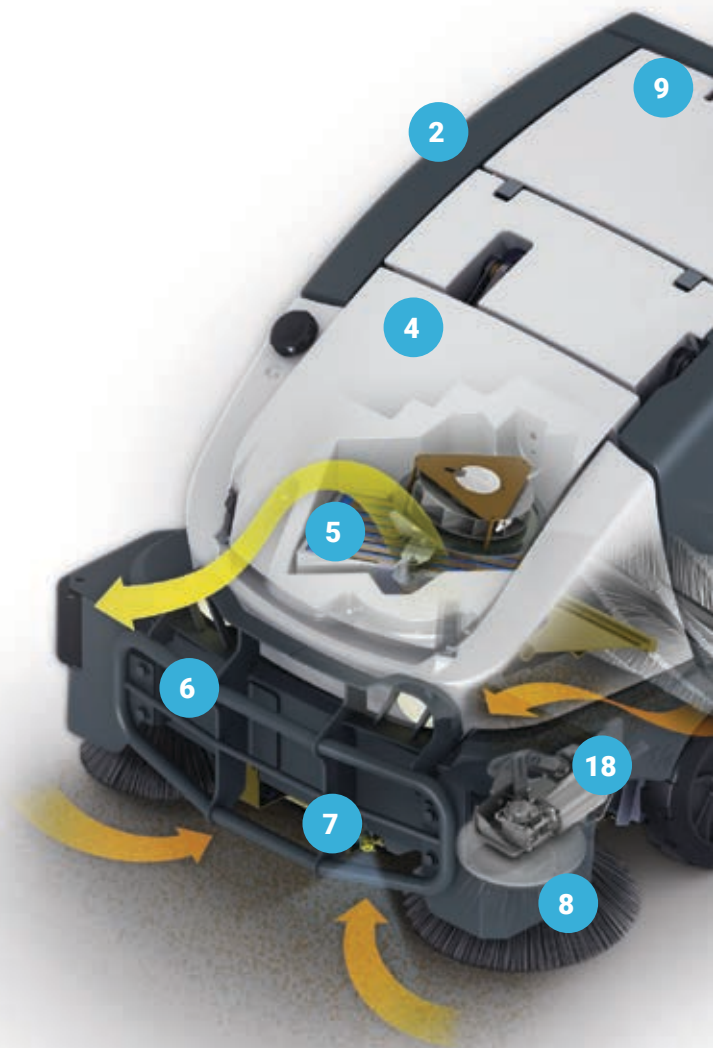


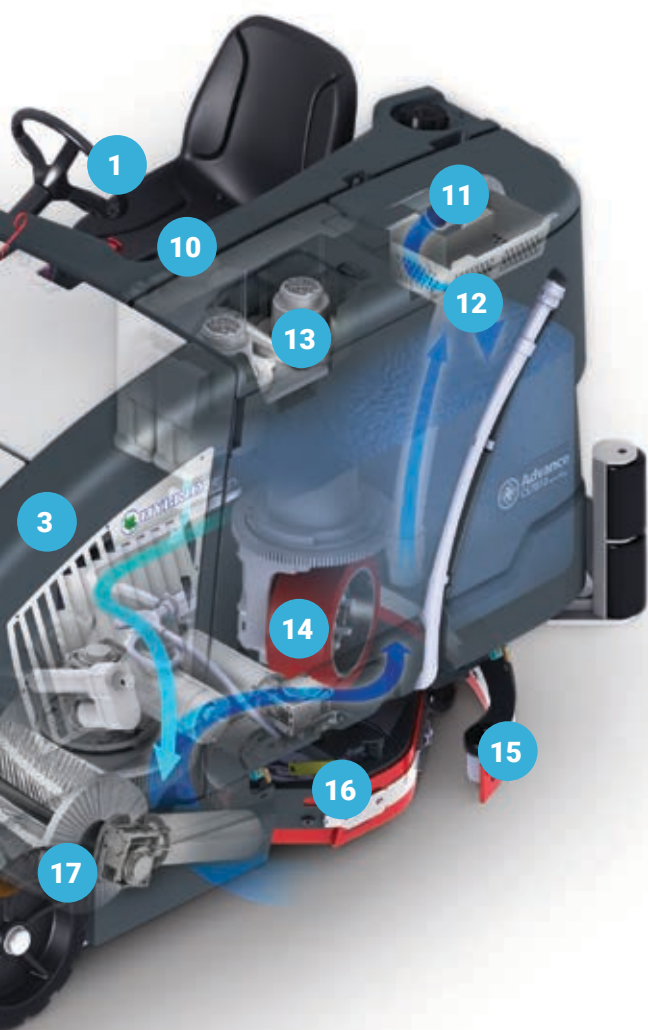
**NILFISK**

# 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 excellent run time, and can be fully recharged in 3-3.5 hours
- 4** High-capacity 198L front dry sweeper 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.*

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



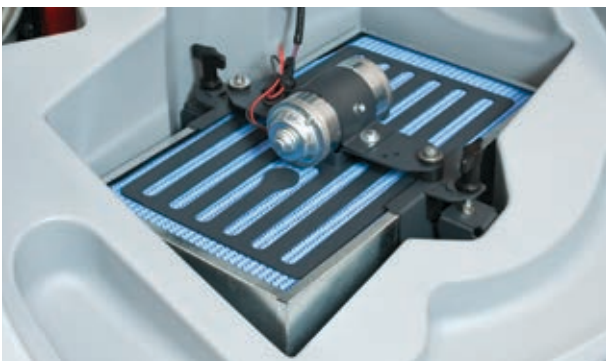
Intuitive controls with OneTouch™ operation reduce training time, improve productivity and deliver more consistent cleaning results.

### 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.

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Simpler cleaning

### Pivoting scrub deck



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

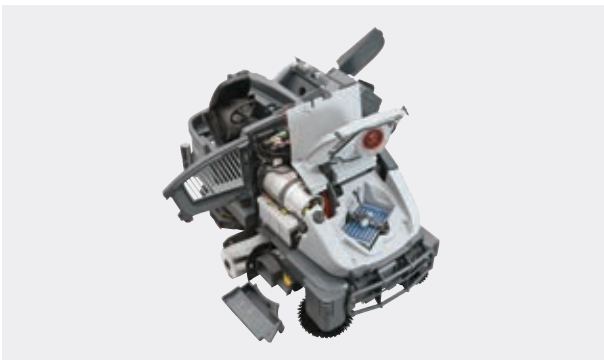
Safer cleaning

### 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<br>Electronically controlled electric drives for all sweeping and scrubbing functions<br>Electrically driven hydraulic power unit for hopper raise/lower functions |   |
| <b>Sweeping system</b>                       |   |   |
| Sweeping path w/dual side brooms             | 154 cm – Sweep 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<br>Variable frequency automatic filter shaker   |   |
| Hopper dump height (max.)                    | 152 cm  |   |
| Hopper capacity                              | 198 litre<br>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   |   |
| Squeegee width                               | 135 cm  |   |
| <b>Power and propulsion systems</b>          |   |   |
| Propulsion system                            | Battery: Li-Ion 38.6V/608A  |   |
| Estimated run time                           | Sweeping/Scrubbing <sup>(2)</sup>   | Up to 3.5 hrs with both functions operating on the highest scrub pressure setting |
| System drive                                 | Variable speed brushless A/C drive  |   |
| Propel speed (variable)                      | Transport<br>Sweeping/Scrubbing   | 8.9 km/h<br>8.9 km/h w/override capability  |
| Gradeability                                 | Transport @ Gross Weight<br>Scrubbing/Sweeping  | 17.6%<br>17.6%  |
| <b>Dimensions/Weight/Sound/Environmental</b> |   |   |
| Length                                       | 262 cm  |   |
| Width  | 122 cm  |   |
| Height                                       | 150 cm  |   |
| Minimum aisle turn                           | 264 cm  |   |
| Weight:                                      | GWW<br>Empty  | 2,343 kg<br>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> Estimated run time with both functions operating on the highest scrub pressure setting (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. 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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