

CS7010

Efficient large area cleaning at lower total cost

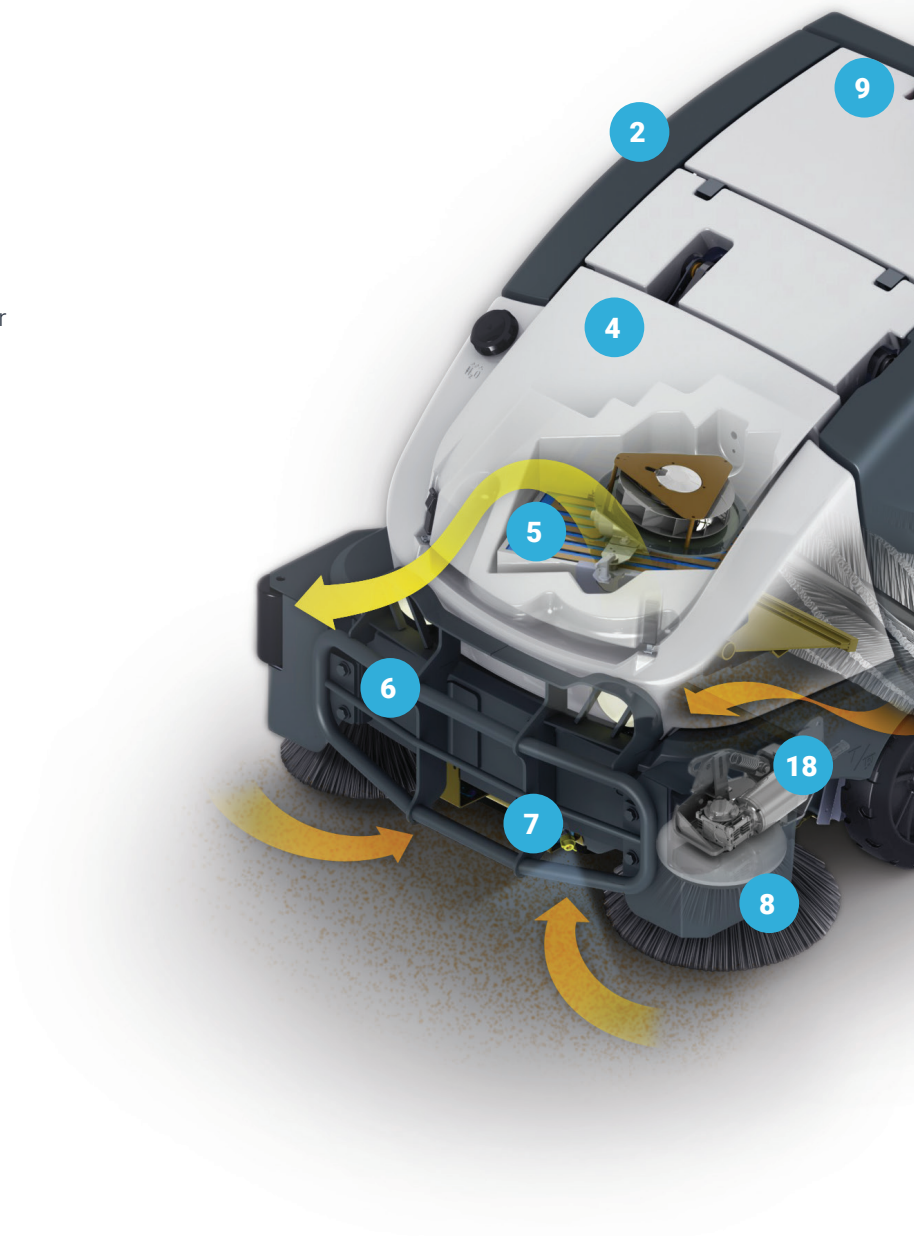


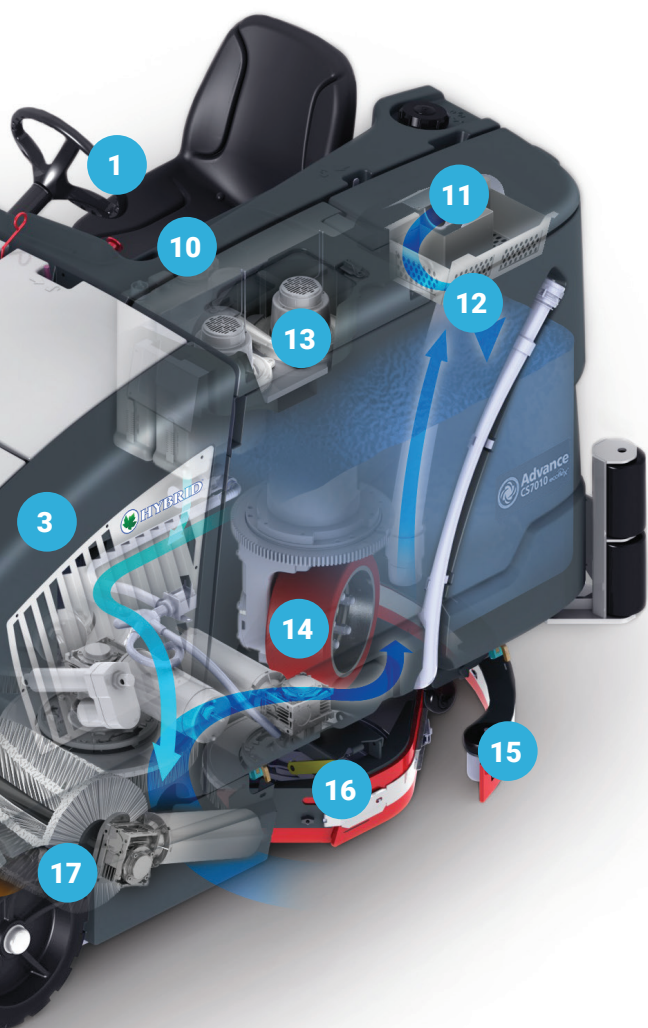
NILFISK

The CS7010 Hybrid and ePower combination sweeper-scrubbers

Suitable for warehouses, manufacturing plants, stadium, university, parking ramps and lots

- 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** Hybrid Drive backup battery power adds user convenience to drive to refueling station
- 4** High-capacity 198 liter 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 unibody frame
- 7** Available with patented DustGuard™ airborne dust suppression technology
- 8** Standard dual side brooms sweep entire squeegee path to minimize fouling
- 9** Seat-accessible hopper safety prop rod





- 10** Optional dual-tank EcoFlex™ System provides the most flexible cleaning solution for industrial applications
- 11** Tools-free tilt-out/lift-off recovery tank
- 12** High-capacity 285 liter 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

More effective cleaning

DustGuard™



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

HYBRID Technology



The CS7010 delivers unparalleled performance, while replacing power-hungry, high-maintenance hydraulic systems with efficient, state-of-the-art Electric Drive technology.

Intuitive Control Panel



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

EcoFlex™ System



EcoFlex™ System with interchangeable dual detergent cartridges are refillable with your favorite brand of detergents.

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.

Compatible with the modular Nilfisk Lithium-ion Battery

- Fast-charging capability: Go from 0 to 90% capacity in just 2 hour
- Modular performance: Increase runtime by up to 3x to match your needs
- Optimal uptime: Easy service with redundant, highly reliable battery modules
- Superior lifespan: Up to 7 years and 1500+ charge-discharge cycles
- IoT connectivity: Battery Management System tracks and logs performance



Simpler cleaning

Pivoting Scrub Deck



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

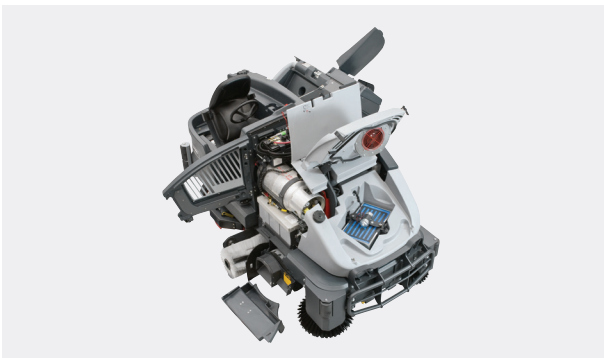
Safer cleaning

Speed reduction



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

MaxAccess™



We designed the CS7010 to provide quick access to all vital systems for easier inspection and maintenance.

Ergonomic operator compartment



The CS7010 has a fully adjustable seat and tilt steering.

Kubota
Power | **Reliability**

Kubota® Industrial Engine

- Rugged industrial engine design offering superior operating life
- Best in industry quiet operation
- Gear-driven valve train eliminates timing belts or chains, improving reliability and reducing maintenance costs

Technical specifications

Model	CS7010 Battery	CS7010 Li-ion	CS7010 LPG/Gas Hybrid	CS7010 Diesel Hybrid
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			
Sweeping System				
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	13,600 m ²			
Dust Control System	10,7 m ² Donaldson high-capacity PowerCore® UltraWeb® filter w/synthetic media. Variable frequency automatic filter shaker			
Hopper Dump Height (Max.)	152 cm			
Hopper Capacity	198 liter 136 kg			
DustGuard™ Tank Capacity ⁽¹⁾	110 liter			
Scrubbing and Recovery Systems				
Scrubbing Path and Brushes	165 cm – 3 x 43 cm disc			
Scrubbing Coverage Rate Per Hour	11,000 m ²			
Scrub Pressure	Three scrub pressure settings up to 182 kg of down force at maximum setting			
Recovery/Solution Tank Capacity	285 liter each			
Recovery Vacuum	Dual vac fan motors capable of 165 cm waterlift			
Power and Propulsion Systems				
Propulsion System	Battery: 36 V/770 Ah	Li-ion: 36V/504Ah-1008Ah	Kubota WG972: 3 cyl., 0,96 liter, 30 hp (22.0 kW)	Kubota D1305 ⁽³⁾ : 3 cyl., 1,26 liter, 29 hp (21.7 kW)
System napędu	Variable speed brushless A/C drive			
Propel Speed (Variable) Transport	8,9 km/h			
Sweeping/Scrubbing	5,6 km/h w/override capability			
Operational Run Time Sweeping/Scrubbing ⁽²⁾	5.4 hrs. w/770 Ah battery	4.2hrs. to 8.4hrs (with 12 to 24 nodules)	LPG – 5.5 hrs. w/14.5 kg tank Gas – 5.9 hrs. w/35 liter tank	15 hrs. w/35 liter tank
Gradeability Transport @ Gross Weight	21% (12 deg.)			
Scrubbing/Sweeping	17.6% (10 deg.)			
Dimensions/Weight/Sound/Environmental				
Length	262 cm			
Width	165 cm			
Height	[150 cm]	[208 cm std. overhead guard]	[201 cm low clearance overhead guard]	
Minimum Aisle Turn	264 cm			
Weight: GVW	2,593 kg	2,093 kg	2,121 kg	2,058 kg
Empty	2,124 kg	1,943 kg	1,649 kg	1,593 kg
Sound Level (IEC60335-2-72)	72 dB(A)	72 dB(A)	82 dB(A)	81 dB(A)
Water Ingression	All electric drive motors and actuators rated IP55 for water washdown			

Specifications are subject to change without notice.



⁽¹⁾ DustGuard™ optional

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

⁽³⁾ Meets EPA emission standards under 40 CFR 1039.625

CS7010 models shown in photos may feature optional accessories

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