

CS7010

# Efficient large area cleaning

- at lower total cost



# The CS7010 Hybrid and ePower combination sweeper

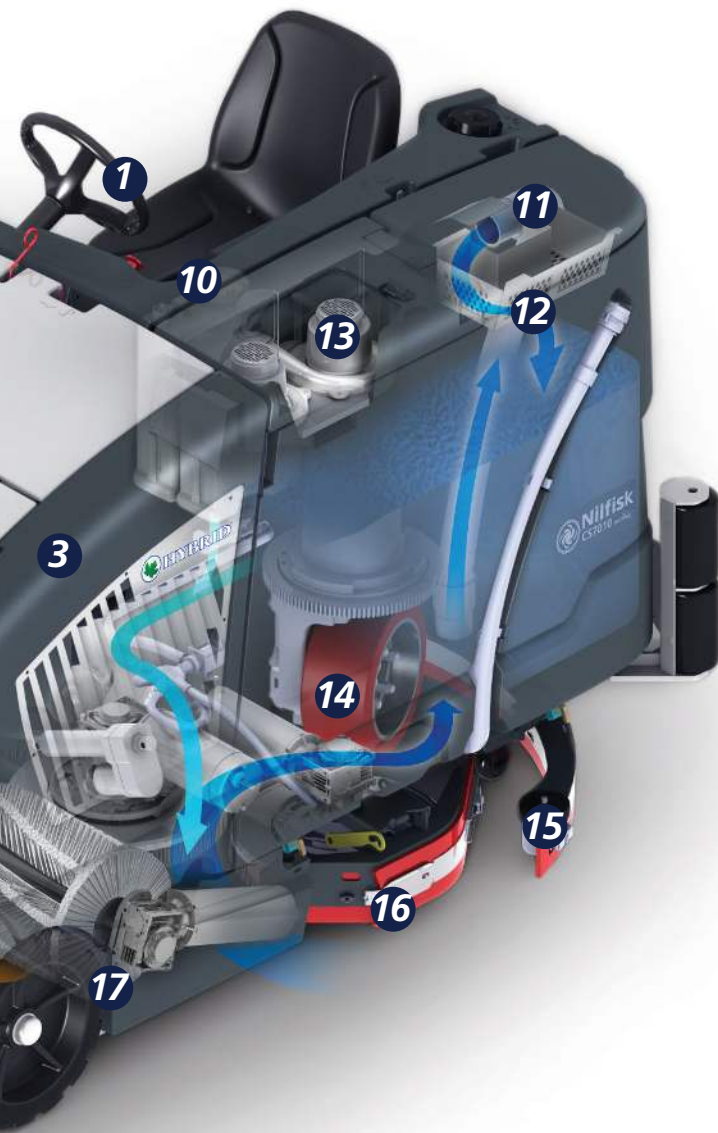
Suitable for warehouses, manufacturing plants, stadium, university, parking ramps and lots

- 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





# veeper-scrubbers



- 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™



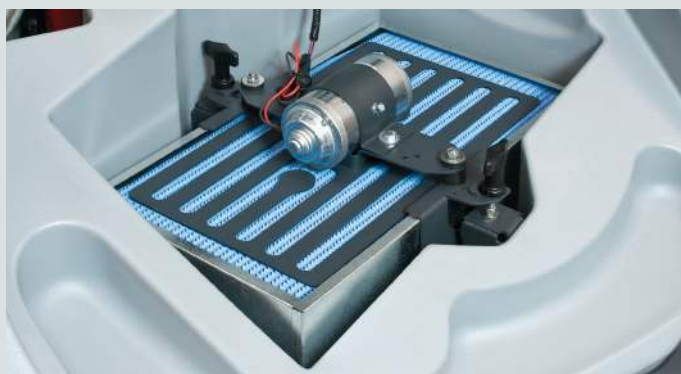
Patented DustGuard™ is proven to reduce airborne dust generated by side broom sweeping. An ultra fine fog suppresses fugitive dust

## 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

## 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

## 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



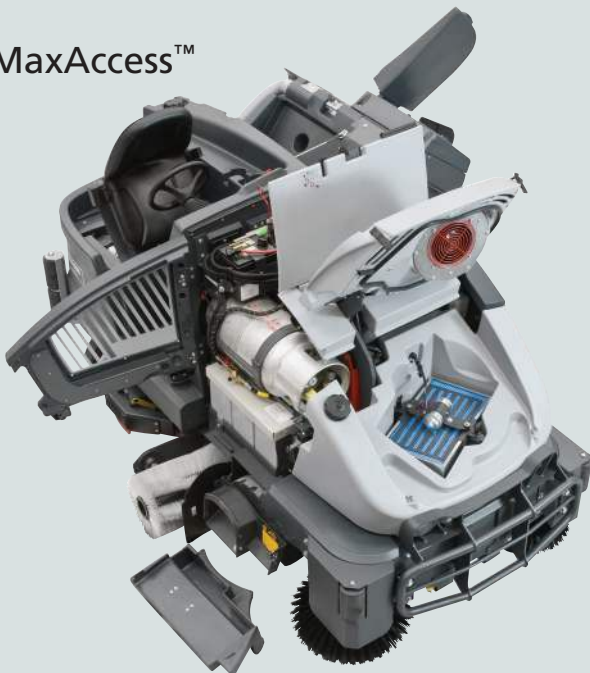
# Simpler cleaning

## Pivoting Scrub Deck



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

## MaxAccess™



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

# Safer cleaning

## Speed reduction



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

## 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

| Models  | CS7010 Battery  | CS7010 LPG/Gas Hybrid   | CS7010 Diesel Hybrid  |
|---|---|---|---|
| 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 |   |   |
| 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 <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   | 198 liter<br>136 kg   |   |   |
| DustGuard™ Tank Capacity <sup>1</sup>                       | 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 <sup>2</sup>   |   |   |
| 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                                |   |   |   |
| Power System  | Battery: 36 V/770 Ah  | Kubota WG972: 3 cyl., 0,96 liter<br>30 hp (22.0 kW)             | Kubota D1305 <sup>3</sup> : 3 cyl., 1,26 liter<br>29 hp (21.7 kW) |
| Propulsion System   | Variable speed brushless A/C drive  |   |   |
| Propel Speed (Variable) Transport<br>Sweeping/Scrubbing     | 8,9 km/h<br>5,6 km/h w/override capability  |   |   |
| Operational Run Time Sweeping/Scrubbing <sup>2</sup>        | 5.4 hrs. w/770 Ah battery   | LPG - 5.5 hrs. w/14.5 kg tank<br>Gas - 5.9 hrs. w/35 liter tank | 15 hrs. w/35 liter tank   |
| Gradeability Transport @ Gross Weight<br>Scrubbing/Sweeping | 21% (12 deg.)<br>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<br>Empty                                       | 2,593 kg<br>2,124 kg  | 2,121 kg<br>1,649 kg  | 2,058 kg<br>1,593 kg  |
| Sound Level (IEC60335-2-72)                                 | 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.



<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)

<sup>3</sup> Meets EPA emission standards under 40 CFR 1039.625

CS7010 models shown in photos may feature optional accessories

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