

# Proterra™

Rider Sweeper





# Simple, productive, comfortable, reliable with incredible dust control.

The Advance Proterra™ is the ideal solution for industrial sweeping applications from factories to warehouses, parking garages to foundries and many more. The unique design makes fast work of sweeping a facility with its large cleaning path, excellent maneuverability and high capacity hopper. An ergonomic operator interface and the unique Clear-View™ sight line of critical sweep areas ensures hours of safe and comfortable sweeping.

The Advance Proterra comes equipped with DustGuard™\*, part of the DustClear™ Five-stage Dust Control System. Unlike conventional mechanical broom sweeper technology, DustGuard addresses dust at its greatest source – the side brooms – through a fine “fog” that is applied to suppress the dust. The result is a dust controlled sweep path that is 75% more productive than its nearest competitor.

With superior dust control, innovative safety features, low maintenance costs, ease of operation and increased productivity, the Advance Proterra is the ideal solution for addressing your industrial sweeping needs.

\*Optional feature



Variable dump height of up to 62 inches allows fast and simple disposal of swept debris.

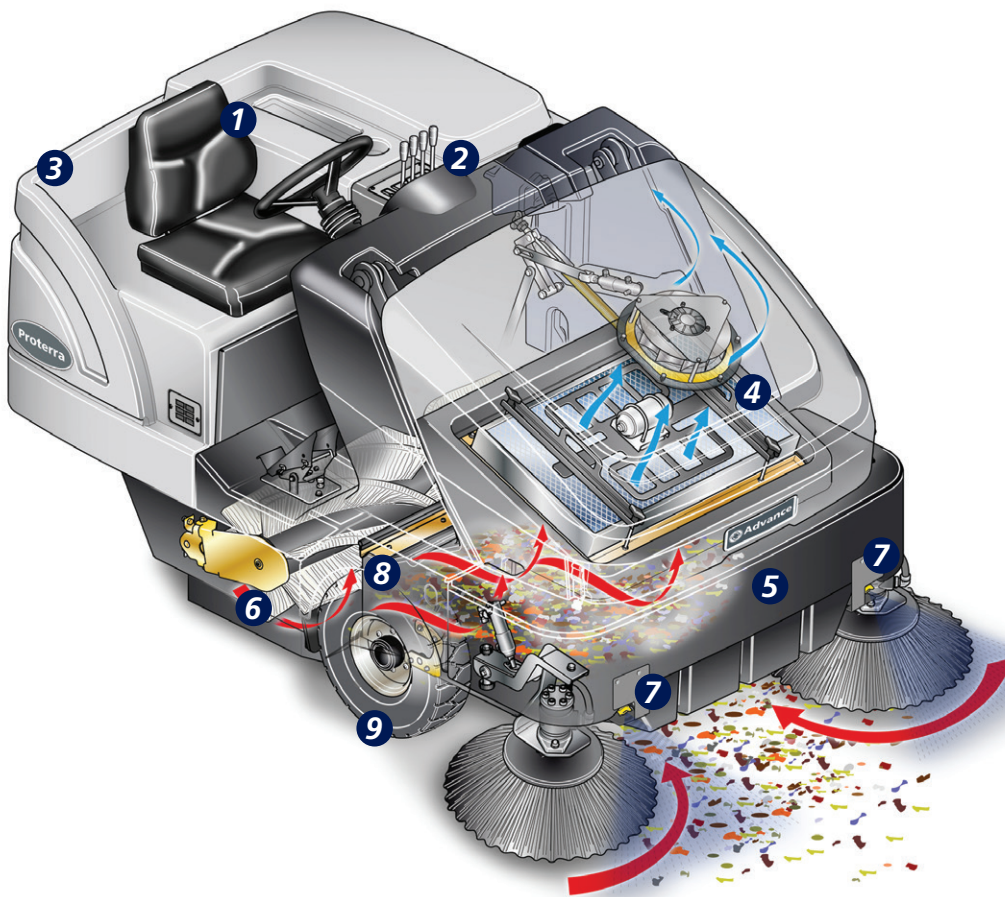


Ergonomic operator interface uses Analog-logic™ which allows a single operator motion to lower and activate the main broom and side brooms and open the hopper door.



Optional soft sided cab provides increased operator safety and comfort.





- 1** Large ergonomic operator comfort-zone. Clear-View™ sight lines increase operator comfort and safety
- 2** Analog-logic™ provides intuitive, single motion activation of the sweep system
- 3** LP Engine power from Kubota. Also available with battery power
- 4** DustClear™ Five Stage Dust Control System minimizes fugitive dust
- 5** Rust-proof structural roto-molded hoper with integrated 5 mph bumper extends machine life
- 6** Wide 35.5 inch main broom automatically adjusts broom pressure as the broom wears
- 7** DustGuard™ attacks and controls dust at the side brooms for 64 inches of dust controlled sweeping
- 8** Tailgate style hopper door captures debris better due to shallow sweep angle, and packs in debris when closing
- 9** Comfort ride large pneumatic tires increase operator comfort by reducing jarring on rough surfaces

**Warehouses    Manufacturing Facilities**  
**Transportation Facilities    Construction Cleanup**  
**Indoor and Outdoor Parking    Entertainment Facilities**



DustGuard™ suppresses airborne fugitive dust where most dust is generated – at the side brooms.



MaxAccess™ allows faster repairs and less downtime so the sweeper spends less time in the shop and more time sweeping.



Patent pending Liberator™ Variable Frequency Filter Shaker System removes dust more effectively from the panel filter, resulting in better air flow and dust control.

## Technical Specifications

Models	Proterra™ Engine	Proterra™ Battery
<b>Sweeping System</b>		
Cleaning Path – Single Side Broom	51 in (128 cm)	
Cleaning Path – Dual Side Broom	64 in (162 cm)	
Main Broom Length	35.5 in (90 cm)	
Side Broom Diameter	21.7 in (55 cm)	
<b>Debris Hopper</b>		
Volume	11 ft <sup>3</sup> (315 L)	
Dump Height	62 in (159 cm)	
<b>DustClear™ Five Stage Dust Control System</b>		
Stage 1 DustGuard™ (optional)	Side broom “fog” system 12 gal (45 L)	
Stage 2 Vacuumized Main Broom Chamber	Captures all dust kicked up from main broom	
Stage 3 Airflow Labyrinth	Removes 90% of dust from the air stream	
Stage 4 Ultra-Web® Nanofiber Filter	> 98% efficient on 0.3 - 1.0 micron particles	
Stage 5 Airflow Restoration System	Liberator™ variable frequency shaker system	
<b>Power System</b>		
Engine	LP - Kubota DF972, 3 cylinder, 31.0 hp	48 V, electric over hydraulic design 400 Ah C6 battery system
Ramp Climbing	20%, 11°	17%, 9.6°
<b>Dimensions</b>		
Tires		
Front	17.5 in (44 cm) .8 ply	
Rear	16.5 in (42 cm) .8 ply	
Aisle U-Turn	120 in (306 cm)	
Length	87.4 in (222 cm)	
Width	52 in (132 cm)	
Height	57.5 in (146 cm)	
Height with OHG	79 in (200 cm)	
Net Weight	2,083 lb (945 kg)	3,140 lb (1,425 kg) with battery
Sound Level	87 dB A at operator ear	
Nationally Recognized Test Lab Certification	ETL	ETL

Specifications are subject to change without notice.



## Accessories and Options

- DustGuard™ side broom dust control system
- Left hand side broom
- Backup alarm
- Front headlights
- Suspension seat
- Front and rear bumper guards
- Tilt steering
- Overhead guard
- Amber strobe light
- Soft sided cab

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## Features and Benefits

### Unique, DustClear™ Five Stage Dust Control System –

- 1.) DustGuard™ at the side brooms, 2.) Vacuumized Main Broom Chamber, 3.) Airflow Labyrinth, 4.) Nanofiber Technology Dust Filter, and 5.) Airflow Restoration System with Liberator™ variable frequency filter shaker.

**MaxAccess™** – Minimizes downtime and maximizes efficiency, reliability and longevity through quick and easy access to all engine and hydraulic components.

**Easy To Operate** – Set-’N-Forget™ main broom linkage allows you to set the main broom sweep pressure once for an application and not have to adjust it as the broom wears. Analog-logic™ controls simplify operation and reduce training time.

**Clear-View™** – Offset hopper allows the operator to view the side broom and the area in front of the sweeper without having to lean outside the frame of the machine, making it safe and comfortable to use.

**Operator Safety** – Hopper safety arm is controlled from the operator’s compartment. Operator is safe from moving parts through tip-back engine cover. Impact-absorbing body structure and 5 mph bumper provide the ultimate in operator safety.

## Smart cleaning.

Our products are designed using innovative technologies that increase productivity and drive down the cost to clean.

Maintain peak performance with Nilfisk Parts.

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