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Proterra™

Rider Sweeper



Smart cleaning.

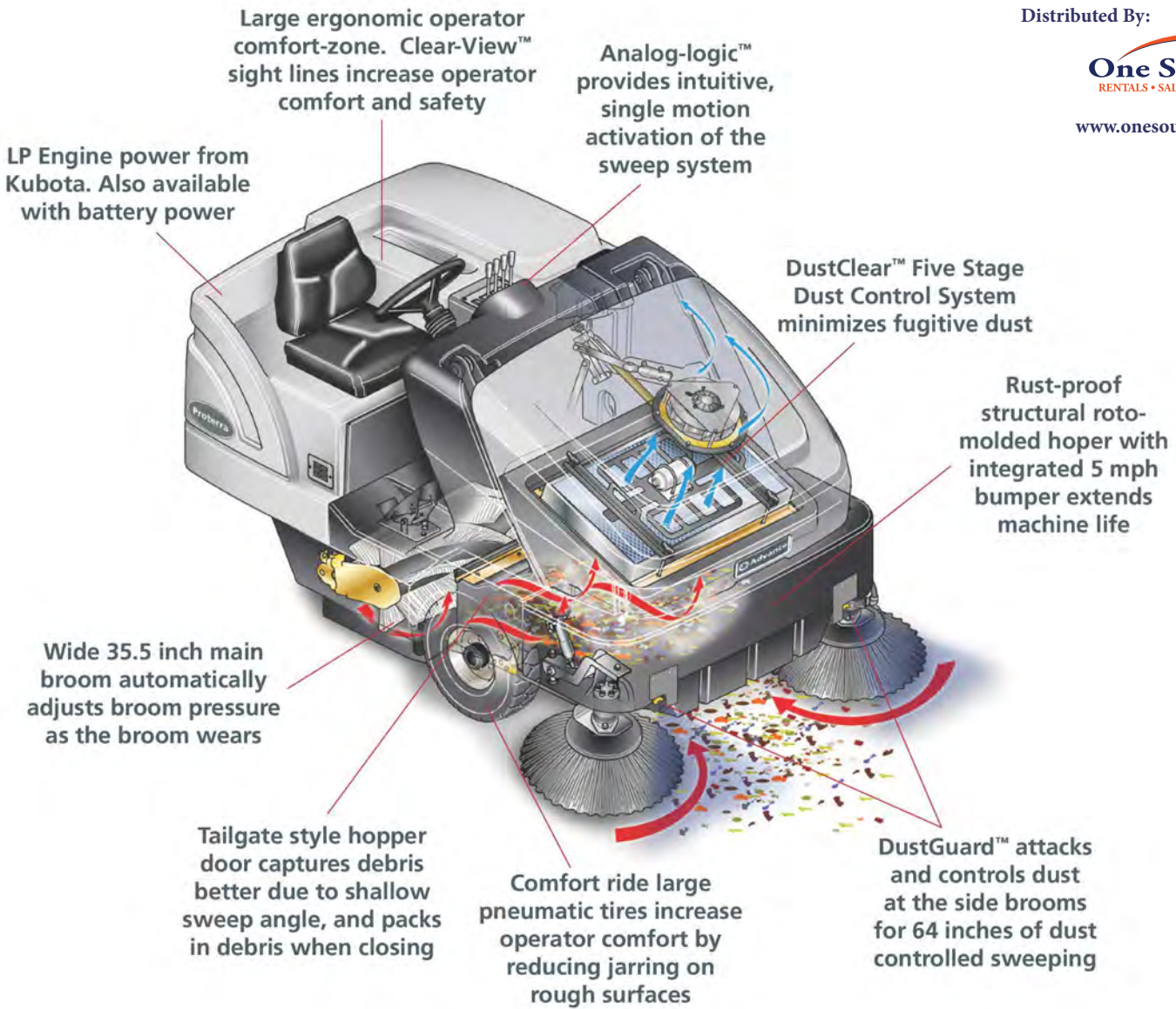
A Nilfisk-Advance Brand



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



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

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



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.



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

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.



Technical Specifications

Models	Proterra™ Engine	Proterra™ Battery
Sweeping System		
Cleaning Path – Single Side Broom	51 in (128 cm)	51 in (128 cm)
Cleaning Path – Dual Side Broom	64 in (162 cm)	64 in (162 cm)
Main Broom Length	35.5 in (90 cm)	35.5 in (90 cm)
Side Broom Diameter	21.7 in (55 cm)	21.7 in (55 cm)
Debris Hopper		
Volume	11 ft ³ (315 L)	11 ft ³ (315 L)
Dump Height	62 in (159 cm)	62 in (159 cm)
DustClear™ Five Stage Dust Control System		
Stage 1 DustGuard™ (optional)	Side broom “fog” system 12 gal (45 L)	Side broom “fog” system 12 gal (45 L)
Stage 2 Vacuumized Main Broom Chamber	Captures all dust kicked up from main broom	Captures all dust kicked up from main broom
Stage 3 Airflow Labyrinth	Removes 90% of dust from the air stream	Removes 90% of dust from the air stream
Stage 4 Ultra-Web® Nanofiber Filter	> 98% efficient on 0.3 - 1.0 micron particles	> 98% efficient on 0.3 - 1.0 micron particles
Stage 5 Airflow Restoration System	Liberator™ variable frequency shaker system	Liberator™ variable frequency shaker system
Power System		
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°
Dimensions		
Tires		
Front (2)	17.5 in (44 cm) .8 ply	17.5 in (44 cm) .8 ply
Rear	16.5 in (42 cm) .8 ply	16.5 in (42 cm) .8 ply
Aisle U-Turn	120 in (306 cm)	120 in (306 cm)
Length	87.4 in (222 cm)	87.4 in (222 cm)
Width	52 in (132 cm)	52 in (132 cm)
Height	57.5 in (146 cm)	57.5 in (146 cm)
Height with OHG	79 in (200 cm)	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.

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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 – Provides increased operator safety and comfort



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