

Advance RS 850™

Compact Vacuum Sweeper



FACT SHEET



Advance RS 850™ expertly cleans any paved surface

The powerful and reliable RS 850™ vacuum sweeper by Advance helps every outdoor facility manager or director of maintenance/operations maintain a clean, safe and attractive outdoor environment. Using proven technology, the RS 850 produces an air flow unmatched in its class to suction up fine particles, as well as high concentrations of debris—such as large rocks, bottles, litter and leaves.

Cleans any outdoor setting

The Advance RS 850™ vacuum sweeper is powered by a 65 hp diesel engine and easily maneuvers over any city, urban or campus area. With its durable construction and outstanding features – such as rear-steering and multiple brooms – this unit can easily handle surface irregularities and grade changes, plus other outdoor challenges

Increase Your Cleaning Productivity

The Advance RS 850™ outdoor rider sweeper boasts an impressive 63 inch sweep path, which increases up to 83 inches when the optional third broom is in operation. This three-broom combination ensures cleanliness down to the very edge. It also allows operators the versatility to reach a variety of outdoor areas that other units can't reach, including cleaning around obstructions by simply adjusting the third broom to various heights. Plus the unit contains replaceable side brushes, which provide ease of use and minimal downtime. The side brushes move debris inward, allowing the operator to sweep close to curbs and walls on either side of the machine

Top-draw™ design boosts cleaning results

The top-draw design of this unit contains a high-performance vacuum fan which is located above the hopper. This top-draw system produces powerful suction and airflow, while simultaneously preventing damage to the propeller. The powerful center suction head channels and concentrates the vacuum air flow to capture debris, including fine particles. In addition, an operator-controlled hydraulic door between the front tires captures large debris such as bottles and rocks.

Unique Curb-Hugger™ Design

The unique curb-hugger rear-steering and tight turning radius of the RS 850™ vacuum sweeper allow it to hug curbs when maneuvering around sharp corners and curbs, which means no missed debris and better overall cleaning results. The unit also expertly negotiates uneven terrain with its 18% grade climbing capability.

STANDARD FEATURES INCLUDE

- 65 hp diesel engine
- One large water tank
- Two side brushes
- Three-stage dust suppression system
- Simple and intuitive operator controls
- All-tempered glass operator cab
- Rear steering with rear pivoting axle
- 30 cubic feet capacity high dump stainless steel debris hopper
- 63 inch sweeping path (up to 83 inch sweep path when 3rd broom is in operation)
- Rear bumper
- Head and tail lights for night cleanup

TYPICAL APPLICATIONS INCLUDE

- Corporate or college & university campuses
- Municipalities
- Amusement/entertainment
- Transportation or parking areas

OPTIONAL EQUIPMENT

- Third Broom
- Vacuum Hose
- Air Conditioning
- High-pressure Washer
- Seat Belt
- Snow Brush
- Salt Spreader
- Safety Video Camera for Front and Rear Viewing

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High pressure cleaning can be added as an option to all models in this range.



The RS 850 offers a snow broom, snow thrower and salt spreader as perfect options to combat winter weather.



A vacuum hose for quick removal of dirt piles and leaves is an option that provides cleaning flexibility on all models in this range.



The third broom provides the ability to clean on two different planes simultaneously. The result is real versatility with outstanding cleaning results.

Unlike other outdoor rider vacuum sweepers, the RS 850 vacuum fan channels debris in one pass without the debris passing through the fan.

A stainless steel high dump hopper holds a maximum of 30 cubic feet of debris and reaches heights up to 63 inches, for effortless emptying into almost any compactor, dumpster or bin.

Unique rear-steering and tight turning radius allows the machine to hug curbs, which means no missed debris.

An 65 hp diesel engine carries the machine over challenging surface variations and up climbing grades of up to 18%.

Tempered full-length glass in the operator cab provides a safe view of car and foot traffic and the surrounding environment. An optional camera is available on the RS 850 so the operator can see underneath and behind the machine.

An 83 inch sweeping path provides the ability to clean on two different plains simultaneously.

Side brushes channel debris inward, allowing the operator to sweep close to curbs and walls on either side of the machine.

Effective three stage dust suppression system utilizes the two side brooms and water in unison, by spraying water at the side brushes and vacuum head to knock down the amount of airborne dust, and a metal screen within the hopper prevents the water-laden dust from escaping the hopper.

Unmatched in its class, the powerful suction of this vacuum sweeper captures heavy dirt and debris.

- Our products are designed using innovative technology that increases productivity and drives down the cost to clean.
- You can get expert service and maintenance for your Advance machines from factory-trained personnel around the world. Fast parts delivery, too.
- Maintain peak performance with Advance Genuine OEM Parts.

Nilfisk Genuine OEM Parts

Technical Specifications

Model	RS 850
Cleaning Path	63 in
Cleaning Path w/ 3rd brush	83 in
Third Brush Diameter	30.7 in
Hopper Capacity	1.1 yd ³ / 30 ft ³
Hopper Construction	Stainless Steel
Maximum Dumping Height	63 in
Water Tank Capacity	63 gal
Steering	Rear-Power
Maximum Speed	Variable to 15 mph
Minimum U-turn, Wall to Wall	241 in
Minimum U-turn, Curb to Curb	229 in
Operator View of Cleaning Head	Mirror with Optional Camera
Transmission	Fully Hydrostatic to motors on front wheels
Side Brush Diameter	25.6 in
Engine / HP / RPM / Cylinders	Diesel, 64.4 hp @ 2,600 RPM, 3 cyl
Engine Manufacturer / Model	Detroit Diesel/VM Motori VM 703TE2
Fuel Tank Capacity	20 gal
Max. Climbing Grade	18% / 10.5 degree
Length - Frame	131 in
Width - Frame	57 in
Height - Frame	90.2 in
Weight Empty	4,012 lb
Max Operating Weight with Operator	8,267 lb
Airflow	700 ft ³ /sec
Suction Tube Diameter	7 in
Maximum Theoretical Production Rates at 6.5 mph	237,470 ft ³ /hr
Vacuum System	Hydraulically driven vac fan located at the top of hopper, not in the waste stream
Dust Suppression	Three stage: water curtain at brushes, and in pipe plus screens in the hopper

Specifications are subject to change without notice.



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Printed in U.S.A., Form L1931A, 9-08