

Advance RS 501™

Compact Vacuum Sweeper



FACT SHEET



Advance RS 501™ – The compact, powerful outdoor rider vacuum sweeper.

There's no need to manually pick-up litter when you can ride a compact vacuum sweeper instead. The RS 501 rider vacuum sweeper is easy to maneuver and operate, and uses proven technology of more than 10 years. The powerful RS 501 vacuum sweeper removes dust, sand, rock salt, litter, leaves, rocks and debris from public pedestrian areas such as streets, sidewalks and parking lots.

Cleans any paved outdoor environment

The RS 501 vacuum sweeper is powered by a 44.2 hp diesel engine that propels the machine on a 65 inch sweep path, and provides unsurpassed suction power. Dual side brooms provide excellent edge cleaning. The vacuum sweeper can climb up to a 22% grade and climb curbs with ease.

The compact design and versatility of the RS 501 vacuum sweeper enables it to patrol large outdoor parking areas as well as congested areas such as sidewalks and bike paths.

Unique rear steering increases cleaning productivity

The rear-steering and tight turning radius of the RS 501 vacuum sweeper allows the machine to hug curbs when maneuvering around obstructions and sharp corners. This means no missed debris and much easier for the operator to maneuver.

The most powerful suction in its class

A large hydraulic vacuum fan at the top of the hopper generates the powerful suction of the RS 501 vacuum sweeper. Air is moved through the machine in excess of 125 mph, equivalent to the power of a category III hurricane. The rugged suction head channels and concentrates the vacuum air flow to capture large bulky debris, as well as fine particles.

Multi task machine

The RS 501 can clean areas too tight for the machine with the manual rear vac hose. Onboard high pressure washer system can loosen up ground in debris and can help clean up the machine after use.

STANDARD FEATURES INCLUDE

- 44.2 hp diesel engine
- Two large water tanks for dust suppression
- Two side brushes
- Three stage dust suppression system
- Simple and intuitive operator controls
- Rear Vacuum Hose
- High-pressure Washer
- Air Conditioning
- Seat Belt
- All-tempered glass operator cab
- Rear-power steering with rear pivoting axle
- 17.7 cubic foot capacity stainless steel debris hopper with 57 inch dump height
- 65 inch sweeping path
- Rear Bumper
- Head and tail lights for night cleaning
- Maintenance Tracking System (MTS)

TYPICAL APPLICATIONS INCLUDE

- Campus settings
- Municipalities
- Transportation facilities
- Amusement/entertainment
- Cleaning contractors
- Government/GSA federal, state, and local

OPTIONAL EQUIPMENT

- Rear View Camera System

Advance RS 501™

Compact Vacuum Sweeper



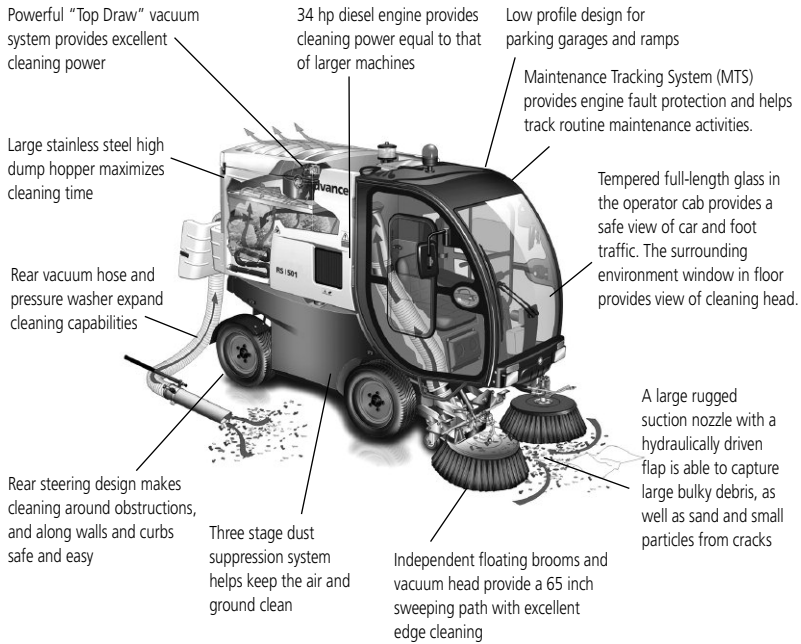
Low clearance design is ideal for parking garages.



Rear steering makes cleaning around obstructions easy, safe and efficient.



Quickly and easily cleans high volumes of litter and debris from large open areas.



- 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 Nilfisk Genuine OEM Parts.

Nilfisk Genuine OEM Parts

Technical Specifications

Model	RS 501™
Cleaning Path	65 in
Hopper Capacity Volumetric	1 yd ³ / 27 ft ³
Debris Capacity	0.65 yd ³ / 17.7 ft ³
Hopper Construction	Stainless Steel
Maximum Dumping Height	54.3 in
Water Tank Capacity	63 gal
Steering	Rear with power assist
Maximum Speed	Variable to 12.5 mph
Minimum U-turn, Wall to Wall	197 in
Minimum U-turn, Curb to Curb	184 in
Operator View of Cleaning Head	Direct sight line through glass floor
Transmission	Fully Hydrostatic to motors on front wheels.
Side Brush Diameter	28.3 in
Engine Fuel / HP / Cylinders	Diesel, 44.2 hp @ 3,000 RPM, 4 cyl
Engine Manufacturer / Model	Kubota V1505T, Turbo
	Complies with EPA interim tier IV emissions regulations
Fuel Tank Capacity	8 gal
Chassis	Purpose built – welded frame, painted for corrosion protection.
Maximum Climbing Grade	22% / 12.4 degree
Length - Frame	116 in
Width - Frame	51 in
Height - Frame	78 in – accessible to most parking ramps
Weight Empty	3,748 lb
Max Operating Weight	4,916 lb
Vacuum Air Speed	In excess of 125 mph – Equivalent to category III hurricane force winds.
Suction Tube Diameter	7 in
Maximum Theoretical Production	186,000 ft ² /hr
Rates at 6.5 mph	
Vacuum System	Hydraulically driven vac fan located at the top of hopper for maximum air flow until hopper is full. Debris does not pass through fan.
Dust Suppression	Three stage: water curtain at brooms and in vacuum head, plus stainless steel screens and deflection plate in the hopper.
Pressure Washer	Variable to 3000 psi pressure with self retracting 25 ft hose.
Rear Vacuum Hose	137 in length with 4.5 in diameter
Enclosed Cab	Tempered glass. Includes heater and air conditioner.

Specifications are subject to change without notice.



14600 21st Avenue North
Plymouth, MN 55447-3408
www.advance-us.com
Phone: 866-429-8175
Fax: 800-989-6566

240 Superior Boulevard
Mississauga, Ontario, Canada L5T 2L2
www.nilfisk-advance.com
Phone: 905-564-1149 or 800-668-8400
Fax: 905-564-1030 or 800-263-5111



recyclable

©2009, Nilfisk-Advance, Inc.,
Printed in U.S.A., Form L1861A, 12-09