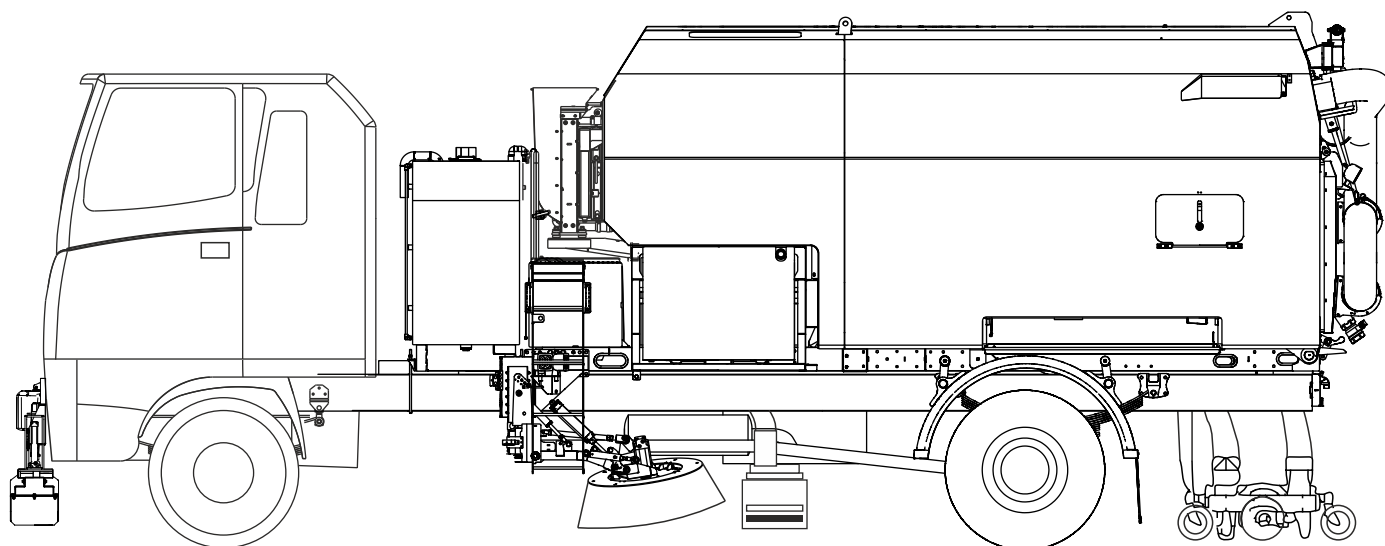




ADDING VALUE

HIGH SPEED RUNWAY SWEEPER

RS-RW9500E



For High Performance Sweeping

TECHNICAL SPECIFICATION

AUXILIARY ENGINE

Manufacturer	- Volvo
Model	- TAD 872 VE
Engine Type	- 6 Cylinder (Direct Injection)
Horsepower	- 286 hp @ 2200 rpm
Net Torque (Max)	- 1160 Nm
Air Cleaner	- Spin on dual filter
Oil Filter	- Full flow cartridge insert type
Safety Shutdown	- Cooling water temperature and Engine oil pressure

BLOWER FAN

Type	- Centrifugal fan
Construction	- Welded mild steel-hardox vanes
Bearings	- 2 sealed bearing units
Shaft	- 50 mm dia
Housing	- Modular with replaceable inner
Drive	- 5V Single Belt-Quad Power 4
Certification	- 20,000 CFM

SWEEPER BODY

Hopper	- Heavy gauge stainless steel
Thickness	- 4 mm
Construction	- Welded stainless steel
Volumetric Capacity	- 10 cubic meters
Usable Capacity	- 9.5 cubic meters
Dumping Methods	- Rear door dump
Dump Angle	- 52 deg
Dump Door	- 1800 mm self locking hydraulic Fingers
Dump Height	- 1100 mm
Hopper Screen	- 18280 sq.cm
Inspection Doors	- 2 nos, one each side of hopper

SWEEPER HEAD

Type	- Installed at the back of the hopper
Side Blowing Pipe	- LH, RH and in front rear axle
Function	- Full width suction nozzle
Dimensions	- 250 mm diameter on both side
Broom Size	- 400mm x 2300mm (Polypropylene)
Blast Orifice	- Lateral side air blasts constructed of mild steel, with height adjustment control from cab, to rotate 360 , electric actuated diverters for left or right side operations and should have independent On/Off facility.
Suspension	- Yes
Suction Hose	- 250 mm
Blast Hose	- 200 mm
Pressure Bleeder	- Electric, In-cab
Safety Position	- Yes
Raise & Lower	- Hydraulic cylinder

GUTTER BROOMS

Type	- Trailing arm design
Drive	- Hydraulic drive variable speed
Adjustment	- Adjustable for down pressure And wear
Lifting	- Hydraulic
Down Pressure	- Pneumatic
Flexibility	- All directions
Diameter/Material	- 1000 mm, steel or pp
Tilt Adjustment	- Electric, In-cab

HYDRAULIC SYSTEM

Drive	- Direct drive with gear pump
Pump Type	- Fixed displacement gear pump
Reservoir	- 70 liter
Filtration	- 10 micron, spin-on
Pressure (Max)	- 180 bar

WATER TANK & DUST CONTROL

Pump	- Hardi pump for LP, Annovi for HP
Capacity	- 2000 Litres
Filter	- 80 mesh
Low water shut off	- Indication and buzzer, In-Cab
Spray bar	- Under the chassis - Front

SPRAY NOZZLES

Pick Up Head	- 2 inside
Gutter Brooms	- 1 Each - Twin nozzle per side
Hopper	- 5 Inside
Front Spray Bar	- 7 Nos
Main Broom	- 4 Inside

CONTROLS

Gauges	- In-Cab
Sweeping Control	- In-Cab
Shutdown System	- 3 Point (LLOP, HWT, Coolant Temp)

STEERING

Steering	- Single
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SWEEPING WIDTH

Pick Up Head Only	- 2300 mm
With 1 Gutter Broom	- 2900 mm
With 2 Gutter Brooms	- 3500 mm

INSTRUMENTATION

Sweeper Engine	- Tachometer, Hourmeter, Voltmeter
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OPTIONS

- CCTV Cameras (Rear, Left & Right)
- Reverse Beep, Rear Directional Arrow Bars
- Wander Hose Dia 200mm, Length 3000mm
- High Pressure Gun & Hose, 15m with Reel
- Magnet Bar Length 2400mm (2270mm length)-Front Mounted Raise & Lower (not less than 120 mm)
- Beacon Light - LED

Roots reserves the right to make any changes considered necessary for the purposes of improvement at any time or for any reason without prior notice, in line with its policy of continuous product development and progress.

Our Product Range - Sweepers, Scrubber-Driers, Vacuum Cleaners, Single Disc Scrubbers, Mini Floor Washers, High Pressure Water Jet Cleaners, City Sweepers, Bins, Mops & Trolleys.



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