

# ROOTS RSR6000E

## Road Sweeper



Regenerative type, Truck Mounted Sweeper  
with capacity of 6 cubic meters and above.

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to Service

# ROOTS RSR6000E ROAD SWEEPER

## Technical Specification

### Auxiliary Engine

Model	: 4BT 3.9
Induction System	: Turbo
Manufacturer	: Cummins
Cooling System	: Liquid Cooled
Oil Filter	: Spin-on
Air Cleaner	: Dry Type
Starter	: 24 Volts
Alternator	: 24 Volts, 55 Amps
Battery	: 24 Volts, 80 Ah
Safety Shutdown	: Automatic

### Sound Suppression System

#### Option

Manufacturer	: Cummins
Model	: QSB 4.5
Displacement	: 4500 cc
Horsepower	: 128hp@2000RPM
Net Torque	: 546Nm@1400 RPM
Air Cleaner	: Dual Element with Restriction Indicator
Oil Filter	: Spin On, Full Flow
Safety shutdown	: Cooling water temperature and Engine Oil Pressure

### Suction Fan

Type	: Centrifugal Fan
Drive	: 3 XPB Section V Belt
No. of Blades	: 10
Diameter	: 810 mm
Mounting	: 2 Sealed Bearing Units
Construction	: Welded Steel Blades

### Suction Fan Casing

Construction	: Welded Mild Steel
Liner	: Replaceable Rubber
Vacuum Enhancer	: for Light/Heavy Material

### Debris Hopper

Capacity	: 6 Cubic Meters
Construction	: Heavy Gauge Stainless Steel
Dumping	: Hydraulic
Inspection Doors	: One Each Side of Hopper
Dumping Controls	: In Cab
Dumping Height	: 1100 mm
Dumping Tilt Angle	: 52 degrees
Interior Finish	: Natural Stainless Steel
Exterior Finish	: Painted, White
Wander Hose/Nozzle	: $\Phi$ 200mm * 4000 mm Length

### Sweeper Head

Type	: Dual Chamber Full Width Blast Orifice
Operating Direction	: Forward / Reverse
Suspension	: Adjustable Spring Balance
Full Width	: 2030 mm
Suction Hose Diameter	: 350 mm
Blast Hose Diameter	: 350 mm
Hose Construction	: Reinforced Moulded Rubber Mild Steel
Skids	: with Tungsten Carbide Inserts, double width
Controls	: Hydraulic Raise & Lower
Full Width	: Adjustable Front Skirt
Sweep Head Area	: 12,700 sq.cm
Front Flap	: Hydraulic open/Close

### Gutter Brooms

Type	: 4 Segment Steel Tined
Diameter	: 1000 mm
Drive	: Hydraulic Motor
Speed	: Variable Non-Reversing
Tilt Adjustment	: Electric In-Cab
No	: Two

### Dust Control

Water	: 1000 Litres
Tank Construction	: Polyethylene
Fill Diameter	: 50 mm(pipe) /100 mm (tank opening)
Controls	: Electric In-Cab

### Hydraulic System

Type	: Gear Pump
Fluid Capacity	: 70 Litres
Drive	: Direct Drive
Filter	: 10 micron Spin-on
Strainer	: 80 mesh

### Electrical System

Display	: 3.5"
Outputs	: Solidstate/ Relay
Protection	: Fuse
Controls	: 24 Volts

### Lights

Side Brush	: 1 Unit Each Side
Rear Door	: 2 Units
Aux Engine Bay	: 1 Unit

### Sweeping Width

With Dual Brooms	: 3300 mm
With One Broom	: 2650 mm
With Suction Head	: 2030 mm

Overall Dimensions : Height : 3090mm Width : 2400mm Empty Weight : 8000 Kgs Length : 6780mm.

Note: Overall Dimension will be vary according to th Truck Models

Options: CCTV Cameras (Rear, Left & Right), Reverse Beep, Rear Directional Arrow Bars, Wander Hose dia 200mm, Length 3000mm, High Pressure gun and hose, Magnet bar.

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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