



Road Sweeper Roots RSR 6000 S

Technology Regenerative Air System

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Dimension & Chassis

- GVW: ±16,000 kg
- Wheelbase: 4,330 mm

Debris Hopper

- Capacity: 6 cubic metres
- Construction: 3 mm – SS 409 & MS
- Dumping: Hydraulic
- Inspection Doors: One each side of hopper
- Inspection Door Size (Cutout): 480 x 240 mm (Current domestic)
- Inspection Door (Ground to door bottom): 2000 mm (varies with truck)
- Dumping Controls: In cab
- Dumping Height: 1100 mm
- Dumping Tilt Angle: 52°
- Interior Finish: Painted (exterior colour)
- Exterior Finish: Painted – White
- Filter Screen: Manual
- Filter Screen Material: 3 mm – MS
- Tool Box: One each side of hopper
- Overload Warning: Available

Base Frame

- Front diesel tank: 200 Ltrs with battery box
- Explosive cap: Not applicable
- Rear diesel tank: Not applicable
- Rear bumper: Truck – scope
- Tail lamp & bracket: Truck – scope
- Mudguard: Sheet metal

Rear Door

- Thickness: 3 mm – MS
- Drain Valve: Hose for drain



Auxiliary Engine

- Manufacturer: Ashok Leyland
- Model: 4CTIC
- Induction System: Turbo
- Combustion System: Direct injection diesel
- Number of Cylinders: 4
- Displacement: 3.9 L
- Bore x Stroke: 104 mm x 113 mm
- Power Rating: 101 HP @ 2200 rpm
- Cooling System: Liquid cooled
- Oil Filter: Spin-on
- Air Cleaner: Dry type
- Starter: 24 Volts
- Alternator: 24 Volts, 85 Amps
- Battery: 24 Volts, 2 x 80 Amps
- Safety Shutdown: Automatic
- Acceleration: Manual (lever operated)

Auxiliary Suction

- Type: Rear door mounted wander hose
- Hose & Nozzle: Ø160 mm (plastic) x 4000 mm length
- Controls: Manual (spring)
- Provision (Side): Left (standard)

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Informasi dapat berubah sewaktu-waktu

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ISO 9001:2015
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Suction Fan

- Type: Centrifugal fan
- Drive: 3 groove XPB section V-belt
- Number of Blades: 10
- Diameter: 810 mm
- Bearing Units: 2 sealed bearings
- Construction: Welded steel blades
- Brake: Nil
- Cleaning System: Manual

Suction Fan Casing

- Construction: Welded mild steel
- Liner: Replaceable rubber

Suction Head

- Type: Dual chamber full-width blast orifice
- Operating Direction: Forward
- Suspension: Adjustable spring balance
- Full Width: 2030 mm
- Suction Hose Diameter: 350 mm
- Blast Hose Diameter: 350 mm
- Hose Construction: Reinforced moulded rubber
- Skids: With tungsten carbide inserts
- Controls: Hydraulic raise & lower
- Full Width Adjustment: Adjustable front skirt
- Front Flap Open: Hydraulic actuator

Side Brush

- Type: Four segment steel tined
- Diameter: 1000 mm
- Drive: Hydraulic
- Speed: Variable, non-reversing
- Tilt Adjustment: Manual
- Extra Pressure: Manual
- Raise / Lower: Electric in-cab (hydraulic cylinder)
- In / Out: Manual (spring assisted)

Dust Control

- Water Tank Capacity: 1000 liters
- Tank Construction: Polyethylene (rotomould)
- Fill Diameter: 100 mm (tank opening)
- Additional Water Tank: 800 / 1000 liters (optional extra)
- Additional Tank Construction: Sheet metal (SS) / Rotomould

Hydraulic System

- Type: Single gear pump (Dowty)
- Fluid Capacity: 70 liters
- Drive: Direct drive
- Filter: 10 micron spin-on
- Strainer: 80 mesh
- Level Indication: Level indicator
- Valves: C-top valves
- Valve Make: Yuken
- Power Pack: Vehicle PTO

Pneumatic System

- Make: Janatics

Water System

- Front Spray Bar: Low pressure (Hardi)
- Twin Nozzle at Spray Bar: Optional
- Front Spray Bar Nozzle: 7
- Side Brush Water Nozzle: 2 on each side
- Transition Tube Water Nozzle: 2
- Hopper Water Nozzle: 5
- Wander Hose / Overhead Boom Water Nozzle: 1
- Cleaning System: Machine / garden hose with nozzle
- Spray Type: Plastic
- Tank Filling Pipe: 50 mm (optional)
- Water Level: Visual
- Hand Wash / Drain: 1" plastic ball valve

Lights

- Make: Halogen India 12V
- Side Brush Working Light: 1 unit each side
- Suction Head Working Light: 1 unit each side (optional)
- Rear Door Working Light: Nil
- Auxiliary Engine Bay Working Light: 1 unit
- Amber Beacons: 2 units (front & back)
- Red Marker Light: Nil
- Top Mount Tail Lamp: Hella LED 12V

Electrical System (24 V)

- Display: Dufn 5" (Ashwaya)
- Communication: Wired
- Outputs: Relay and MOSFET
- Protection: Fuse
- Controls: Rocker switch
- Door Pods (with CANbus only): Driver side
- Connectors: Besmak

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Main Features



Hopper Dumping



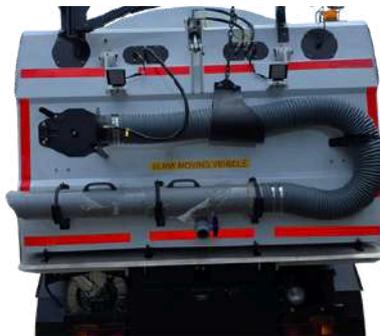
Cabin Control Room



Suction Ports



Front Sprayer Bar



Wonder Hose



High Pressure
Jet Cleaner

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