

ROOTS RSR6000

Road Sweeper



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

**ROOTS -
Perfect from
Product
to Service**

ROOTS RSR6000 ROAD SWEEPER

TECHNICAL SPECIFICATION

OVERALL SWEEPING WIDTH

| | | |
|-------------------|---|---------|
| With Dual Brooms | - | 3300 mm |
| With One Broom | - | 2650 mm |
| With Suction Head | - | 2030 mm |

AUXILIARY ENGINE

| | | |
|---------------------|---|-------------------------|
| Model | - | ALHT4CT1C3 |
| Induction System | - | Turbo |
| Combustion System | - | Direct Injection Diesel |
| Number of cylinders | - | 4 |
| Displacement | - | 4000 cc |
| Power Rating | - | 101 HP @ 2200 rpm |
| Cooling System | - | Liquid Cooled |
| Starter | - | 12 Volts, 2.8 Kw |
| Alternator | - | 12 Volts, 55 Amp |
| Battery | - | 12 Volts, 80 Ah |
| Oil Filter | - | Spin-on |
| Air Cleaner | - | Dry Type |
| Safety Shutdown | - | Automatic |

ELECTRICAL SYSTEM

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

DEBRIS HOPPER

| | | |
|--------------------|---|-----------------------------|
| Capacity | - | 6 Cubic Metres |
| 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 | - | Φ200mm x 4000mm Length |

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 |

SWEEPING 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 Mild Steel |
| Skids | : | with Tungsten Carbide Inserts |
| Controls | : | Hydraulic Raise & Lower |
| Full Width | : | Adjustable Front Skirt |

HYDRAULIC SYSTEM

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

DUST CONTROL

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

GUTTER BROOM

| | | |
|-----------------|---|------------------------|
| Type | : | 4 Segment Steel Tined |
| Diameter | : | 1000 mm |
| Drive | : | Hydraulic Motor |
| Speed | : | Variable Non-Reversing |
| Tilt Adjustment | : | Electric In-Cab |

LIGHTS

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

OVERALL DIMENSIONS

| | | |
|--------------|---|----------|
| Height | : | 3090 mm |
| Width | : | 2400 mm |
| Length | : | 6780 mm |
| Empty Weight | : | 8000 kgs |

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.