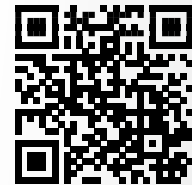


# ROOTS RSR6000E

## Road Sweeper



RSR6000E



Regenerative Type, truck Mounted Sweeper  
with capacity of 6 cubic metres and above.

Roots -  
Perfect from  
product  
to service

# ROOTS RSR6000E ROAD SWEEPER

## TECHNICAL SPECIFICATION

### OVERALL SWEEPING WIDTH

With One Brooms	-	2700 mm (1000 Dia Broom)
Overall Sweeping Width-	-	3300 mm (1000 Dia Broom)
Suction Head	-	2030 mm

### AUXILIARY ENGINE

Manufacturer	-	John Deere
Model	-	4045HF285
Induction System	-	Turbo
Combustion System-	-	Direct Injection Diesel
Number of cylinders-	-	4
Displacement	-	4.5 L
Bore	-	106 mm
Stroke	-	127 mm
Power Rating	-	115 HP @ 2200 rpm
Cooling System	-	Liquid Cooled
Oil Filter	-	Spin-on
Air Cleaner	-	Dry Type
Starter	-	24 Volts
Alternator	-	24 Volts, 100 Amps
Battery	-	24 Volts, 2 X 80 Amps
Safety Shutdown Acceleration	-	Automatic

### BASE FRAME

Front Diesel Tank	-	300 Ltrs without Battery Box
Explosive Cap	-	Not Applicable
Rear Diesel Tank	-	Not Applicable
Rear Bumper	-	Sheet Metal
Tail lamp & bracket	-	LED
Mudguard	-	Rotomould

### DEBRIS HOPPER

Capacity	-	6 Cubic Metres
Construction	-	3 mm - SS 409 & SS 304
Dumping	-	Hydraulic
Inspection Doors	-	One Each Side of Hopper
Inspection Door Size- (Cutout)	-	450 x 360 mm
Inspection Door - Ground to Door Bottom (Varies with truck)	-	1500
Dumping Controls	-	Wired Remote
Dumping Height	-	1100 mm
Dumping Tilt Angle	-	52 Degree
Interior Finish	-	Natural Stainless Steel
Exterior Finish (Paint)-	-	White
Filter Screen	-	Automatic (Pneumatic)
Filter Screen Material	-	3 mm - SS 304 & 409
Tool Box	-	One Each Side of Hopper
Overload Warning	-	Available

### REAR DOOR

Thickness	-	3 mm - SS 304 & 409
Drain Valve	-	3 Inch - Brass

### AUXILIARY SUCTION

Type	-	Over Head Boom
Hose & Nozzle	-	200mm (Aluminium) x 4000mm Length
Controls	-	Hydraulic - Wired Remote
Provision (Side)	-	Left (Standard)

### SUCTION

Type	-	Centrifugal Fan
Drive	-	3 Groove XPB Section V Belt
No. of Blades	-	10
Diameter	-	810 mm & 92 mm width
Mounting	-	2 Sealed Bearing Units
Construction	-	Welded Steel Blades
Brake	-	Nil
Cleaning system	-	Self cleaning (Low pressure)

### SUCTION 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 with Tungsten Carbide Inserts
Skids	-	
Controls	-	Hydraulic Raise & Lower
Full Width	-	Adjustable Front Skirt
Front Flap Open	-	Electrical Actuator

### SIDE BRUSH

Type	-	Four Segment Steel Tined
Diameter	-	1000 mm
Drive (Hydraulic)	-	Eaton
Speed	-	Variable Non-Reversing
Tilt Adjustment	-	Electric In-Cab (Hydraulic Cylinder)
Extra Pressure	-	Electric In-Cab (Pneumatic Cylinder)
Raise / Lower	-	Electric In-Cab (Hydraulic Cylinder)
In / Out	-	Electric In-Cab (Pneumatic Cylinder)

# ROOTS RSR6000E ROAD SWEEPER

## TECHNICAL SPECIFICATION

### LIGHTS

Make	-	Narva LED 24V
Side Brush (Working Light)	-	1 Unit Each Side
Suction Head (Working Light)	-	1 Unit Each Side (Optional)
Rear Door (Working Light)	-	2 Units
Aux Engine Bay (Working Light)	-	1 Unit
Amber Beacons	-	2 Units (Front and Back)
Red Marker Light	-	2 Units Top
Top Mount Tail Lamp	-	Narva LED 24V

### HYDRAULIC SYSTEM

Type	-	Tandem Gear Pump (Casappa)
Fluid Capacity	-	70 Liters
Drive	-	Direct Drive
Filter	-	10 micron Spin-on
Strainer	-	80 mesh
Level Indication	-	Level Indicator + oil level switch + temp sensor
Valves	-	Catridge type
Valves Make	-	Sun
Power Pack	-	Bucher 24V (Electrical)

### DUST CONTROL

Water	-	1000 Liters
Tank Construction	-	Polyethylene (Rotomould)
Fill Diameter	-	100 mm (Tank Opening)
Additional water tank	-	Nil
Additional water tank construction	-	Nil

### ELECTRICAL SYSTEM (24 V)

Display	-	Murphy 4.5" & 7"
Communication	-	CAN 2.0 B
Outputs	-	Murphy Solidstate (PDM)
Protection	-	Auto resettable
Controls	-	Moulded Rubber Keypad with illumination
Doorpods (With Canbus only)	-	One on each door
Connectors	-	Deutsch

### PNEUMATIC SYSTEM

Make	-	Janatics
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### WATER SYSTEM

Front Spray Bar	-	Low Pressure + High Pressure
Twin nozzle at ends of spray bar	-	Optional
Front Spray Bar (Nozzle)	-	7
Side Brush Water (Nozzle)	-	3 on each side
Suction Head (Nozzle)	-	2 on each side
Transition Tube water (Nozzle)	-	3
Hopper Water (Nozzle)	-	5
Wander Hose/Over Head	-	1
Boom Water (Nozzle)	-	
Cleaning system (Machine)	-	Hose Reel with Hand lance
Spray Tip	-	Brass & SS
Tank Filling Pipe (50mm)	-	Applicable
Water Low Level	-	Electrical Limit Switch (Pump Off)
Hand wash / Drain	-	1" SS Ball Valve

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.