



ADDING VALUE

Superior technology for cleaning

# RootsSweep RD 180

## The Ultimate Sweeper



**RHINO**   
**POWER SWEEPER**

Diesel Operated, Power sweeper  
Theoretical Area performance up to 29,600 m<sup>2</sup>/hour.

Roots -  
Perfect from  
product  
to service



**Offers 20% Gradeability.  
Easier to climb slopes  
Extremely useful in sites with multiple levels**

**20%**

### Filter Cleaning System



Technologically Superior and most advanced Air Purge based filter cleaning system.

### Powerful Shock Absorbers and Suspensions



Hydraulically controlled drive wheels designed with powerful shock absorber and suspensions.

### Large Hopper



The large hopper with 900L capacity supports longer operations.

### Dual Impeller Kit



The Ultimate Sweeper - as the name implies, the powerful vacuum generated with the help of Dual Impeller Kit, thoroughly controls flying dust out while in operation.

### Wide Sweeping Path

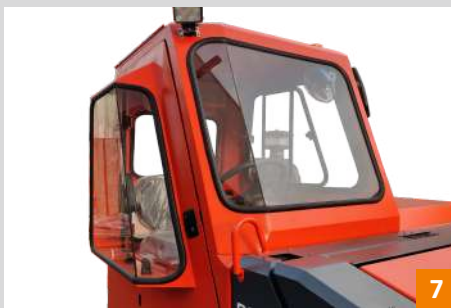


Best in class sweeping width. Theoretical area performance upto 29,600 m<sup>2</sup>/hr.

### Pneumatic Broom Adjustment



Main broom pressure adjustment is automatic with specially designed Pneumatic system. Automatically adjusts to the set pressure even on surface with undulations.



1 A Smart Control Dashboard ,with easy switch operation.

2 Hydraulically driven side brush removes heavy deposits of soil from medians easily.

3 Unique and superior feature for filter cleaning with Air Purge.

4 Turn indicators and fuel cap with lock available as standard.

5 Temperature cum level indicator for hydraulic tank easily visible for monitoring.

6 V-Shaped broom for effective sweeping. Dense bristle bunch for achieving optimum results.

7 Spacious and fully closed pressurized cabin, In-built as standard.

8 Powerful Twin LED Head Lamps.

9 Additional LED Lamp for specific focus.

# TECHNICAL SPECIFICATIONS

Machine Performance		RD 180
Maximum Vehicle Speed (FWD)		16 km/hr
Normal Sweeping Speed		8 to 11 km/hr
Clearance Circle Radius		2380 mm
Maximum Gradability		20 %
Sweeping width without side broom		1400 mm
Sweeping width with one side broom		1850 mm
Sweeping Area Performance with one side broom (Practical)		19,425 m <sup>2</sup> /hr @ 10.5 km/hr
Sweeping Area Performance with one side broom (Theoretical)		29,600 m <sup>2</sup> /hr @ 16 km/hr
Engine		
Manufacturer		Mahindra
Type		575 ELS - Diesel
Maximum Power		35.4 kW / 47.5 HP
Steering		
Type		Hydraulic Power Steering
Filter System		
Filter Surface Area		18 m <sup>2</sup>
Cleaning Method		Reversible Pulse Jet
Braking System		
Service Brake		Hydraulic
Parking Brake		Cable / Lever Operated
Electrical System		
Battery		12 V / 80 Ah
Starter Type		Electric
Debris Hopper		
Hopper Volume		900 Litres
Maximum Lift Height		1820 mm
Machine Dimensions		
Length (Operation)		3125 mm
Width (Operation)		1796 mm
Height		2320 mm
Weight		2860 kg

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.