



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 m²/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

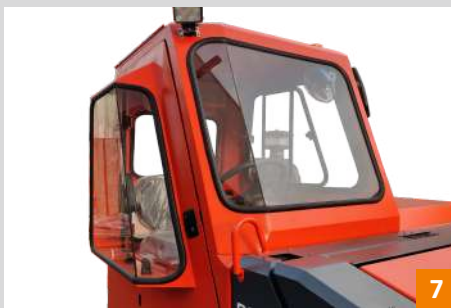


Best in class sweeping width. Theoretical area performance upto 29,600 m²/hr.

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 ² /hr @ 10.5 km/hr
Sweeping Area Performance with one side broom (Theoretical)	29,600 m ² /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 ²
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.



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