

Vclean[®]

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Superior technology for cleaning

ROOTS

ADDING VALUE

RootsSweep RD 160

Heavy Duty Ride-on Sweeper



RHINO
POWER SWEEPER

RD 160



Diesel Operated,
Debris Compact System.
Area performance up to 17,325 m²/hour.

Roots -
Perfect from
product
to service



Incomparable features and performance to clean the most challenging conditions.

The Rhino RD160 is built robust with design features for long hours of fatigue free sweeping in harsh and demanding applications.

Available with optional lefthand side broom

Durable for tough environment

With a rugged chassis, heavy duty bumper and all around powder coated steel body the Rhino 160 is made to last for long years in tough environments.

Maximum Filtration - Reduces airborne dust

Reduces airborne dust: Two large filters with elastomer frames and an innovative spider bracket with a filter agitation system ensures very high levels of dust filtration.

Operator friendly - Greater Productivity

The RD 160 is tough on dust but soft on operators. Ergonomic design of seat, steering and all controls ensures fatigue free operation for long hours.



Power Train

Tested and proven Mahindra diesel engine with Pan India service and spare parts support.

Side broom integrated with the arm - enables riding on bumps and speed breakers easy without any damages.

Design

High seating position gives the operator the best visibility of the area to be swept. Curved rear bumper makes it easy to negotiate tight corners and take short turns without collisions.



Hopper with Debris Compact System (DCS)

The hopper of RD160 can be rolled at multi-levels to fill the hopper to the maximum level possible thus utilizing most of the hopper volume.



1 All controls within easy reach of the operator. Elevated seating position provides excellent visibility of the area.

2 Hydraulic driven side brush, Removes heavy deposits of garbage from medians easily.

3 Hopper remains in closed condition always. Opens only during sweeping and emptying time which avoids spillages and dust flying from Hopper.

4 Multi-point filter cleaning concept ensures maximum filter cleaning, helps in uninterrupted sweeping even in heavy dust environments.

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

6 Tool less main broom removal and replacement easy design.

7 Comfortable and ergonomic driver seat. Dead man switch and seat belt is also available.

8 Filter can be swiftly removed and refixed, thanks to the easy clamping system.

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

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

11 Gas filled cylinders for engine hood and hopper hood.

12 Hand brake for safety whilst parking.

Other Features :

- Ideal for harsh environment with large capacity hopper and an efficient filter system.
- Maximum cleaning productivity with a wide sweeping path.
- Robustly built to sweep dirt, dust, metal shavings, bolts, wood and the likes.
- Headlamps for safe operation in low lit areas.
- High performance hydraulic system for both machine function and driving.
- Rear view mirror, reverse horn and tail lamps are fitted as standard accessory for operator convenience and safety.

Standard Accessories :

- Pneumatic tyre • Standard seat • Standard Filter • Over head guard
- Reverse alarm • Turning Signal Indicator.

Optional Accessories :

- Solid Tyre • Seat with Operator Presence Switch • Work Lamp • Fire in Hopper Sensor Indicator
- Parking Brake Indicator • Filter Vibrator Timer • Beacon • Seat Belt.

Technical Specification :

Dimensions and Weight	RD 160
Length without side broom	2640 mm
Width without side broom	1580 mm
Height (up to canopy)	2320 mm
Dead weight	1865 kg
Driving and Sweeping Performance	
Sweeping width with one side broom	1650 mm
Theoretical sweeping performance	17325 m ² /hr @ 10.5 km/hr
Gradability	20%
Filter System	
Filter area	12 m ²
Main Broom	
Main broom length / Dia	1220 / 360 mm
Side broom diameter	660 mm
Dirt Hopper	
Hopper volume	640 liters
Dump height	1400 mm
Powertrain	
Type	Mahindra 275TU-Diesel
Cubic capacity	1892/3
Rated power	28.7KW / 39 HP

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.