



## ROOTS SWEEP RB 120 - RD 120

# THE NXT- GEN SWEEPING MACHINE



SCAN HERE



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## Machine Overview

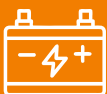


## Best in Class features

- Perfect machine for both Indoor and Outdoor sweeping with area performance upto 12,400 m<sup>2</sup>/h.
- Impeccable sweeping, removes even accumulated soil.
- Low turning radius of 1.8 metre.
- Ergonomically designed comfortable operator seat with back rest.
- Easily accessible control panel with soft touch buttons.
- One touch control panel for ease of operation.
- Hydraulic dumping system with dumping height of up to 1.6 metre.
- Hopper sensors for enhanced safety.
- Automatic filter shaker mode and large filter surface area for effective dust control.
- Hydraulic end cushion cylinders for smooth hopper



**RD 120** equipped with powerful KUBOTA 2 cylinder Diesel engine with PMG.



**RB 120** has a powerful 24V/420Ah battery as standard offering which gives increased running hours.

### Hydraulic Dumping System

Electrically operated hydraulic dumping system for hopper raise, lower & dumping.

### Dust Suppression System

Dust suppression system with a water sprayer for the side broom suppresses the flying dust and enhances the sweeping performance.

### Variable Drive Speed

A variable speed drive motor which helps regulating machine speed based on traffic and surface conditions.

### CAN Bus Display System

The CAN Bus Display system assists the operator by indicating the functionalities clearly.



## Best in Class Safety

### Seat switch

Operator presence sensor control detects and ceases the machine if the operator is not seated.

### Emergency Stop Switch

The one-touch emergency stop switch enables to stop the machine in an emergency.

### Engine Emergency Stop

The mechanical pull rope facilitates in stopping the engine in an emergency.

### Safety arm

Safety arm for additional safety during maintenance.

### Warning Beacon

The Beacon alerts the machine operation and helps to prevent accidents.

### Electromagnetic Brake

A highly efficient electromagnetic braking system for enhanced safety

### Dynamic Regenerative Brake

Dynamic regenerative brake gives excellent control even when the machine is operated on slopes.

### Main Broom Overload Sensor

Overload sensor to safeguard the Main broom from damage.

### Circuit breaker

Circuit breaker to avoid overuse of the side broom, preventing damage.

### Battery Cut-off switch

Battery cut-off switch for the engine (For Diesel version only)

### An array of sensors contributes to improved safety and performance



Hopper Rotate Sensor



Water Level Sensor



Hopper Open Sensor



Filter Clog Sensor



Hopper Level Sensor



Main Broom Wear Sensor



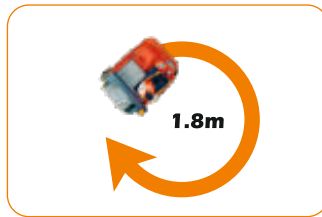
Ramp Sensor



Main Broom Overload Sensor



Ergonomically designed, easily accessible control panel with soft touch buttons



Low turning radius - 1.8m



Removes even accumulated soil with ease



RootsSweep RB 120/ RD 120 is the Perfect choice for sites with multiple levels, thanks to its 20% gradeability.

**20% Gradeability**

## Technical Specifications

Description	Units	RB120	RD120
Sweeping Path - Main Broom only	mm	850	850
Sweeping Path with One side Broom	mm	1200	1200
Sweeping Path with Dual side Brooms	mm	1550	1550
Sweeping Performance with One side Broom	m <sup>2</sup> /h	9600	9600
Sweeping Performance with Dual Brooms	m <sup>2</sup> /h	12400	12400
Battery	V/Ah	24/420	-
Maximum Gradability	%	20	20
Hopper Volume	litres	155	155
Maximum Lifting Height	mm	1640	1640
Filter Surface	m <sup>2</sup>	7.1	7.1
Sound Pressure Level	dB (A)	75	85
Water Tank Capacity	litres	40	40
Dimensions (LxWxH)	mm	1915x1250x1640	1915x1250x1640
Dead Weight	kg	685	880
Forward Speed	km/hr	10	10
Reverse Speed	km/hr	3	3
Hydraulic Tank Capacity	litres	2.5	2.5
Engine			
Manufacturer		-	KUBOTA
Model		-	Z482-E4B-EU-X2
Maximum Power	kW / HP	-	9.9 / 13.3
Diesel Tank Capacity	litres	-	10

### Sweeping Width



Sweeping width with One Side broom

**1200 mm**



Sweeping width with Dual Side brooms

**1550 mm**

### Standard Accessories

- Pneumatic Tyre
- Poly Propylene Brush
- LED Headlights
- Water Spray Dust Suppression
- 24V/420Ah Battery\*
- Operator Presence Sensor Switch with Seat Belt

### Optional Accessories

- Solid Tyre
- Brushes with Poly Mix
- Left Side Brush with Water Spray System
- Traction Batteries 24V, 480Ah\*

\*For Battery Version only



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