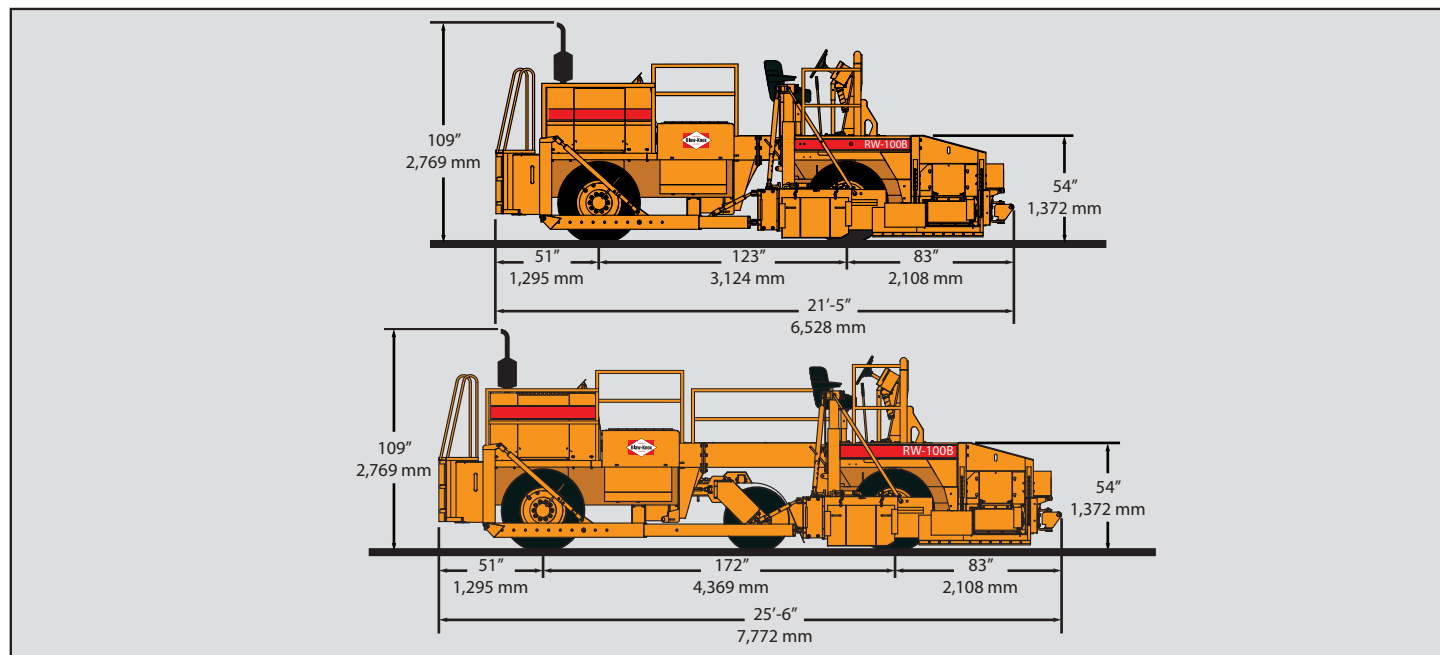


## SPECIFICATIONS



## RW-100B

Working Widths	1' to 10' (305 mm - 3.05 m)
Working Depths	9" (227 mm) above to 7" (178 mm) below grade
Wheelbase (std. full length configuration)	172" (4369 mm)
Wheelbase (short-frame section removed)	123" (3124 mm)
Gage Width-Front (center to center of wheels)	81" (2057 mm)
Gage Width-Rear	86" (2184 mm)
Turning Radius-inside rear (std. machine w/4-wheel steer)	16' 8" (5.08 m)
Turning Radius-inside rear (short machine w/4-wheel steer)	10' 8" (3.25 m)
Loading Ramp Angle	7½°
Length (std. full length configuration)	25' 6" (7.77 m)
Length (short-frame section removed)	21' 5" (6.53 m)
Width-Overall (transport/shipping)	10' 10" (3.30 m)
Height-Overall	9' 1" (2.77 m)
Weight (standard machine)	24,520 lb (11,122 kg)

Custom Options: Consult factory.

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 #14xxx RW100B 1/12



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## RW-100B



The RW-100B Road Widener is a self-propelled, wheel mounted, mid-sized / convertible shoulder paving machine capable of placing either aggregate or bituminous materials.

### KEY FEATURES

- ✓ **Material Placement Widths to 10' (3.05 m)**— Variable width shoulder paving with either aggregate or bituminous mixes.
- ✓ **Performance Balanced for General Purpose / Utility Operations**— Horsepower to weight ratio in conjunction with adjustable wheelbase configurations effectively optimize production capability and operational maneuverability to place more material for less "O & O" cost on a more diverse range of jobs.
- ✓ **110 hp (82 kW) Cummins QSB4.5 Diesel Engine**— with Murphy Link Monitoring System.
- ✓ **Adjustable Wheelbase**— Short frame for tight turning radius; Long frame to accommodate belly-broom option.
- ✓ **4-Wheel Steering / Front Wheel Planetary Drive**— Performance designed drive and steering arrangement provide excellent traction and maneuverability in either the long or the short wheelbase configuration.
- ✓ **Traction Drive:** Front-wheel hydrostatic direct-drive system.
- ✓ **Rear Wheel Power Assist Option**— Provides additional traction to overcome tough operating conditions.
- ✓ **9' 3" (2.82 m) Truck Entry Width**— Easy truck dumping access.
- ✓ **Power Adjustable Front Hopper Lip**— Accommodates varying truck bed heights to minimize spillage during the dump cycle.
- ✓ **High Capacity Conveyor**— 21" (533 mm) wide, high temperature service belt, hydrostatically driven at speeds up to 466 fpm (142 m/min).
- ✓ **Dual End Conveyor Drive**— Switch-controlled from the operator's console for quick reversal of discharge direction.
- ✓ **Precise Control of Material Placement**— Strike-off or screed is raised, lowered, extended and retracted hydraulically from the operator's console.
- ✓ **Contoured Strike-Off**— Minimizes side draft and material segregation.
- ✓ **10' 10" (3.30 m) Transport Width**— Swing-away strike-off accommodates quick conversion.
- ✓ **Optional Vibratory Screed / Strike-off Attachment**— Improved material flow, texture and compaction up to 8' (2.44 m).

Designed with the Paving Professional in Mind®





## STANDARD FEATURES— RW-100B

### TRACTOR

**Engine:** Cummins QSB4.5 (4) cylinder, water cooled, turbo-charged and charge air cooled diesel— 275 cubic inch (4.5 L) displacement, 110 HP (82 kW) at 2200 rpm; cooling system capacity is 26 U.S. QT. (24.6 L). (3) Engine throttle presets; Idle, Operational and Travel mode.

**Murphy Link System:** With PowerView display for engine monitoring and diagnostics.

**Fuel System:** 68 gal. (257.4 L) fuel tank with replaceable fuel filter.

**Hydraulic System:** 42.5 gal. (160.9 L) reservoir capacity. Primary filtration is accomplished with a 5.0 micron variable depth “fiberglass” filter on the inlet-suction side of the general purpose and conveyor drive pumps.

**Electrical System:** 12 volt negative ground with 160 amp alternator. Wiring is color coded for easy servicing. All circuits are routed through two easy access, terminal coded panels and are protected by automatic reset circuit breakers.



**Traction Drive:** Front-wheel hydrostatic direct-drive system with electro-hydraulic controlled single speed planetary arrangement with a two-speed motor. Speed selection is infinitely variable in both ranges.

Low Range ..... 0-261 fpm (3.0 mph) @ 1800 rpm  
 ..... 0-319 fpm (3.6 mph) @ 2200 rpm  
 High Range ..... 0-804 fpm (9.1 mph) @ 1800 rpm  
 ..... 0-982 fpm (11.2 mph) @ 2200 rpm  
 Reverse ..... Full reverse in any of the speed ranges

**Adjustable Wheelbase:** A bolt-in removable frame section permits shortening the wheelbase/overall length by 49” (1245 mm) to provide greater maneuverability on tight-quartered jobs.

**Suspension:** 385/65R22.5 radial pneumatic tires, provide maximum tractive effort, inflated to 105 psi (725 kPa).

**Brakes:** Primary braking is accomplished through the dynamics of the hydrostatic traction drive. Application of the parking brake can be accomplished by actuating an electrical switch on the operator’s console.

### CONTROLS



**Controls:** Dual control stations (right and left side) each equipped with a direction/speed control lever, foot actuated conveyor function switch and brake pedal. Lockable operator’s console is easily moved from one side to the other.

Control functions located on the operator’s console include main power, starter, throttle, horn, conveyor speed, shuttle and discharge direction, strike-off lift and lateral movement, hopper lip position, front & rear steering, parking brake, and engine governor control switch. A second main power switch and tail light switch are located on the lockable engine instrument panel.

**Front End:** Standard oscillating push rollers or optional truck hitch.

**Oscillating Push Rollers:** Two bearing equipped push rollers mounted on a 111.75” (2839 mm) wide, oscillating frame; compensates for minor directional misalignment of truck with road widener.

**Truck Hitch (option):** Bearing equipped push rollers mounted on an oscillating frame automatically compensate for both minor lateral and directional misalignment.

### HOPPER



**Hopper:** 72.5 ft<sup>3</sup> (2.05 m<sup>3</sup>) struck capacity  
 • **Truck Entry Width**— 9’3” (2819 mm)  
 • **Truck Dump Clearance**— 26¾” (679 mm)

**Power Adjustable Front Hopper Lip:** Hydraulically adjustable front hopper chute with Tivar® polymer retaining lip [8⅞” (219 mm) high at the outer edges, 5⅝” (143 mm) high in the center] is infinitely adjustable in height up to a maximum of 7” (178 mm) to accommodate varying truck bed heights and reduce spillage during the dump cycle.

### CONVEYOR

**Conveyor:** 21” (533 mm) wide, high temperature service belt with nitrile rubber cover traveling on tapered roller bearing support rollers and equipped with adjustable wipers to prevent material build-up. Drum type combination head/tail pulleys are equipped with serviceable lagging to minimize belt slippage. The entire conveyor assembly can be extended and retracted hydraulically up to 4¾” (121 mm) to assist in precise control of material placement.

The conveyor will discharge material from either side of the machine. Discharge direction, left or right, is controlled with an electrical switch on the operator’s console.

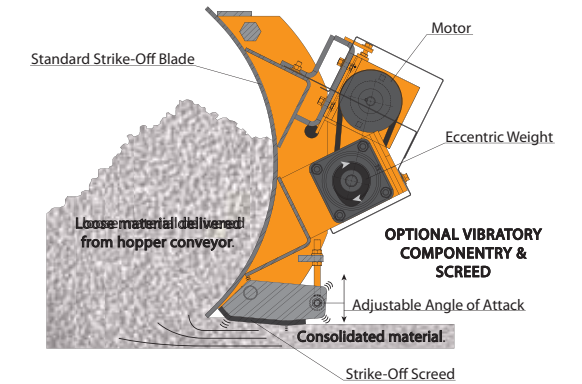


**Conveyor Drive:** Variable speed, hydrostatic, dual end drive system with two high torque, direct drive hydraulic motors (one on each end of the conveyor) powers the conveyor belt at speeds from 0 to 466 fpm (0-142 m/min). Discharge speed is controlled with the conveyor speed control knob on the operator’s console. “On-Off” function is controlled with a foot switch, one of which is located at each control station.

### STRIKE-OFF

**Strike-Off:** The contoured strike-off spreads material to a controlled width, depth and slope with minimum side draft. The basic strike-off consists of one 2’ to 3’ (610 mm - 914 mm) telescoping section, one 1’ (305 mm), one 3’ (914 mm) and one 6’ (1829 mm) section. Strike-off is raised, lowered, extended and retracted hydraulically with manual stops for fine adjustment of elevation and slope. Outer edger plate assembly is included.

**Vibratory Strike-Off / Screed Attachment (option):** Variable amplitude, fixed-widths strike-off with bolt-on replaceable screed plates.



When shipping or traveling on the job, the strike-off can be swung flush with the side of the machine to limit overall width to 10’ 10” (3.30 m).

### CONVENIENCE

**Washdown System:** A pressurized 7 gallon (26.5 L) release agent washdown system with a 25 ft (7.6 m) hose and spray nozzle, mounted on a self-storing spring retractable reel.

### OPTIONAL EQUIPMENT



- ✓ Dual strike-off group
- ✓ Vibratory strike-off / screed attachment
- ✓ 3’-6’ (914-1828 mm) hydraulic strike-off extension
- ✓ 2’ (610 mm) crownable strike-off attachment
- ✓ 2-3’ telescoping contoured strike-off
- ✓ Topcon System 5 single grade
- ✓ Topcon System 5 dual grade
- ✓ Topcon System 5 dual grade & slope
- ✓ Rear wheel power assist
- ✓ 6.5 kW generator with 120 volt AC outlets
- ✓ Belly mounted broom
- ✓ Operator’s umbrella
- ✓ Truck hitch

