

# RX-505

## Cold Planer



### Engine

- RX-505e: Tier 4F; Cummins® QSX-15 610 hp (466 kW) @ 1,900 rpm
- RX-505ex: Tier 3; Cummins® QSX-15 610 hp (466 kW) @ 1,900 rpm

### Weights

- 54,368 lbs

### Electrical System

- 24v system with on board and remote diagnostics via Roadtec Guardian® Remote Telematics System
- Two 8D batteries & 105 amp alternator
- Emergency engine shut-down; cutter disengages and engine shuts down when rear cutter door is opened

### Propel System

- Hydrostatic drive with automatic traction control.
- Hydraulically controlled suspension. Manual and automatic

### Speeds Four-Track

- Travel 0-3.2 mph (0-5 kph)
- High working 0-163 fpm (50 mpm)
- Low working 0-110 fpm (34 mpm)

### Tracks

- Direct hydraulic, planetary track drives. Bolt-on, replaceable poly track pads 12" (305 mm) wide.

### Turning Radius

- 6'8" (2,032 mm)

### Operator Station

- Left/right side full-function operator stations on shock-absorbing operator platform with joy stick controls

### Ground Controls

- Ground controls for mold boards, emergency stop, horn, load-out conveyor, rear steering, end gates, and elevation

### Conveyors

- 32" (813 mm) wide endless, heavy-duty belts with 1" (25 mm) tall molded rubber cleats
- Canvas load-out conveyor covers and self-cleaning pulleys
- 120° load-out conveyor swing capability

### Standard Light & Electrical Outlet

- 24v lights & 24v DC power outlets, 2 magnetic base work lights

### Maximum Cut Depth

- 13" (330 mm)

### Standard Tooth Spacing

- 5/8" (16 mm)

### Standard Tip Diameter

- 44" (1,118 mm)

### Standard Drum System

- Sollami® triple wrap, single hit drum with cutter bits for traditional milling
- Kennametal® drum optional

### Cutter Drive & Gear Box

- Bolt-on with mechanical v-belt drive. Automatic drive belt tensioning.
- O&R cutter gear box with mechanical fail safe to protect engine from shock loads.
- Cutter drum clutch interlock mechanism is designed to automatically disengage the cutter drum when dangerous milling conditions or practices are present. Any abrupt change in weight on the rear leg tube will cause the clutch interlock to disengage the cutter drum.

### Standard Cutter Housings & Cut Widths

- 79" housing with 6'7" (2,007 mm) width cutter drum
- 86" housing with 7'2" (2,184 mm) width cutter drum

### Optional VCS® Variable Cutter System

- Cutter housing with segmented rear moldboard capable of widths of 24" (610 mm), 36" (915 mm) & 48" (1,220 mm)
- Special VCS® housing allows change of cutting widths by only changing drum
- Maximum Cut Depth: 12" (305 mm)

### Grade & Slope Automation

- ACE™ Grade & Slope Automation with Auto Cut
- Prewiring for ACE™ Averaging Ski
- ACE™ - Single Averaging Ski
- ACE™ - Dual Averaging Ski

### Physical and Operating Characteristics

Dimension	Standard	Metric
Engine MFG	Cummins	
Model	QSX15	
Max Power	610 hp @ 1,900 rpm	466 kW @ 1,900 rpm
Number of Cylinders	6	
Electrical System	24v	
Shipping Weight *	54,368 lbs	24,66 kg
Shipping Length (Conveyor Folded)	41'9"	12.732 m
Shipping Width	8'2"	2.485m
Shipping Height	9'7"	2.927 m
Fuel Capacity	200 gal	757 ltr
Water Tank Capacity	904 gal	3,422 ltr
Hydraulic Tank Capacity	56 gal	212 ltr
Standard Cut Width	79"	2,007 mm
Optional Cut Width	86"	2,184 mm
Max Cut Depth	13"	330 mm
Travel	0-3.2 mph	0-5 kph
High working	0-163 fpm	50 mpm
Low working	0-110 fpm	34 mpm
Turning Radius	6' 8"	2.032 m

\*10% tank full; no water, 79" cutter housing & drum, with canopy