

# RX-900e/ex

## HALF/FULL LANE COLD PLANER



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Dedicated to Your Success.<sup>SM</sup>

### Engine

RX-900e: Caterpillar® C27 Tier 4 Final

1050 hp (783 kW) @ 1,800 rpm

RX-900ex: Caterpillar® C27 Tier 3

950 hp (700 kW) @ 1,800 rpm

*\*ex machines for lesser regulated countries*

### Operating Weight

Three-Track: 94,000 lbs (42,637 kg)

Four-Track: 98,000 lbs (44,452 kg)

### Cutter Drum

14" (356 mm) max cut depth with standard widths of 86" (218 mm), 98" (249 mm), and 150" (381 mm)



## THE POWERFUL AND HEAVY-DUTY RX-900 IS THE MACHINE TO OWN FOR HALF-LANE OR FULL-LANE MILLING

### **Heavy Duty & User Friendly**

With a 1050 hp (783 kW) engine the RX-900 is the most productive cold planer available. Power and heavy-duty construction make the RX-900 the tool to own for high-productivity, half-lane or full-lane milling. This cold planer is available with either four-track or three-track assemblies. The RX-900 cuts up to 14" (356 mm) deep and can be outfitted to work with different cutting widths. Standard widths are 7'2" (2,185 mm), 8'2" (2,489 mm), and 12'6" (3810 mm). Additional custom width can be supplied. Like all Roadtec planers this model features a 60° front load-out conveyor swing. All Roadtec cold planers are designed for ease of maintenance and repair.

### **Choose Either Three or Four Tracks**

With the RX-900 you can select either three or four tracks. Cold Planers with three-track suspensions are more maneuverable, lower in weight, and have slightly less maintenance, while four-tracks machines provide greater traction and flotation.

### **RX-900 Cold Planers: High Productivity & Low Cost of Ownership**

Powerful and well-balanced, the RX-900 offers you solid design features, systems that are simple to troubleshoot, and parts that are non-proprietary and cost less. Plus you get exclusive features like our Guardian® remote telematics and diagnostics system.

## Power and Efficiency

The RX-900 features increased power and ease of use with variable width cutter drums, high function conveyors, and automated elevation, load, and traction controls.

- **Variable Width Cutter Drums**

The RX-900 cuts up to 14" (356 mm) deep with standard widths of 86" (218 mm), 98" (249 mm), and 150" (381 mm)

- **Versatile Secondary Conveyor Swing**

A 60-degree from center conveyor swing allows you to easily feed a truck in an adjacent lane or around a tight bend such as in a cul-de-sac. The traditional swing is only 40 degrees.

- **Convenient Folding Conveyor**

A folding conveyor is available as an option to aid in transport and loading.

- **Advanced Grade and Slope Controls**

The Automated Control of Elevation™ (ACE) system automates machine elevation through a combination of grade and slope sensors. The operator and ground crew can easily make changes to the grade and slope parameters, on the job and in real time. With the Auto Cut™ feature, the machine's rear elevation is automated as the machine enters each cut.

## Simple Maintenance and Long Wear Life

Powerful and well designed, the RX-900 offers solid design features, systems that are simple to troubleshoot, and non-proprietary parts. Plus you get exclusive features like our Guardian® remote telematics and diagnostics system.

- **Angled Moldboards**

Both the rear and front moldboards on the RX-900 are angled in toward the drum. This allows less material to accumulate around the drum, which means increased component life, production rates, and efficiency.

- **Dual Water Spray Bars**

The RX-900 has two independent spray bars to inject water into the cutter housing. The front spray bar is primarily for dust suppression, the rear spray bar cools the cutting teeth. When in automatic mode, the water system will only pump water while the machine is moving forward.

## CUSTOMIZATION OPTIONS

### GRADE AND SLOPE CONTROLS

- Roadtec Hydro-Mechanical Grade and Slope Control
- ACE Grade and Slope Control with Auto Cut
- ACE Single and Dual Averaging Ski Systems

### VERSATILE CUTTER SYSTEMS

- Profiling or Micro-Milling Cutter Drum Systems
- Cold-in-Place Recycling Packages

### ENHANCED VISIBILITY AND COMFORT

- 24V LED Night Light Package
- Operator Station Canopy- Hydraulic or Manual
- Secondary Conveyor Camera

### OPTIMIZED TOOLS AND EFFICIENCY

- Guardian® Totalizer
- Automated Lubrication System
- Hydraulically Folding Secondary Conveyor

**ENGINE**

- RX-900e: Tier 4F; Caterpillar® C27 1050 hp (783 kW) @ 1,800 rpm
- RX- 900ex: Tier 3, Caterpillar® C27 950 hp (700 kW) @ 1,800 rpm

**WEIGHT**

- Three-Tracks: 94,000 lbs (42,637 kg)
- Four-Tracks: 98,000 lbs (44,452 kg)

**ELECTRICAL SYSTEM**

- 24v system with onboard 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**

- 0-3 mph infinitely variable (0-4.8 kph)

**TRACKS**

- Direct hydraulic, planetary track drives. Bolt-on, replaceable poly track pads 14" (356 mm) wide
- Rear track width on 3-track machine: 16" (406 mm)

**TURNING RADIUS**

- 4-track: 8'7" (2,616 mm)
- 3-track: 8' (2,439 mm)

**OPERATOR STATION**

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

**CONVEYORS**

- 42" (1,066 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

**SERVICE CAPACITIES**

- Fuel Tank .....360 gal (1363 l)
- Hydraulic Fluid Tank.....125 gal (471 l)
- Water Tank .....1,300 gal (4,920 l)

**MAXIMUM CUT DEPTH**

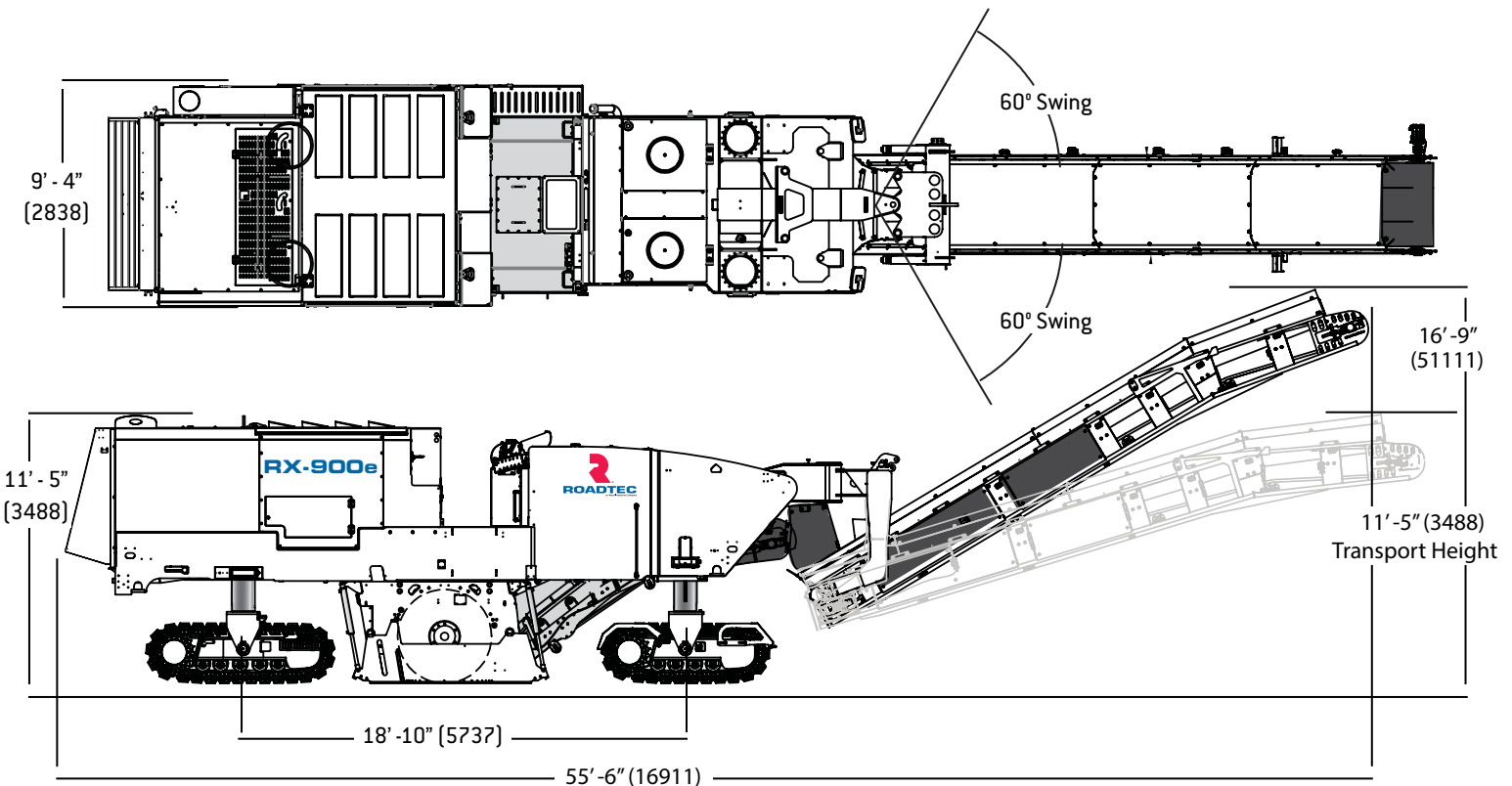
- 14" (356 mm)

**AVAILABLE CUT WIDTHS**

- 7'2" (2,184 mm), 8'2" (2,489 mm), 10'6" (3,201 mm), 11'6" (3,505 mm), 11'8" (3,556 mm), 12'6" (3,810 mm), 13'6" (4,115 mm)

**CUTTER DRIVE & GEAR BOX**

- Bolt-on cutter assembly with mechanical v-belt drive
- Automatic drive belt tensioning
- W-80 Fairfield® cutter gear box with mechanical fail safe to protect engine from shock loads



Dimensions in brackets are mm.

Specifications are subject to change without notice.

**Dedicated to Your Success.**<sup>SM</sup>

Roadtec is dedicated to helping you, our industry, and our country succeed. Your success builds your business, supports our industry, and strengthens our country.

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