



Half-Lane Cold Planer

RX-700

ENGINE

RX-700e: Tier 4i; Caterpillar® C18 755 hp (563 kW) @ 1,900 rpm

RX-700ex: Tier 3; Caterpillar® C18 700 hp (563 kW) @ 1,900 rpm*

** ex machines for lesser regulated countries*

OPERATING WEIGHT

Three-Tracks: 80,000 lbs (36,287 kg)

Four-Tracks: 84,000 lbs (38,101 kg)

FEATURES



Heavy Duty & User Friendly

Contractors looking for high productivity in a half-lane planer will find it in the RX-700. Featuring a 755 hp (563 kW) Caterpillar® engine, this cold planer is available with either three-track or four-track assemblies. Built with the Roadtec focus on balanced weight distribution, the RX-700 is a heavy duty machine which is also user-friendly in both operation and maintenance. The RX-700 cuts up to 14" (356 mm) deep with standard widths of 6'7" (2,007 mm), 7'2" (2,185 mm), 8'2" (2,489 mm), 10'6" (3,201 mm). Like all Roadtec planers this model also features a 60° front load-out conveyor swing.

Choose Either Three or Four Tracks

With the RX-700 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-700 Cold Planers: High Productivity & Low Cost of Ownership

Powerful and well-balanced, the RX-700 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.

Frame

All Roadtec milling machines start with an extremely strong frame completely fabricated, welded and assembled by us. This gives us complete control over the design and quality of the build. We are the only manufacturer to use A656 Grade 80 steel throughout the frame. This special grade of steel has twice the strength of the mild steel that is commonly used. This allows us to build stronger frame than anybody else in the industry without adding weight.

Angled Moldboards

Both the rear and front moldboard on the RX-700 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

Roadtec milling machines have two independent spray bars to inject water in the cutter housing. The front spray bar is primarily for dust suppression, the rear spray bar cools the cutting teeth.

Secondary Conveyor Swing

All Roadtec milling machines offer 120° conveyor swing, allowing you to easily feed a truck in an adjacent lane or around a tight bend such as in a cul-de-sac.

Folding Conveyor

A folding secondary conveyor is available as an option on all Roadtec milling machine models to aid in transport and loading.



Options

Miscellaneous

- Operator station canopy - hydraulic or manual
- Hydraulically folding secondary conveyor
- Automated lubrication system

Grade & Slope Control

- Roadtec hydro-mechanical grade control. Dual controls.

Additional Lighting

- Night light package – four 24v high intensity discharge lights enhance visibility for work performed in the night hours

Cutter Systems

- Profiling or micro-milling drums

SPECIFICATIONS

ENGINE

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WEIGHT

- Three-track: 80,000 lbs (36,287 kg)
- Four-track: 84,000 lbs (38,101 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

- Three-track: 5'8" (1,727 mm)
- Four-track: 6'8" (2,032 mm)

OPERATOR STATION

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

CONVEYORS

- 36" (915 mm) wide endless, heavy-duty belts with 1" (25.4 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 Tank340 gal (1,287 l)
- Hydraulic Fluid Tank.....100 gal (379 l)
- Water Tank1,100 gal (3,028 l)

MAXIMUM CUT DEPTH

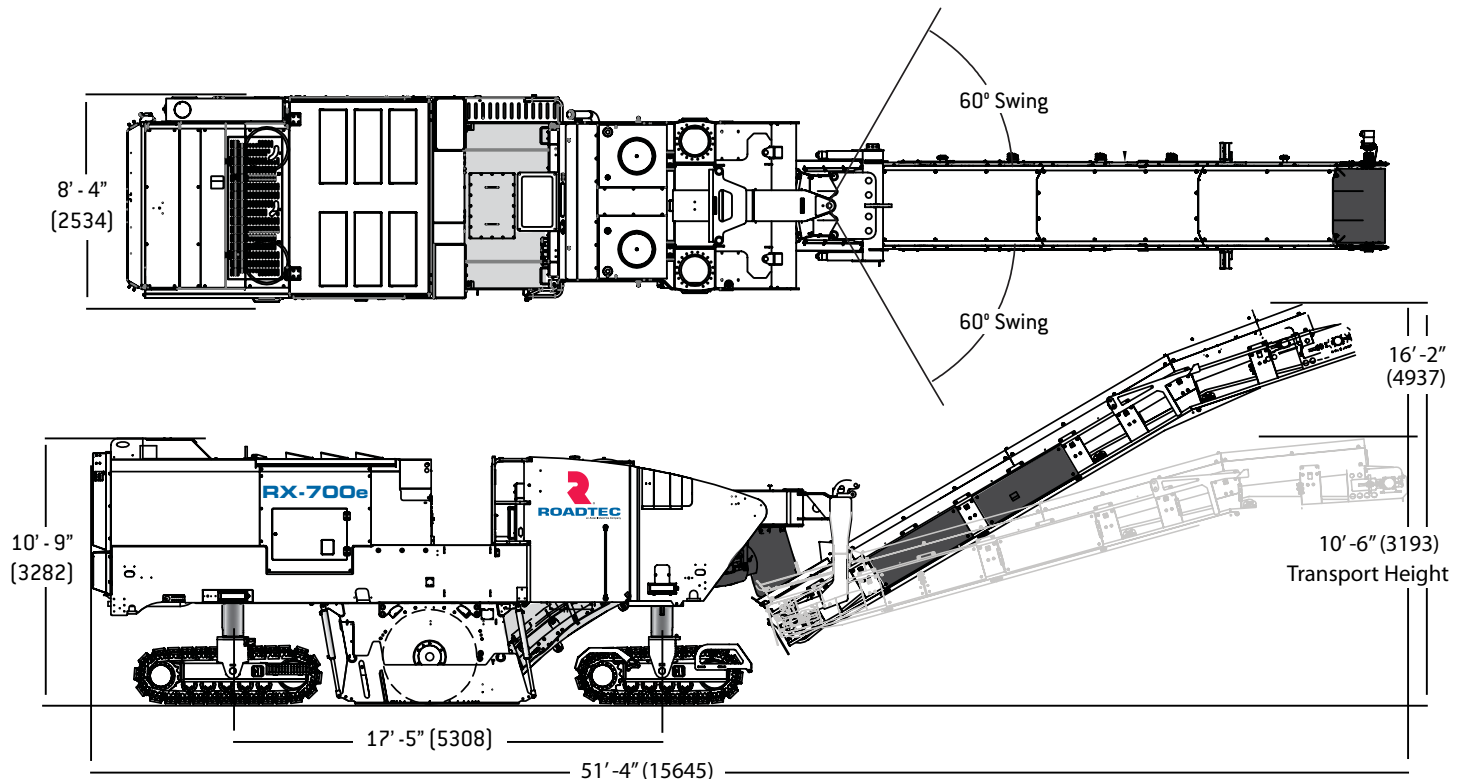
- 14" (356 mm)

AVAILABLE CUT WIDTHS

- 6'7" (2,007 mm), 7'2" (2,185 mm), 8'2" (2,489 mm), 10'6" (3,201 mm)

CUTTER DRIVE & GEAR BOX

- Bolt-on with mechanical v-belt drive. Automatic drive belt tensioning.
- W-50 Fairfield® cutter gear box with mechanical fail safe to protect engine from shock loads.



Dimensions in brackets are mm.

130307

Specifications are subject to change without notice.

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