



TECHNICAL SPECIFICATIONS AND OPTIONS



The RP-170 is a rubber-tire asphalt paver with a compact wheelbase for great maneuverability. The RP-170 can achieve a 30" (76cm) turning radius for managing those tight spots around barriers and drains. Fume extraction, adjustable seats, and quiet operation. Quick and easy transportation between job locations.

ROADTEC

SPECIFICATIONS

ENGINE	CAT® 6.6 L, 6 Cylinder Tier III. One year engine warranty standard.
	174 HP (130 kW) Diesel @ 2,200 rpm
CHASSIS	.5” (13mm) thick continuous side sheets
	4” (102 mm) thick front cross frame member
	Oscillating push rollers
ELECTRICAL SYSTEM	Two 4D batteries. 115 Amp alternator
	12 Volt system with master disconnect switch
	Electric-over-hydraulic solenoids with manual override
COOLING SYSTEM	Low noise, variable speed, hydraulically-driven fan
PROPEL SYSTEM	Variable-displacement hydraulic pumps
	Two-speed hydraulic motor. Direct hydraulic, single speed planetary final drives.
	Feet/minute meter (or meters/minute)
SPEED	Paving speed: 0-260 fpm (79.25 m/min)
	Travel speed: 0-8.8 mph (14 k/hr)
BRAKE SYSTEM	Hydrodynamic disc caliper brakes, and parking brake
TIRES	(2) hydroflated high flotation 16:00-24 sand rib drive tires
	Dual 12” (304 mm) x 22” (559 mm) front bogies
OPERATOR STATIONS	(2) Comfort Drive™ operator stations. Operator stations can slide out past edge of machine for increased visibility.
	Deluxe four-way adjustable, ride-control tension seats
	Comfort Drive™ finger tip paver function control and tilt steering wheel
	Water bottle holder. Operator sunshade.
FUME EXTRACTION SYSTEM	Clearview FXS™ fume extraction system with one blower. Fold down exhaust stack.
FRONT HOPPER CAPACITY	11 Ton (10 MT) / 202 Cu. Ft. (5.7 cu. m). Self-dumping.
FEED SYSTEM	Independently-driven, variable-speed feeder conveyors with 400 BHN liners
	Electric flow gates for proper material distribution behind paver
	Sonic feeder control system
	Cast, 14” (355 mm) dia., 0.75” (19mm) thick, ni-hard augers. Hydraulically raise, lower and tilt auger assembly. Rear augers can be controlled independent of feeders.
FUEL TANK	90 gal (340 L)
COOLING SYSTEM	5 gal (19 L)
HYDRAULIC FLUID TANK	49 gal (185 L)
LUBRICATION SYSTEM	Remote, central-point tractor lubrication
WARNING SYSTEM	Amber warning beacon. Back-up alarm. Horn switch at each operator station.
FIRE EXTINGUISHER	Included
WASH-DOWN SYSTEM	Retractable hose reel with 30’ (9.1 m) hose length.
CONNECTIONS TO SCREED	Electrical wiring and hydraulic hoses included

OPTIONS

LIGHTING	Road Light Package – (6) 12 V Lights (2 Hopper - 2 Tunnel - 2 Screed)
	Premium Light Package –(5) 500W halogen lights, (2) 150W lights, (4) 120 V outlets at machine corners
	Airstar Balloon Light Assembly –(2) 500W halogen bulbs, fan, telescoping pole, two brackets & case.
	Additional amber beacon
FRONT WHEEL ASSIST	Additional hydraulic moters on both rear bogies. Also available as retrofit.
TUNNEL EXTENSIONS	12” (305mm) tunnel extensions
	12” (305mm) hydraulic tunnel extensions
AUGER EXTENSIONS	12” (305mm), 0.75” (19mm) thick ni-hard auger extensions. Right-hand or left hand.
6’ (1829mm) AUGER & TUNNEL EXTENSION PACKAGE	36” (914mm) auger and tunnel extensions for each side. Comes with all necessary hardware including outboard auger bearing supports and tunnel extension braces. Additional 12” (305mm) auger and tunnel extension segments can be added to each side. Does not include any screed extensions.
REVERSING DISTRIBUTION AUGERS	Retrieve material when bringing extensions in
REAR BALLAST KIT	Use to increase traction
TRUCK HITCH	Controls rollers that engage to truck’s wheels (replaces push rollers)
HOPPER INSERT	For use with Shuttle Buggy® MTV
LUBRICATION	Automated lubrication system
RELEASE AGENT SPRAY DOWN SYSTEM	(16) Gallon (60 L) tank, pump. Used with standard 30’ (9.1 m) retractable hose on reel.
ADDITIONAL SUN SHADE	Includes mounting hardware.

SCREEDS*

ROADTEC S-8	Standard, fixed-width 8’ (2.4 m) electrically-heated, vibratory screed. 26” (660 mm) long screed plate.	Paves up to 16’ (4.8m) wide with optional extensions.
CARLSON EZIII-8	Front extendable 8’ (2.4 m), electrically heated, vibratory screed. 26” (660mm) long screed plate.	Paves up to 13’-6” (4.1m) wide and up to 20’ (6 m) wide with optional extensions.
CARLSON EZIV-8	Front extendable 8’ (2.4 m), electrically-heated, vibratory screed. 26” (660mm) long screed plate.	Paves up to 19’ (5.8m) wide and up to 13’-6” (4.1m) wide and up to 24’ (7.3m) with optional extensions.
ROADTEC EAGLE® 8	Rear extendable 8’ (2.4m) electrically-heated, vibratory screed. 20” (508mm) long screed plate.	Paves up to 15’-6” (4.7m) wide and up to 24’ (7.3m) with optional extensions.
ALL SCREED PLATES FOR ABOVE	0.5” (12.7mm) thick 400 Brinell wearing surface.	Replaceable and reversible.

SCREED OPTIONS

HYDRAULIC SCREED ASSIST PACKAGE	For Eagle screed. Constant up pressure on screed while in pave mode (forward and neutral). Also available as retrofit.
HYDRAULIC SCREED BOOST PACKAGE	Pressurizes screed lift cylinders when paver is stopped in neutral to prevent depression in mat. Adjustable lifting pressure. Adjustable time for pressure release with forward motion (0, 3 or 6 seconds). Also available as retrofit.

CONTACTING SCREED AUTOMATION

Single Sundstrand® grade control with hardware (use as joint matcher or for additional grade sensor with dual grade operation)
Sundstrand grade & slope control with hardware. (1) grade sensor for longitudinal grade and (1) slope sensor for transverse slope.
Sundstrand grade w/ jack assembly as spare
Available averaging skis. 30’ multi-foot. 40’ multi-foot. Over-the-screed front-to-rear.

NON-CONTACTING SCREED AUTOMATION

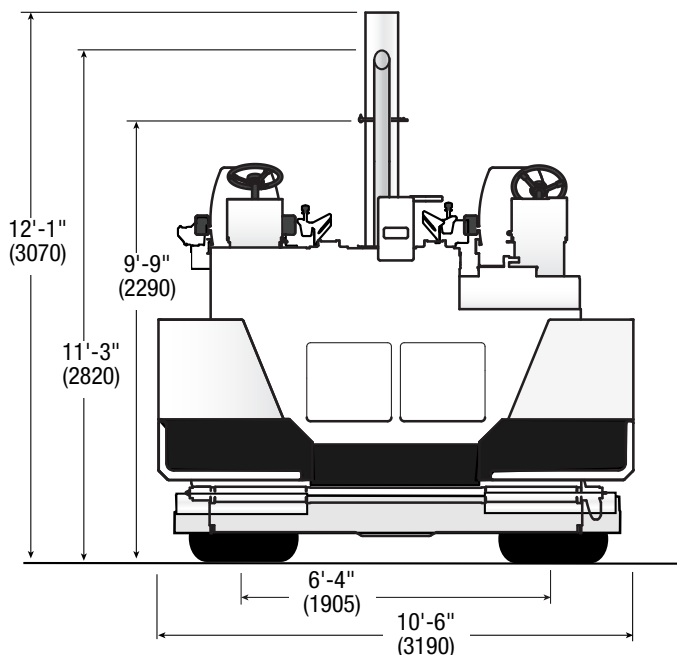
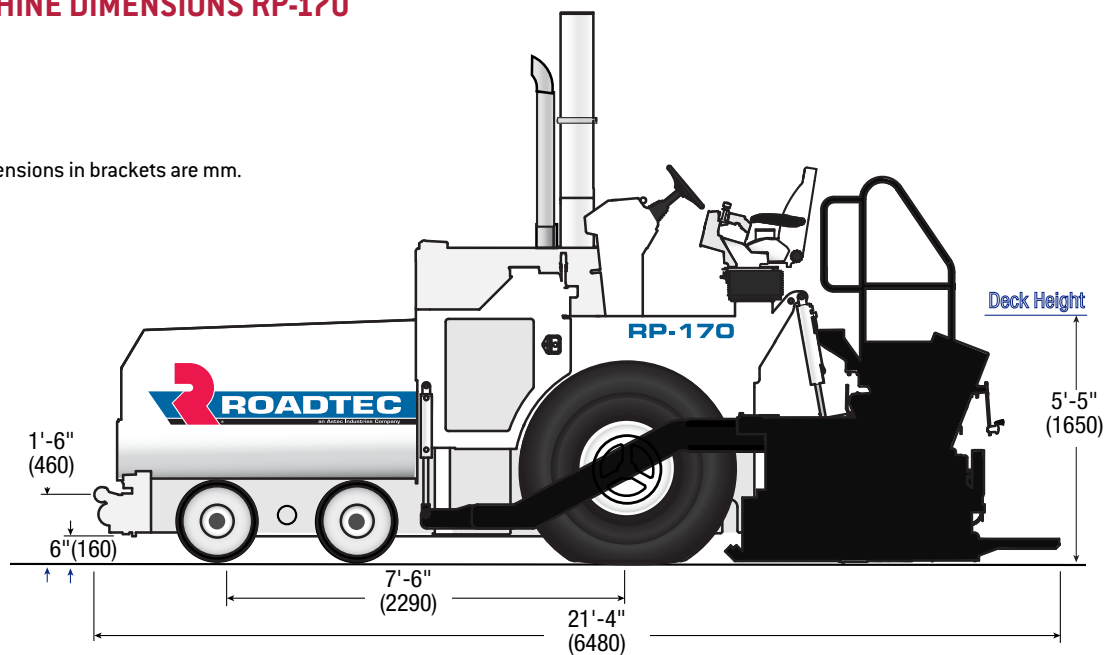
TOPCON® sonic grade & slope control. Dual sonic grade sensors & single slope sensor.
MOBA® sonic grade & slope control. Dual sonic grade sensors & single slope sensor.
TOPCON sonic averaging ski with hardware. (3) Additional sonic trackers. (TOPCON sonic grade & slope system required.)
MOBA sonic averaging ski with hardware. (2) Additional sonic trackers. (MOBA sonic grade & slope system required.)

* See screed specification sheet for complete screed descriptions.

ROADTEC

MACHINE DIMENSIONS RP-170

Dimensions in brackets are mm.



SHIPPING WEIGHTS (APPROXIMATE)

TRACTOR ONLY	31,000 lbs (14,061kg)
S-8	5,300lbs (2,400kg)
CARLSON EZIII-8	5,500lbs (2,495kg)
CARLSON EZIV-8	6,350lbs (2,880kg)
EAGLE 8	7,500lbs (3,400kg)