



TECHNICAL SPECIFICATIONS AND OPTIONS



The RP-190e is a powerful, heavy-duty rubber tire paver for highway work offering operator comfort and safety with 360° visibility, fingertip controls, fully adjustable seats, low noise levels, and fume extraction systems. The exclusive Roadtec anti-segregation design gives consistent pavement quality. Dependable and tough.

ROADTEC

SPECIFICATIONS

ENGINE	CAT® 7.1 Liter, 6-Cylinder, Tier 4 interim. One year engine warranty standard.
	225 HP (168 kW) Diesel @ 1,800 rpm
CHASSIS	.75" (19mm) thick continuous side sheets
	2" (50 mm) thick front cross frame member
	Oscillating push rollers
	Hydraulic engine hood-raise with manual back-up
ELECTRICAL SYSTEM	Two 4D batteries. 150 Amp alternator.
	24 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: 0-284 fpm (86 m/min)
	Travel speed: 0-12mph (19 k/hr)
BRAKE SYSTEM	Hydrodynamic disc caliper brakes and parking brake
TIRES	{2} hydroflated high flotation 18:00-25 sand rib drive tires
	Dual 14" (356 mm) x 22" (559 mm) front bogies
OPERATOR STATIONS	{2} hydraulically rotating Comfort Drive™ operator stations. Operator stations can rotate out past edge of machine for increased visibility. Controls move with seat.
	Deluxe three-way adjustable, ride-control tension seats
	Comfort Drive™ finger tip paver function control and tilt steering wheel
	Steering assist for inside turning radius of 4'-6" (137cm)
	Water bottle holder. Operator sunshade.
FUME EXTRACTION SYSTEM	Clearview FXS™ fume extraction system with dual fans draws fumes from auger tunnels, engine, and front hopper away from operator area. No exhaust stacks.
FRONT HOPPER CAPACITY	13.8 Ton (12.5 MT) / 252 ft³ (7.1 m³). Self-dumping.
FEED SYSTEM	Independently-driven, variable-speed feeder conveyors with heavy-duty, offset link conveyor chain
	650 BHN center chromium carbide clad conveyor plates. No bolts.
	550 BHN cast head and tail plates
	Dual-hinged apron plate for convenient access and clean-out
	Electric flow gates for proper material distribution behind paver
	Sonic feeder control system
	Cast, 16" (406 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	135 gal (511 L)
COOLING SYSTEM	8.75 gal (33 L)
HYDRAULIC FLUID TANK	76 gal (288 L)
LUBRICATION SYSTEM	Remote, central-point tractor lubrication
WARNING SYSTEM	Amber warning beacon. Back-up alarm. Horn button at each operator station.
FIRE EXTINGUISHER	Included
STANDARD LIGHT PACKAGE	Road Light Package – {6} 24V lights {2 hopper, 2 tunnel, 2 screed}
RELEASE AGENT SPRAY DOWN SYSTEM	17.5 gallon (66L) environmental release agent tank, pump, retractable hose reel with 30' (9.1 m) hose length. Dual washdown (diesel and/or release agent).
CONNECTIONS TO SCREED	Electrical wiring and hydraulic hoses included

OPTIONS

ADDITIONAL LIGHTING	Premium Light Package –{8} 24V High-intensity discharge (HID) lights for higher levels of light.
	Airstar Balloon Light Assembly –{2} 500W halogen bulbs, fan, telescoping pole, two brackets & case.
	Additional amber beacon
FRONT WHEEL ASSIST	Additional hydraulic motors on both rear bogies. Also available as retrofit.
TUNNEL EXTENSIONS	12" (305mm) tunnel extensions
	18" (457mm) 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.
20.5' (6248mm)AUGER & 20.75' (6325mm) TUNNEL EXTENSION PACKAGE	Extends augers to 20.5' (6248mm) and tunnels to 20.75' (6325mm). Additional 12" (305mm) auger and tunnel extension segments can be added to each side for total of 22.5' (6858mm) of augers and 22.75' (6934mm) of tunnels.
REVERSING DISTRIBUTION AUGERS	Retrieve material when bringing extensions in
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
ADDITIONAL SUN SHADE	Includes mounting hardware.

SCREEDS*

ROADTEC S-10	Standard, fixed-width 10' (3.0m) electrically-heated, vibratory screed. 32" (813mm)long screed plate.	Paves up to 30' (9.1m) wide with optional extensions.
CARLSON EZIII-10	Front extendable 10' (3m), electrically heated, vibratory screed. 26" (660mm) long screed plate.	Paves up to 17' (5.2m) wide and up to 25' (7.6m) with optional extensions.
CARLSON EZIV-10	Front extendable 10' (3m), electrically-heated, vibratory screed. 26" (660mm) long screed plate.	Paves up to 19' (5.8m) wide and up to 25' (7.6m) with optional extensions.
ROADTEC EAGLE® 10	Rear extendable 10' (3m) electrically-heated, vibratory screed. 20" (508mm) long screed plate.	Up to 19'-6" (5.9m) wide and up to 26' (7.9m) 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

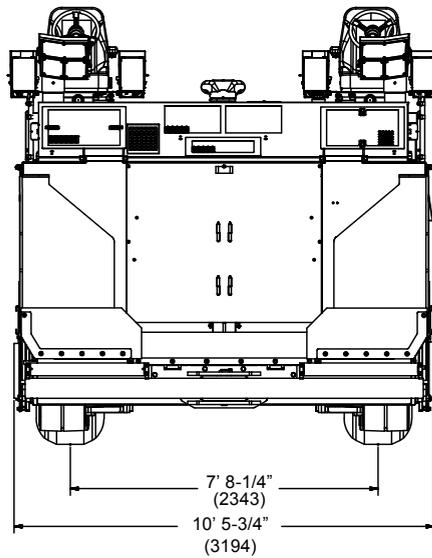
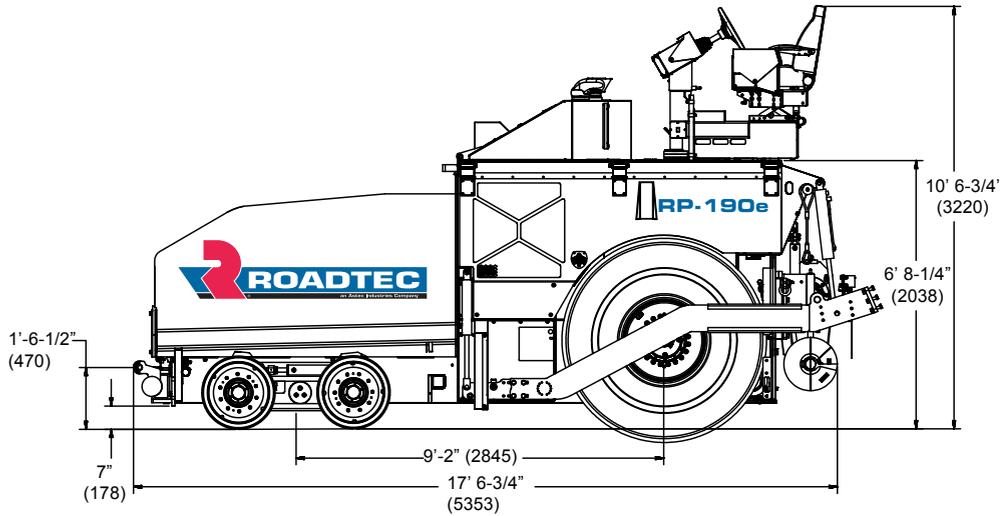
TOPCON® sonic grade & slope control. Dual sonic grade sensors & single slope sensor.
MOBA® sonic grade & slope control. Dual sonic grade sensors & single slope sensor.
TOPCON sonic averaging ski with hardware. {3} Additional sonic trackers. (TOPCON sonic grade & slope system required.)
MOBA sonic averaging 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-190e

Dimensions in brackets are mm.



SHIPPING WEIGHTS (APPROXIMATE)

TRACTOR ONLY	38,800 lbs (17,600kg)
S-10	6,200lbs (2,812kg)
CARLSON EZIII-10	6,100lbs (2,770kg)
CARLSON EZIV-10	7,200lbs (3,270kg)
EAGLE 10	8,200lbs (3,720kg)