



# 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

|                               |  |
|-------------------------------|--|
| <b>ENGINE</b>                 | CAT® 6.6 L, 6 Cylinder Tier III. One year engine warranty standard.  |
|                               | 174 HP (130 kW) Diesel @ 2,200 rpm   |
| <b>CHASSIS</b>                | .5” (13mm) thick continuous side sheets  |
|                               | 4” (102 mm) thick front cross frame member   |
|                               | Oscillating push rollers   |
| <b>ELECTRICAL SYSTEM</b>      | Two 4D batteries. 115 Amp alternator   |
|                               | 12 Volt system with master disconnect switch   |
|                               | Electric-over-hydraulic solenoids with manual override   |
| <b>COOLING SYSTEM</b>         | Low noise, variable speed, hydraulically-driven fan  |
| <b>PROPEL SYSTEM</b>          | Variable-displacement hydraulic pumps  |
|                               | Two-speed hydraulic motor. Direct hydraulic, single speed planetary final drives.  |
|                               | Feet/minute meter (or meters/minute)   |
| <b>SPEED</b>                  | Paving speed: 0-260 fpm (79.25 m/min)  |
|                               | Travel speed: 0-8.8 mph (14 k/hr)  |
| <b>BRAKE SYSTEM</b>           | Hydrodynamic disc caliper brakes, and parking brake  |
| <b>TIRES</b>                  | (2) hydroflated high flotation 16:00-24 sand rib drive tires   |
|                               | Dual 12” (304 mm) x 22” (559 mm) front bogies  |
| <b>OPERATOR STATIONS</b>      | (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.  |
| <b>FUME EXTRACTION SYSTEM</b> | Clearview FXS™ fume extraction system with one blower. Fold down exhaust stack.  |
| <b>FRONT HOPPER CAPACITY</b>  | 11 Ton (10 MT) / 202 Cu. Ft. (5.7 cu. m). Self-dumping.  |
| <b>FEED SYSTEM</b>            | 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. |
| <b>FUEL TANK</b>              | 90 gal (340 L)   |
| <b>COOLING SYSTEM</b>         | 5 gal (19 L)   |
| <b>HYDRAULIC FLUID TANK</b>   | 49 gal (185 L)   |
| <b>LUBRICATION SYSTEM</b>     | Remote, central-point tractor lubrication  |
| <b>WARNING SYSTEM</b>         | Amber warning beacon. Back-up alarm. Horn switch at each operator station.   |
| <b>FIRE EXTINGUISHER</b>      | Included   |
| <b>WASH-DOWN SYSTEM</b>       | Retractable hose reel with 30’ (9.1 m) hose length.  |
| <b>CONNECTIONS TO SCREED</b>  | Electrical wiring and hydraulic hoses included   |

### OPTIONS

|   |   |
|---|---|
| <b>LIGHTING</b>   | 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   |
| <b>FRONT WHEEL ASSIST</b>                               | Additional hydraulic moters on both rear bogies. Also available as retrofit.  |
| <b>TUNNEL EXTENSIONS</b>                                | 12” (305mm) tunnel extensions   |
|   | 12” (305mm) hydraulic tunnel extensions   |
| <b>AUGER EXTENSIONS</b>                                 | 12” (305mm), 0.75” (19mm) thick ni-hard auger extensions. Right-hand or left hand.  |
| <b>6’ (1829mm) AUGER &amp; TUNNEL EXTENSION PACKAGE</b> | 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. |
| <b>REVERSING DISTRIBUTION AUGERS</b>                    | Retrieve material when bringing extensions in   |
| <b>REAR BALLAST KIT</b>                                 | Use to increase traction  |
| <b>TRUCK HITCH</b>                                      | Controls rollers that engage to truck’s wheels (replaces push rollers)  |
| <b>HOPPER INSERT</b>                                    | For use with Shuttle Buggy® MTV   |
| <b>LUBRICATION</b>                                      | Automated lubrication system  |
| <b>RELEASE AGENT SPRAY DOWN SYSTEM</b>                  | (16) Gallon (60 L) tank, pump. Used with standard 30’ (9.1 m) retractable hose on reel.   |
| <b>ADDITIONAL SUN SHADE</b>                             | Includes mounting hardware.   |

### SCREEDS\*

|                                    |   |   |
|------------------------------------|---|---|
| <b>ROADTEC S-8</b>                 | 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.   |
| <b>CARLSON EZIII-8</b>             | 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.                       |
| <b>CARLSON EZIV-8</b>              | 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. |
| <b>ROADTEC EAGLE® 8</b>            | 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.                           |
| <b>ALL SCREED PLATES FOR ABOVE</b> | 0.5” (12.7mm) thick 400 Brinell wearing surface.  | Replaceable and reversible.   |

### SCREED OPTIONS

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| <b>HYDRAULIC SCREED ASSIST PACKAGE</b> | For Eagle screed. Constant up pressure on screed while in pave mode (forward and neutral). Also available as retrofit.  |
| <b>HYDRAULIC SCREED BOOST PACKAGE</b>  | 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

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| 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

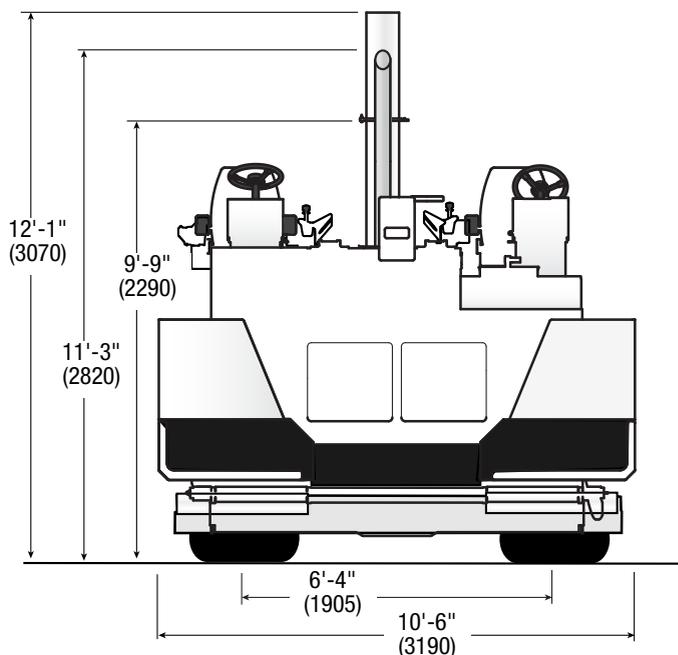
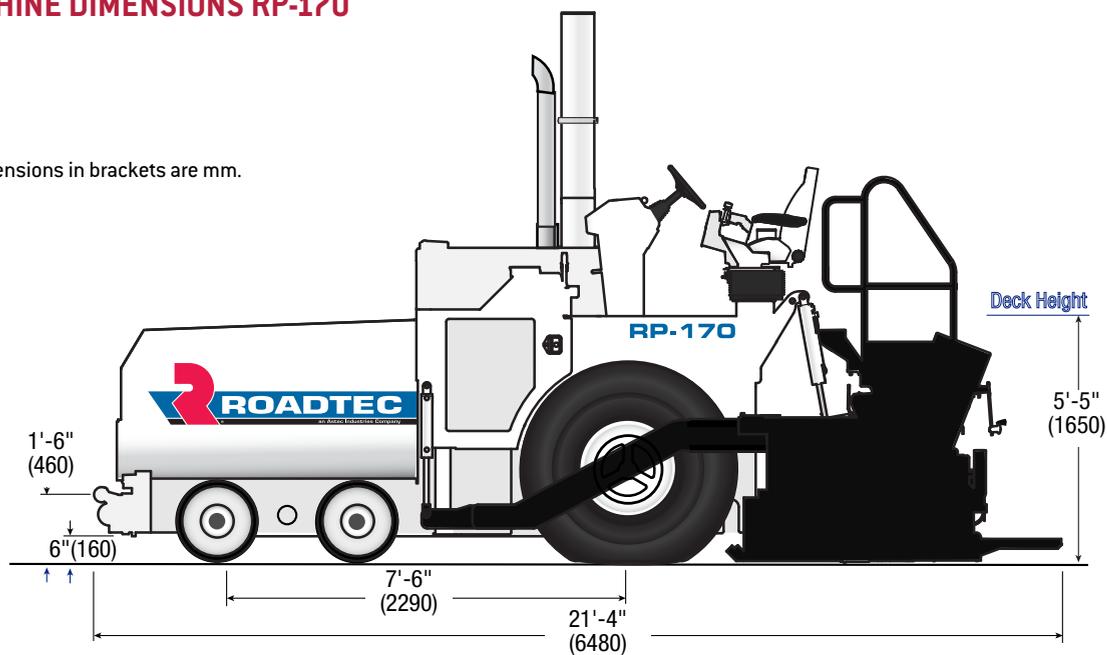
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|--|
| TOPCON® sonic grade & slope control. Dual sonic grade sensors & single slope sensor.                                   |
| MOBA® sonic grade & slope control. Dual sonic grade sensors & single slope sensor.                                     |
| 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)    |