

RP-175e

Highway Class Asphalt Paver



Engine

- Tier 4F, Cummins® QSB6.7 174hp (130kW) @ 2,200 rpm
- Tier 3, Cummins® QSB6.7 174hp (130kW) @ 2,200 rpm

Weights

- 32,500lb (16,102kg)

Chassis

- .5" (13mm) thick continuous side sheets
- 2" cross frame with 2" push plate/roller

Electrical System

- Two 4D batteries & 115 amp alternator
- 24v system with master disconnect switch
- Electric-over-hydraulic solenoids with manual override and LED indicators

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

Tracks

- 14" (355mm) wide, steel-reinforced, smooth tread rubber track

Fume Extraction System

- Clearview FXS® fume extraction system. Clear view to the front and to the augers

Brake System

- Hydrodynamic

Paving Speed

- 0-200 fpm (60 m/min)

Travel Speed

- 0-7 mph (12.8 k/hr)

Operator Stations

- (2) Comfort Drive™ operator stations. Operator stations can pivot out past edge of machine for increased visibility
- Armrest Comfort Drive™ finger tip paver function control
- Dual electric-over-hydraulic joystick control

Front Hopper Capacity

- 10 Tons (9 mt)

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, 16" (406 mm) dia., 0.75" (19 mm) thick, Ni-hard augers. Hydraulically raise, lower and tilt auger assembly. Rear augers can be controlled independent of feeders

Service Capacities

- Fuel tank - 81 gal (308 l)
- Hydraulic fluid tank - 66 gal (249 l)
- Cooling system - 8.75 gal (33 l)
- DEF - 5 gal (19 l)

Non-Contacting Screed Automation

- TOPCON® sonic grade & slope control
- MOBA® sonic grade & slope control
- TOPCON® sonic averaging ski with hardware
- MOBA® sonic averaging ski with hardware

S-8 Screed

- Standard, fixed-width 8' (2,438mm) electrically-heated, vibratory screed. 26" (660mm) long screed plate
- Paves up to 24' (7.32m) wide with extensions

EZIV-8 Screed

- Front extendable 8' (2,438mm), electrically heated, vibratory screed. 26" (660mm) long screed plate
- Paves up to 15' (4.57m) wide

Eagle® 8

- Rear extendable 8' (2.44m) electrically-heated, vibratory screed. 20" (508mm) long "u" shaped, reversible, screed plate
- Paves up to 15' 6" (4.72m) wide

All Screeds

- 0.5" (12.7mm) thick 400 Brinell® wearing surface
- Thermostat controlled electric heat with 34kW generator
- Standard outlets for additional lighting and accessories

Hydraulic Screed Assist Package

- For Eagle® screed. Constant up pressure on screed while in pave mode (forward and neutral)

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 (0-10 seconds)

Tractor Options

- Front wheel assist
- Hydraulic tunnel extensions

Physical and Operating Characteristics

Dimension	Standard	Metric
Engine MFG	Cummins®	
Model	QSB 6.7	
Max Power	173hp @ 2,200 rpm	130kW @ 2,200 rpm
Number of Cylinders	6	
Electrical System	24v	
Shipping Length (Tractor Only)	16' 3"	4.953m
Shipping Length With Rear Mount Screed	22' 5"	6.832m
Shipping Width	8' 10"	2.693m
Shipping Height	10' 1/4"	3.067m
Tractor Operating Width	10' 5"	3.175m
Wheelbase	6' 4"	1.905m
Weight of (Tractor Only)	29,280lb	13,281kg
Weight with S-8 Screed	34,580lb	15,685kg
Weight with EZ-IV-8 Screed	35,630lb	16,161kg
Fuel Tank Capacity	81 gal	306 ltr
Hydraulic Tank	66 gal	250 ltr
Cooling System	8.75 gal	33 ltr
DEF Tank Capacity	5 gal	19 ltr
Final Drive	2 speed	
Number of Drive Pumps	2	
Number of Drive Motors	2	
Paving Speed	0-300 fpm	80 mpm
Travel Speed	0-10 mph	14 kph
Rear tire size	16.00-24	
Front tire size	12" x 22"	559 x 304mm
Steering	Wheel	
Controls movement	Hydraulic swing	
Suspension	Rubber Tire	
Front Bogies	Balanced	
Hopper Width	10" 5"	3.175m
Hopper Capacity	11.5 tons	10.4 mt
Feed Control	Sonic and Flow Gates	
Auger Diameter	16"	406mm
Distance Between Augers and Back Wall	1.5"	38mm
Minimum Auger Height	2"	51 mm
Hydraulic Tunnel Extensions	Optional	