

# CP100 Commercial Class Paver

Highway Class Inspired Performance In A Commercial Class Platform



- ◆ One Piece Frame Construction And Heavy Duty Components For Longer Machine Lifecycle And Superior Quality
- ◆ Powerful, Fuel Efficient 100hp Caterpillar 3.4B Tier IVi Engine
- ◆ Industry-Leading Carlson E2C815 Screed With Standard Paving Width Of 8 Feet To 15 Feet
- ◆ One Piece Folding Hood And Best-In-Class Accessibility For Easy Maintenance
- ◆ Heavy-Duty Hopper With 8.5-Ton Material Capacity And Lift Angles That Exceed Pavers In Its Class



# CP100 Commercial Paver

Engine

## The Power You Want, The Access You Need

Powered with a 100 horsepower Caterpillar® 3.4B Tier IVi turbocharged engine, the CP100 gives operators and contractors exceptional fuel economy, responsive power, and high torque. Coupled with its load sensing hydraulic system that provides flow and pressure only when required, the CP100 has emerged as one of the most reliable, efficient and highest quality commercial pavers available.

Maintenance on and around the engine is easy and accessible with Carlson's industry leading engine compartment layout. With a one piece, forward tilting hood, large side doors, and front access panel in the hopper, maintenance and service to the CP100's engine, hydraulics and electrical can be done quickly and comfortably for more productivity and less machine downtime.



Heavy-Duty

## Built To Last

For Carlson, "heavy-duty" is not a convenient buzzword or slogan. To us, it's how we build our CP100 and why it sets us apart in the commercial class market. With its single piece steel frame, 1/2" steel hopper walls, heavy duty lift cylinders and hydraulic self-tensioning track system the CP100 is engineered to the highest standard to ensure the longest machine lifecycle.



The CP100 is built with conveyor chains that are 25% stronger than pavers in its class, replaceable 3/8" 500 Brinell floor plates, highway class auger bearings and 7/8" 500 Brinell auger flights to give longer lifecycles and better performance. Conveniently located remote greasing points for quick lubrication help keep the paver in optimal shape.



Simply put, the CP100 will run longer, lay more material, and decrease maintenance costs more than any other commercial class paver.

Visibility

## See What You Pave

No two operators are exactly the same, and that is why Carlson's CP100 is not built to be one size fits all. With the choice of a two-man or three-man high deck set up, the CP100 gives contractors the choice of positions depending on their preference. The CP100's sloped engine compartment allows clear line of sight to the hopper and trucks in any configuration, while see-through grating gives optimal visibility to the augers for close monitoring of material distribution and screed operation.



3-Man High Deck



Every CP100 comes with adjustable control consoles that enable operators to find the most comfortable position for operating the paver. Able to tilt down 40° and swing out 30°, operators do not have to trade off comfort for visibility with the CP100.

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## Paving Further and Longer

Combining innovation and heavy duty components, the CP100's material distribution system is in a league of its own in giving owners and operators prolonged machine lifecycle and increased productivity. The 8.5 ton material capacity allows the CP100 to pave further between trucks while its class-leading lift angles from its heavy-duty lift cylinders gives the paver even greater material flow. The CP100 utilizes heavy duty conveyor chains and slats to effectively and efficiently move material, while conveniently located remote greasing points and chain tensioners add to the system's robust and long lifecycle.



Material is delivered via two horizontally sliding damper doors with adjustable hardened guides for maximum life. This Carlson unique innovation allows a class leading 10" of ground clearance below the augers and keeps obstructions, such as utility boxes, from damaging the damper doors. The adjustability of the opening, combined with class-leading auger flights, contributes to exceptional and even material distribution for better density across the entire width of the screed.

A robust and innovative platform, the CP100's hopper and material distribution system couples ease of maintenance with worry-free operation and clean-up so you can focus on the job at hand.

## Pave With A Carlson Screed

Carlson, the industry leader in highway class screeds and paving innovations, has incorporated their nearly 30 years of experience in building the next generation of commercial paver screed. The electrically heated EZC815 screed, standard on the CP100, utilizes Carlson's unique and robust hydraulic extension system that enables extendable width paving up to 15 feet and up to 17 feet with bolt-ons. With sturdy 2" chrome rods and an adjustable slide track system, movement of extensions is greatly reduced to ensure consistent paving and superb mat quality at any width.



The EZC815 screed is built with many of the same features as its highway class brothers, including full length element hold downs, manual crown, spring loaded endgates, adjustable vibration, and Carlson's innovative deck cones for screed plate adjustments and replacement. With its standard tool box, tool trays, 110v outlet and cup holders, the CP100 gives screed operators more standard conveniences and crew comforts than any other machine in its class. The EZC815 is also available with many options including power crown and manual slope. Built and backed by the industry's most qualified personnel, the EZC815 is the industry's leading commercial-class screed, giving a wider range of paving options, greater longevity, better mat quality and more ease of maintenance to contractors.

Material Distribution

EZC Screed



With a wide array of attachments and options, the CP100 can be customized for any contractor to meet the specific needs of any job. All of Carlson's attachments and options are built with heavy-duty parts to ensure long lifecycles and exceptional performance. Just some of the attachments and options that Carlson offers for the CP100 include:

- ◆ **LED Blade Light:** One of the brightest and most energy efficient industrial-grade construction lighting systems on the market, Carlson's LED Blade Light produces the same amount of light as a 2000 watt halogen light while using 90% less power. With its 110/220v AC and 12/24v DC capability, the Blade Light can be attached to your paver or any machine in your fleet for brilliant, fuel efficient lighting for night projects.
- ◆ **Electric Power Steering:** In lieu of direct connect cable steering, the CP100 can be equipped with electric steering wheel controls. Utilizing computer controlled electronic EDC's on the pumps and speed sensors on the motors, Carlson's steering wheel option provides the most accurate electronic steering available.
- ◆ **Grade And Slope Automation:** Whether you need single grade, dual grade or dual grade with slope, Carlson has operators covered by proudly offering automation systems for the CP100. And with every machine prewired for automation, contractors can use their own systems for precision paving.
- ◆ **Other available options include:**
  - Carlson Safety Edge Endgate
  - Citrus Washdown Tank
  - 8 Flood LED Light Package
  - Power Crown
  - High Output LED Lights
  - Integrated Berm

And Many More.



## SPECIFICATIONS

### DIMENSIONS

Tractor Width (Hopper Sides Up)	8' 2.5"
Tractor Width (Hopper Sides Down)	10' 1"
Track Length	87"
Track Ground Contact	68"
Loading Ramp Angle	Forward 20 , Backward 15
Length	13' 11"
Paver Weight	16,450 lbs
Screed Weight	3,000 lbs
Hopper Inside Width Opening	10'
Hopper Dump Clearance	27"
Hopper Capacity	8.5 Tons
Conveyor Floor Plate Thickness	3/8" 500 Brinell
Auger Flight Thickness	7/8" 500 Brinell
Auger Speed Maximum	110rpm
Auger Diameter	12"

### CAPACITIES

Fuel Tank	30 gal
Cooling System Capacity	11 qts
Hydraulic Reservoir Capacity	45 gal
Electrical System	12 Volt w/ 80amp Alternator

### DRIVE AND SCREED

Engine	100HP CAT 3.4 Tier IVi
EZ-Pave	105 fpm
Full Pave	155 fpm
Travel	230 fpm
Reverse	230 fpm
Standard Paving Width	8'
Paving Width (Min/Max)	4'-17'
Paving Width (Doors Closed)	0'-4'
Paving Depth Compacted (Min/Max)	1/4"-8"

Materials and specifications are subject to change without notice. Featured machines and photos may include optional equipment. 2016 Carlson.

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