

AP500E

Asphalt Paver



Smoothness Built-in

- Wheel undercarriage
 - Oscillating front wheels easily overcome obstacles with minimal tow-point movement
 - Large ground-contact area delivers good flotation and traction
- Advanced screed assist
 - Provides upward force on the screed, eliminates settling
 - Independent settings for standby and pave modes
- Material Delivery System
 - AS4252C screed with single main screed plate provides rigidity and stability
 - Independent control of each auger and each conveyor
 - automatic controls ensure precise delivery
 - Over-sized components run slower for reduced material segregation and parts wear



Advisor Display

Mobility Between Jobs

- High travel speed of 16 km/hr
- 16 700 kg operating weight w/AS4252C, ideal size to transport with 7 or 10 ton roller

Versatility

- Wheel undercarriage
 - Stability, traction, mobility, and ride quality
- AS4252C Screed
 - Up to 7 m paving width
 - 3200 kg weight
 - Single main screed plate
 - Cat Grade and Slope controls
 - Optimized operator access to tractor

Ultimate Operator Comfort

- Total fumes management
 - Optimizes air-flow for improved operating conditions, engine cooling system, optional ventilation system
- Good visibility to truck driver, hopper, auger chamber, finished mat
- Dual Operating Stations
 - Easily change operating side with flip of switch
 - No bundles of cables and hoses to move from side to side
 - Redundancy in controls keep paver running
- Simple to use controls
 - Automotive-type steering wheels
 - Rugged switches with tactile feel
 - Cat® Advisor provides on-board diagnostics, calibrations, and parameter settings to match operator preferences



Fumes Management



Mobility on the Job

- Three propel/steering modes modify response for better control
 - Pave, travel and maneuver
 - Maneuver mode provides an industry best inside turning radius of 0.75 m
- Steering assist
 - Power is distributed to rear wheels according to steering angle of front wheels
 - Traction to pave through turns and push trucks around curves
- Front wheel assist and all-wheel drive options



AP500E Asphalt Paver Specifications

Optional Equipment

Operating Weights*

Tractor	12 945 kg	28,539 lb
with AS4252C	16 145 kg	35,594 lb

Machine Dimensions (operating)

Tractor length with push roller	4.38 m	(14' 4")
Overall machine length w/screed		
AS4252C (walkway deployed)	5.75 m	(18' 10")
Tractor operating width (hopper lowered)	3.31 m	(10' 10")

Transport Dimensions

Transport height (exhaust, canopy, seat lowered)	3.10 m	(10' 2")
Transport width with screed end gates (hopper raised)	2.75 m	(9' 0")
Transport width w/o screed end gates (hopper raised)	2.55 m	(8' 4")

Screed Paving Width

AS4252C, maximum range	2.55 m - 7.0 m	8' 2" - 23'
Maximum paving depth	305 mm	12"

- Auger and Mainframe Extensions
- Auxiliary Power Panel
- Canopy (Folding)
- Decelerator Pedals
- Ecological Washdown System and Hose Reel
- Feeder Sensor (Mechanical or Sonic)
- Front Wheel Assist or All-Wheel Drive
- Fumes Extraction
- Grade and Slope Controls (Cat/Topcon)
- Leveling Devices
- Lights (Working or Ramping)
- Oscillating Push Roller
- Power Folding Front Apron
- Power Mainframe Extensions
- Product Link
- Road Homologation
- Screed Extensions
- Tow-point Indicators (Upper)
- Truck Hitch
- Umbrella
- Up-time Kit
- Warning Beacon
- Wide Width Paving Packages

Optional equipment may vary per region, contact your local Cat Dealer for more information.

The Cat® Advantage - Single Source Provider

	Cat Dealer	Competitive Dealer	Comment
Convenient worldwide dealer locations	✓		More than our 5 largest competitors combined
Engine service	✓		Cat machines feature Cat engines
Machine service	✓	✓	
Service technician trained for paving equipment	✓		Cat technicians trained on Cat machines
24/7/365 parts availability on most service parts	✓		Long lead times for competitive OEM parts
New OEM parts	✓		Competition offers inferior aftermarket parts
Reconditioned OEM parts	✓		Rebuilt to OEM spec by Cat Reman
Available financing options	✓		Available through Cat Financial
Application expertise	✓		Personnel understand the paving business
Machine rental	✓		Keeps your capital expense low
Products with high resale value	✓		Durable Cat machines built to last

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For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Featured machines in photos may include additional equipment.
See your Cat dealer for available options.

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