



Cat[®]

AP500F PAVER

FEATURES:

HIGH RETURN ON INVESTMENT

- Exclusive 70 kW integrated generator, designed for long life by the same team that developed the D7E electric drive dozer
- Fast heating screed leads to more daily production, heating time in as little as 15 minutes
- Excellent turning capability, fast travel leads to increased production
- Exclusive air flow design improves operating conditions for the crew and keeps components cooler for lasting durability

TECHNOLOGY THAT WORKS FOR YOU

- Exclusive screed heating system monitors elements for failure conditions, eliminates unnecessary replacement
- Cat[®] Grade and Slope option integrated in the tractor and screed displays for optimized operator efficiency
- Propel and feeder system settings transfer between stations with a single switch
- Auto-fill feeder system simplifies setup
- Single touch feeder system activation optimizes efficiency
- Automated travel feature; augers and hydraulic mainframe extensions raise with the screed, preventing damage during transport
- Product Link™ remotely monitors machine location, daily hours of operation, fuel consumption, fault codes, and preventative maintenance status, for optimal machine support

HIGH QUALITY RESULTS, HIGHER EARNINGS

- SE50-Series screeds deliver excellent ride, density, and mat texture while providing superior adjustment, available with Tamper-bars and vibration or vibration only
- Tow-point utilizes exclusive linkage design for optimal screed flotation
- Exclusive 2-speed proportional control on the screed extenders

LOW OWNING AND OPERATING COSTS

- Exclusive Eco-mode and Automatic Engine Speed Control, reduce fuel consumption and lower sound levels for better comfort and communication
- 4-pump feeder system is designed for high production in Eco-mode, leads to lower fuel consumption
- Million cycle switches provide reliability
- Conveyor bed plates and chain guards designed to minimize labor requirements and provide lower cost replacement
- Heating elements slide-out for easy replacement
- Machined screed frames simplify screed plate replacement

UNMATCHED AFTER-THE-SALE SUPPORT

- Strategically located dealers with 24/7 support
- In-the-Iron service training for technicians
- Paver Operator Training helps maximize machine performance
- Project consulting helps improve technique and job site management

Specifications:

Engine – Powertrain

Cat C4.4 ACERT™ Engine* 106 kW 144 hp (M), 142 hp (I)

* Two engine options are available to meet U.S. EPA Tier 4 Final/EU Stage IV emission standards as well as emissions equivalent to U.S. EPA Tier 3, EU Stage IIIA, and China Stage III.

Engine speed - maximum/minimum	2200/1000 rpm
Eco-mode	1650 rpm
Screed heating - standard width (Quiet)	1300 rpm
Screed heating - w/extensions (Quick)	1300 to 2200 rpm

Speed ranges:

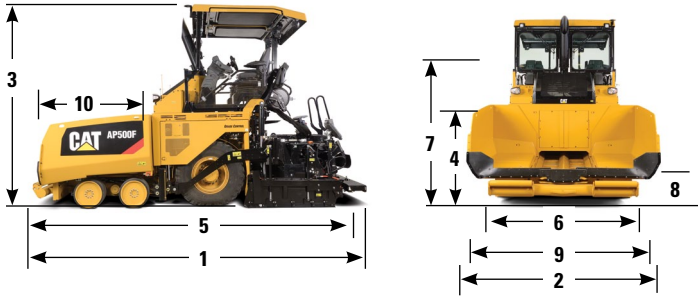
Paving	76 mpm	250 fpm
with Tamper-bar screed	25 mpm	82 fpm
Travel	16 km/hr	10 mph

Weights

AP500F Paver only - shipping	12 970 kg	28,599 lb
AP500F Paver only - operating	13 161 kg	29,020 lb
<i>Operating weight includes full fuel tank and 75 kg (165 lb) operator.</i>		
SE50 V Screed only	3284 kg	7,239 lb
SE50 VT Screed only	3490 kg	7,695 lb



Paver Specifications



Dimensions:

1	Operating length with SE50 V, SE50 VT	6291 mm	20' 7"
2	Operating width	3306 mm	10' 10"
3	Operating height, top of exhaust stack	3877 mm	12' 8"
4	Operating deck height	1780 mm	5' 10"
5	Transport length with SE50 V, SE50 VT	6213 mm	20' 4"
6	Transport width - w/SE50 w/endgates	2762 mm	9' 1"
	Transport width - w/SE50 w/endgates folded	2550 mm	8' 4"
7	Transport height - canopy retracted	3048 mm	10'
	Transport height - without canopy	2920 mm	9' 7"
8	Truck entry height - manual apron	510 mm	20"
	hydraulic apron	496 mm	19.5"
9	Truck entry width	3194 mm	10' 6"
10	Hopper length with push-roller - minimum	2121 mm	6' 11"
	Hopper length with push-roller - maximum	2320 mm	7' 7"

Optional Equipment

- Air-ride Seat w/Heat
- All-Wheel Drive
- Auger and Mainframe Extensions
- Ballast (front bumper)
- Cat Grade Controls
- Decelerator Pedals
- Ecological Washdown System
- Feeder Sensor (mechanical or sonic)
- Front-Wheel Assist
- Hard Top Canopy
- HID Lights
- Leveling Devices
- Lights (Working or Roading)
- Oscillating Push Roller
- Power Folding Front Apron
- Power Mainframe Extensions
- Power Panel
- Product Link
- Screed Extensions
- Tamper Pump
- Tow-point Indicators (Upper)
- Truck Hitch
- Umbrella
- Up-time Kit
- Warning Beacon
- Wide Width Paving Packages
- Windshield w/Hard Top Canopy

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

QEHQ1955 (10-2015)

©2015 Caterpillar Inc. All Rights Reserved.

CAT, CATERPILLAR, BUILT FOR IT, ACERT, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "PowerEdge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

Product ID: AP500F



Electrical System

Starting and Charging	24-volt, 100-amp alternator
Batteries	Two, 1000 CCA
Generator/Auxiliary power	70 kW/ 6.6 kW
Machine Security System	Wire-ready
Product Link System	Wire-ready

Capacities

Maximum throughput capacity	1168 tonnes/h	1,288 tph
Hopper capacity with tunnels	6.7 m ³	237 ft ³
Fuel tank	179 L	47 gal
DEF (Urea) capacity	19.1 L	5 gal
Engine oil	7.0 L	1.85 gal
Cooling system	30 L	7.9 gal
Hydraulic tank	107 L	28 gal

Screed Specifications

Standard paving range:		
w/SE50 V, SE50 VT	2.55 - 5.0 m	8' 4"-16' 4"
Maximum paving width:		
w/SE50 V	6.5 m	21' 4"
w/SE50 VT	6.5 m	21' 4"
Maximum paving depth	305 mm	12"
Extender height range	-20 mm to +50 mm	
Crown range:		
SE50 V	-4% to +10% (total)	
SE50 VT	-2% to +5% (per side)	
Extender slope range:		
SE50 V	-3% to +10%	
SE50 VT	-3% to +2%	