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 rise 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

Operating weight includes full fuel tank and 75 kg (165 lb) operator.

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

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 m³, 237 ft³
- 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%