



# Cat<sup>®</sup> AP1000F PAVER

## FEATURES:

### HIGH RETURN ON INVESTMENT

- Higher resale value: long-life components, and latest engine emissions technology
- 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

### ADVANCED TECHNOLOGY

- Exclusive screed heating system monitors elements for failure conditions, eliminates unnecessary replacement
- Cat<sup>®</sup> 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

- SE60 XW screeds deliver excellent ride, density, and mat texture while providing superior adjustment capabilities up to 7.65 m (25')
- SE60 V screed delivers great ride and mat qualities while providing versatility in urban areas as well as interstate applications
- 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
- Keypad switches have been tested to 1-million cycles without failure
- 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 C7.1 ACERT™ Engine		
Australia, U.S., and Canada*	168 kW	225 hp
* Engine meets U.S. EPA Tier 4 Final/E.U. Stage IV emission standards.		
Number of cylinders	6	
Engine speed - maximum/minimum	2200/1100 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	19.9 km/hr	12 mph

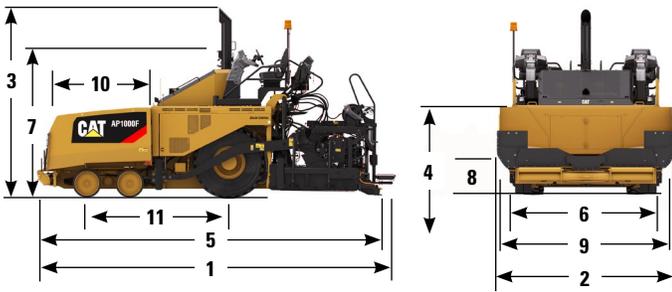
### Weights – Australia, U.S., and Canada

AP1000F (tractor only - shipping)	15 526 kg	34,228 lb
AP1000F (tractor only - operating)	15 794 kg	34,820 lb
AP1000F with SE60 V screed	19 044 kg	41,985 lb
AP1000F with SE60 V XW screed	19 719 kg	43,472 lb
AP1000F with SE60 VT XW screed	20 602 kg	45,419 lb

*Operating weights include full fuel tank and 75 kg (165 lb) operator.*



# AP1000F Specifications



## Dimensions:

<b>1</b>	Operating length with SE60 V screed	6860 mm	22' 6"
	Operating length with SE60 V XW, VT XW	7050 mm	23' 2"
	Length without screed and canopy	5563 mm	18' 3"
<b>2</b>	Operating width - standard entry hopper	3350 mm	11' 0"
	Operating width - low entry hopper	3600 mm	11' 10"
<b>3</b>	Operating height with canopy, (top of beacon)	4000 mm	13' 1"
	Operating height without canopy	3715 mm	12' 2"
<b>4</b>	Operating deck height	1791 mm	5' 11"
	Transport length with SE60 V	6720 mm	22' 1"
<b>5</b>	Transport length with SE60 V XW, VT XW	6910 mm	22' 8"
	<b>6</b>	Transport width with endgates	3211 mm
Transport width - endgates folded		3000 mm	9' 10"
<b>7</b>	Transport height - canopy retracted	3100 mm	10' 2"
	Transport height - without canopy	3000 mm	9' 10"
<b>8</b>	Truck entry height with standard entry hopper		
	Manual apron	572 mm	22" 5"
<b>9</b>	Truck entry height with low entry hopper		
	Manual apron	529 mm	21"
<b>10</b>	Truck entry width - standard entry hopper	3224 mm	10' 7"
	Truck entry width - low entry hopper	3490 mm	11' 6"
<b>11</b>	Hopper length, with pushroller - minimum	2414 mm	7' 11"
	Wheel base	2776 mm	9' 1"

## Screed Specifications

Standard paving range	3.0 - 5.95 m	10' - 19' 6"
Maximum paving width with extensions	7.65 m	25'
Maximum paving depth	305 mm	12"
Crown range - SE60 V, V XW*	-3% to +10%	
SE60 VT XW**	-1.5% to 5%	
Extender height range	-20 mm to + 50 mm	
Extender slope range	-3% to +10%	

\* Scale indicator represents total crown for the screed.

\*\* Scale indicator represents crown for each side of the screed.

Note: Total crown capability is the same for both vibratory and tamper bar screeds.

## Electrical System

Starting and Charging	24-volt
Alternator	115 amp
Batteries	Two, 1400 CCA
Generator	70 kW
Auxiliary power capability	6.6 kW
Machine Security System	Wire-ready
Product Link System	Wire-ready
Remote jump-start	Yes
Cat Grade and Slope	Integrated

## Capacities

Maximum throughput capacity	1602 tonnes/h	1,766 tph
Hopper capacity with tunnels		
Standard entry hopper	7.6 m <sup>3</sup>	267 ft <sup>3</sup>
Low entry hopper	8.1 m <sup>3</sup>	286 ft <sup>3</sup>
Fuel tank	348 L	92 gal
DEF (Urea) capacity	19.1 L	5 gal
Cooling system	45.4 L	12 gal
Engine oil	16 L	4.2 gal
Hydraulic tank	219 L	58 gal

## Optional Equipment

- Air-ride Seat w/Heat
- Auger and Mainframe Extensions
- Auxiliary Power Panel
- Ballast (front bumper)
- Cat Grade Control
- Decelerator Pedals
- Ecological Washdown System
- Feeder Sensor (mechanical or sonic)
- Front Wheel Assist or All-Wheel Drive
- Hard Top Canopy
- HID Lights
- Leveling Devices
- Lights (Working or Roading)
- Oscillating Push Roller
- Power Folding Front Apron
- Power Mainframe Extensions
- Product Link
- 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](http://www.cat.com)

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