



# Cat®

## AP1055F

### 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
- Mobil-trac™ undercarriage limits tow-point movement for excellent paving results
- 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® 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; Cat exclusive
- 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 10 m (33')
- 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.                    |                  |         |  |
| Cat C7.1 Engine                                                                           |                  |         |  |
| China, Middle-East, Russia, South America**                                               | 186 kW           | 249 hp  |  |
| ** Engine meets emissions equivalent to U.S. EPA Tier 3 and E.U. Stage IIIA requirements. |                  |         |  |
| 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                                                                                    | 70 fpm           | 230 fpm |  |
| With Tamper-bar screed                                                                    | 25 fpm           | 82 fpm  |  |
| Travel                                                                                    | 14.5 km/hr       | 9 mph   |  |

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

|                                    |           |           |
|------------------------------------|-----------|-----------|
| AP1055F (tractor only - shipping)  | 16 691 kg | 36,804 lb |
| AP1055F (tractor only - operating) | 17 031 kg | 37,553 lb |
| AP1055F with SE60 V screed         | 20 452 kg | 45,090 lb |
| AP1055F with SE60 V XW screed      | 21 128 kg | 46,580 lb |
| AP1055F with SE60 VT XW screed     | 21 918 kg | 48,320 lb |

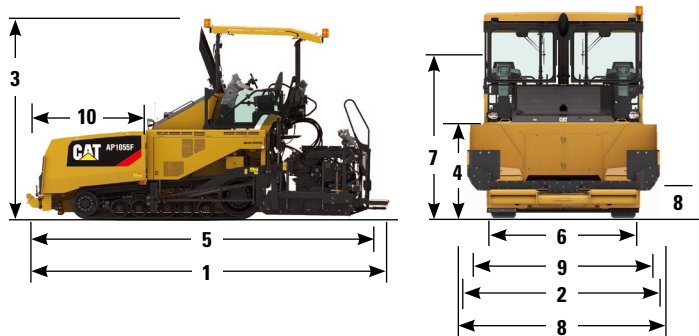
### Weights - China, Middle-East, Russia, South America

|                                    |           |           |
|------------------------------------|-----------|-----------|
| AP1055F (tractor only - shipping)  | 16 716 kg | 36,852 lb |
| AP1055F (tractor only - operating) | 17 355 kg | 38,261 lb |
| AP1055F with SE60 V screed         | 20 618 kg | 45,455 lb |
| AP1055F with SE60 V XW screed      | 21 128 kg | 46,580 lb |
| AP1055F with SE60 VT XW screed     | 21 918 kg | 48,320 lb |

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



# AP1055F Specifications



## Dimensions:

|           |                                               |         |         |
|-----------|-----------------------------------------------|---------|---------|
| <b>1</b>  | Operating length with SE60 V screed           | 6840 mm | 22' 5"  |
|           | Operating length with SE60 V XW, VT XW screed | 7030 mm | 23' 1"  |
|           | Operating length without screed               | 5609 mm | 18' 5"  |
| <b>2</b>  | Operating width – standard entry hopper       | 3350 mm | 11' 0"  |
|           | Operating width – low entry hopper            | 3604 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"  |
| <b>5</b>  | Transport length with SE60 V screed           | 6710 mm | 22' 0"  |
|           | Transport length with SE60 V XW, VT XW screed | 6900 mm | 22' 8"  |
| <b>6</b>  | Transport width - with endgates               | 3211 mm | 10' 6"  |
|           | Transport width - endgates folded             | 3000 mm | 9' 10"  |
| <b>7</b>  | Transport height - canopy retracted           | 3060 mm | 10'     |
|           | Transport height - without canopy             | 2930 mm | 9' 7"   |
| <b>8</b>  | Truck entry height with standard entry hopper |         |         |
|           | Manual apron                                  | 570 mm  | 22.5"   |
|           | Hydraulic apron                               | 616 mm  | 24"     |
|           | Truck entry height with low entry hopper      |         |         |
|           | Manual apron                                  | 521 mm  | 20.5"   |
|           | Hydraulic apron                               | 587 mm  | 23"     |
| <b>9</b>  | Truck entry width - standard entry hopper     | 3224 mm | 10' 7"  |
|           | Truck entry width - low entry hopper          | 3490 mm | 11' 6"  |
| <b>10</b> | Hopper length with pushroller - minimum       | 2414 mm | 7' 11"  |

## Screed Specifications

|                                      |                   |              |
|--------------------------------------|-------------------|--------------|
| Standard paving range                | 3.0 - 5.95 m      | 10' - 19' 6" |
| Maximum paving width with extensions | 10 m              | 33'          |
| 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
- Ballast (front bumper)
- Cat Grade and Slope Controls
- Decelerator Pedals
- Ecological Washdown System
- Feeder Sensor (mechanical or sonic)
- Friction Steering
- Hard Top Canopy
- HID Lights
- Leveling Devices
- Lights (Working or Roading)
- Smooth/treadbar belt
- Oscillating Push Roller
- Power Folding Front Apron
- Power Mainframe Extensions
- Product Link
- Tow-point Indicators (Upper)
- Track Plow
- Truck Hitch
- Umbrella
- Up-time Kit
- Warning Beacon
- Wide Width Paving Packages
- Windshield w/hard top canopy

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