



# Cat<sup>®</sup> AP1055

## Asphalt Paver

***The Cat<sup>®</sup> AP1055 asphalt paver is a rubber track paver that delivers a high-return on investment with its extremely versatile Mobil-trac<sup>™</sup> undercarriage that delivers speed, traction, and flotation. This high-production paver offers a fast-heating screed system, durable components, and easy to use technology.***

### High Return on Investment

- Exclusive 70 kW integrated generator delivers fast, reliable screed heating and is 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<sup>™</sup> undercarriage design delivers excellent traction, good flotation, and fast travel that helps lead 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

- Pave Start Assistant saves set-up profiles for repeatable use on future job sites including: tow-point height, screed heat temperature, paving speed, paving width, paving depth, crown, extender slope and height, screed assist, and screed locking features
- A hopper level sensor (option) with temperature indication keeps the operator informed of material height and delivery temperatures, indicators are located in each tractor display
- Exclusive screed heating system monitors elements for failure conditions and helps eliminate unnecessary replacement
- Cat<sup>®</sup> Grade Control option is integrated into the tractor and screed displays for optimized operator efficiency

### High Quality Results, Higher Earnings

- Versatile screed designs deliver excellent ride, density, and mat texture while providing superior adjustment; available with front-mount extenders, rear-mount extenders, or tamper-bar systems
- Tow-point design utilizes exclusive linkage for optimal screed flotation
- Exclusive 2-speed proportional control on the screed extenders
- Cat Grade Control is a factory-integrated guidance system that helps remove irregularities from the surface and control mat thickness for increased production, lower operating costs, and higher profitability

### 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
- Enhanced hopper flashing with increased memory and temperature resiliency offers better performance during truck exchanges



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## More Comfort

- Ventilation system draws fumes from the auger chamber and redirects them away from the operator for a more comfortable working environment
- Dual operating station provide back-up capability and complete control from either side of the machine, each station can swing-out beyond the frame for good all-around visibility
- Heated seat option, pneumatic suspension, multiple adjustments, and tilting consoles provide day-long comfort
- Eco-mode provides low sound levels that supports clear communication with the crew
- High visibility 76 mm (3") seat belt helps with crew safety compliance
- USB port simplifies software updates
- Cup holders offer convenience

## Easy Viewing Displays, Simple Operation

- Touch-screen displays with adjustable brightness control enable operators to fine-tune performance in various lighting conditions
- Touch-screen access simplifies activation of the generator and auxiliary power, while also providing easy adjustments to screed plate heating temperatures, tamper and vibratory speeds, Cat Grade Control (option), and stored operator preferences
- Operating displays can be tailored to specific language requirements with multiple options available

## Cat Electronics

- Cat Electronic Control Modules (ECM) and ET compatibility simplifies diagnostics and trouble-shooting procedures

## Product Link™ Elite

- Make timely, fact-based decisions to maximize efficiency, improve productivity, and lower owning and operating costs
- Easily track location, machine hours, fuel usage, and idle time
- Diagnostic codes are made available through online web applications

## Service and Repair Kits

- Paver and screed service and repair kits include the parts necessary to complete specific repairs
- Cat genuine parts are manufactured to precise specifications and designed for optimal performance and maximum uptime
- Repair kits are identified by a single part number to make ordering easy
- Select kits are available to be packaged as a kit by the dealer for over-the-counter purchases or through the dealer service shop

## Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
<b>OPERATING ENVIRONMENT</b>		
Air-ride seat		✓
Canopy – hard top		✓
Deceleration pedal		✓
Dual operating stations	✓	
Friction steering		✓
Heated seats		✓
Side shields		✓
Steering guide	✓	
Tow-point indicator		✓
Umbrella – tractor/screed		✓
Ventilation system		✓
Visor – LCD screen		✓
Windshield – requires hard top canopy		✓
<b>TECHNOLOGY</b>		
Cat Grade Control		✓
Hopper level and material temperature indication		✓
Pave Start Assistant		✓
Product Link™ Elite 631(satellite)		✓
Product Link Elite 641 (cellular)	✓	
<b>POWERTRAIN</b>		
Automatic engine speed control	✓	
Ballast – front weights		✓
Cat C7.1 – six-cylinder	✓	
Cooling fan – variable speed	✓	
Eco-mode	✓	
Hydraulic oil – extended life	✓	
Mobil-trac™ belt – smooth belt		✓
Mobil-trac belt – tread bar belt		✓
<b>ELECTRICAL SYSTEM</b>		
1400 CCA batteries (2)	✓	
100 amp alternator	✓	
12-volt power receptacle	✓	
24-volt charging system	✓	
Auxiliary Power Panel - 6.6 kW		✓
Cat Electronic Technician (Cat ET)	✓	
Generator – 70 kW	✓	
Machine security – wire ready	✓	
Remote jump-start receptacle	✓	

	Standard	Optional
<b>MATERIAL DELIVERY</b>		
Auger extensions		✓
Leveling devices		✓
Mainframe extensions – manual		✓
Mainframe extensions – power		✓
Material feed sensors – contact	✓	
Material feed sensors – sonic		✓
Power folding front hopper apron		✓
Push-roller – adjustable	✓	
Wash-down pump and reel		✓
Washdown Tank		✓
Wide-width paving packages		✓
<b>SERVICE AND MAINTENANCE</b>		
Extended-life coolant to -35° C (-37° F)	✓	
Remote access drains and lubrication points	✓	
Service repair kits		✓
Sampling ports for Scheduled Oil Sampling (S.O.S <sup>SM</sup> )	✓	
Sight Gauges – engine coolant, hydraulic oil	✓	
Uptime kit		✓
<b>SAFETY</b>		
Alarm – back-up	✓	
Horn – warning (front & rear)	✓	
Lights – working	✓	
Lights – roading		✓
Mirror package	✓	
Vandal covers	✓	
Warning – LED safety beacons		✓

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## Technical Specifications

### PowerTrain

Engine model	Cat C7.1	
Rated power @ 2200 rpm	186 kW	249 hp
Global emissions: <i>US EPA Tier 3, EU Stage IIIB equivalent</i>		
Speed – paving with tamper screed	25 mpm	82 fpm
Speed – travel	14.5 km/hr	9 mph

### Machine Weight

Paver only (shipping)	17 015 kg	37,513 lb
w/SE60 VT XW screed (operating)	21 912 kg	48,308 lb

*Operating weights are approximate and include canopy, coolant, lubricants, full fuel tank, and 75 kg (165 lb) operator*

### Service Refill Capacities

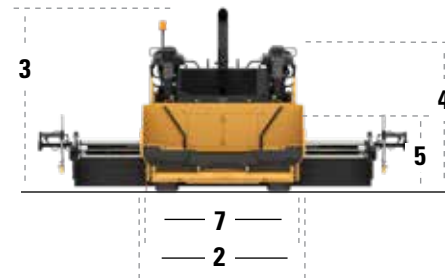
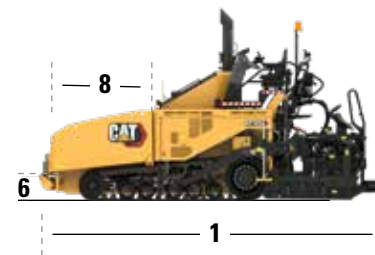
Maximum throughput capacity	1602 Tonnes	1766 Tons
Cooling system	45 L	12 gal
Engine oil	16 L	4.2 gal
Fuel tank	348 L	92 gal
Hydraulic tank	219 L	58 gal
Washdown spray tank	30 L	7.9 gal

### Paving Range With Extensions

SE60 VT XW screeds	3.0 m - 10.0 m	10' - 33'
Paving depth	305 mm	12"

### Dimensions

1	Operating length w/SE60 VT XW	7034 mm	23' 1"
	Shipping length w/SE60 VT XW	6910 mm	22' 8"
	Shipping width w/end gates - SE60 VT XW	3211 mm	10' 6"
	Shipping width w/end gates folded - SE60 VT XW	3000 mm	9' 10"
2	Operating width (low entry hopper)	3604 mm	11' 10"
3	Operating height with canopy	3861 mm	12' 4"
4	Shipping height w/canopy retracted	3056 mm	10'
5	Operating platform height	1792 mm	5' 11"
6	Truck entry height (low entry hopper)	529 mm	21"
7	Truck entry width (low entry hopper)	3492mm	11' 6"
8	Hopper length with push roller extended	2414 mm	7' 11"
	Auger diameter	406 mm	16"



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