

AP600 | AP655 AP1000 | AP1055

ASPHALT PAVERS



Engine Power

AP600, AP655

129 kW (173 hp)

AP1000, AP1055

168 kW (225 hp)

Paving Range

AP600 w/SE47 FM

2.44 m - 6.2 m (8' - 20' 6")

AP655 w/SE50 V

2.55 m - 6.5 m (8' 4" - 21' 4")

AP1000 w/SE60 FM

3.05 m - 7.8 m (10' - 25' 6")

AP1055 w/ SE60 V XW

3 m - 10 m (10' - 33')

See Technical Specifications for detailed engine emission information and a complete list of paving ranges.



CAT® ASPHALT PAVERS

SIMPLE. EFFICIENT. PROVEN.

Production class pavers and screeds offer performance features that excel on interstates, airports, and highways.



PRODUCTION-CLASS ASPHALT PAVERS

The Cat® line of production-class asphalt pavers provide durability, flexibility, and simple operation for a wide variety of applications.

- + ADVANCED TECHNOLOGY
- + ECO-MODE EFFICIENCY
- + SIMPLE AND QUIET

Ready to help you make your business stronger, Cat Asphalt Pavers provide new opportunities to get the most work done at the lowest cost—so you can put more money in your pocket.



ADVANCED TECHNOLOGY

Technological advances assist with operator performance. Pave start assistant is an option that simplifies setup for repeatable performance on job sites with similar paving requirements. An optional material height and temperature sensor combination helps keep the operator informed of mix level in the hopper. In addition, optional Thermal Mapping monitors and records mat temperatures to provide quality control details for both real-time and future use.

FUEL EFFICIENCY

To save fuel, Eco-mode combines with automatic engine speed control for optimal fuel efficiency. The engine speed operates at 1650 rpm when the propel lever moves from neutral and makes modifications based on engine load. Furthermore, the variable-speed, on-demand fan conforms to low temperature conditions and reduces power demand when full speed operation isn't necessary.

SIMPLE OPERATION

Touch-screen displays with similar functionality across the entire Cat Paver and Screed line simplifies component activation, while also providing easy adjustment to material delivery functions. Enhanced all-around visibility with swingout seats provide good sight lines from either side of the machine for precise control near obstacles.



EXCELLENT MOBILITY

INCREASES JOB SITE EFFICIENCY

Mobility is one of the keys to job site efficiency, maneuvering in confined areas, backing up to curbs and repositioning at the starting point are real advantages of the Cat® Mobil-Trac™ system.

SMOOTH TRANSITIONS

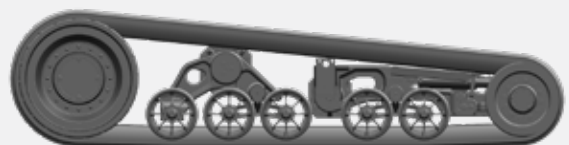
The Mobil-Trac undercarriage combines a large ground contact area with oscillating front and rear bogie sets that effortlessly crawl over milled cuts and surface irregularities to help limit tow-point movement and deliver smoother asphalt mats.

DURABLE COMPONENTS

When it comes to durability, rubber-coated components help shed asphalt and prevent accumulation that can cause premature wear. In addition, self-tensioning accumulators, center guide blocks, and rugged internal belt cables contribute to durability.

MORE REASONS TO CHOOSE A CAT MOBIL-TRAC™ UNDERCARRIAGE

- ✓ 48-MONTH BELT WARRANTY
- ✓ HIGH SPEED TRAVEL
- ✓ OSCILLATING TRIPLE BOGIE DESIGN
- ✓ SMOOTH RIDE
- ✓ EXCELLENT TRACTION



WHEEL UNDERCARRIAGE

The wheel undercarriage combines high travel speeds with mobility and smooth turning capabilities to efficiently move around the job site. In addition, front-wheel assist and all-wheel drive options help maintain consistent traction, while the power turning system helps provide steady speeds through curves and turnouts.



MOBILITY AND MANEUVERABILITY

Excellent mobility and fast travel speeds provide maneuverability around the job site. Additionally, sand-rib or radial drive tires offer tread options to meet contractor preferences.



ALL-WHEEL DRIVE

Optional all-wheel drive utilizes dual flow divider valves that power the front and rear bogie wheels on each side of the machine. If slippage occurs, the flow divider transfers pull to the opposite set of bogie wheels to provide traction.



FRONT-WHEEL ASSIST

The adjustable front-wheel assist option delivers power to the front set of bogie wheels for increased traction on loose base materials and when powering out of milled cuts. A flow divider transfers power to the opposite side front bogie wheel if slippage occurs.



POWER TURNING SYSTEM

The power turning system utilizes a position sensor located in the left steering cylinder that helps maintain consistent travel speeds when making turns to improve mat quality. Furthermore, the adjustable design modifies the drive speed of the propel motors according to the steering angle of the front wheels to help lessen wear on the drive system and provide traction.

FAST TRAVEL
WITH SMOOTH TURNING PERFORMANCE



Operating conditions can have a direct effect on performance and quality outcomes.

PERFORMANCE BOOSTING DESIGN ENHANCEMENTS



COOL, QUIET, AND SERVICEABLE

Eco-mode and Automatic Engine Speed Control combine to optimize engine speed and reduce sound levels, while the on-demand fan offers lower sound levels and draws ambient air from the side of the machine for enhanced cooling capability. The top-mounted cooling system is designed to direct fumes, hot air, and fan noise away from the crew.

The AP1000 (08A) and AP1055 (08A) cooling system can be equipped with optional pre-filtration to help minimize fines build-up in the cooling fins. The interchangeable, four piece set is located in the center housing on the top deck. In addition, the drive motors are mounted below the fan blades to simplify access for top-side cleaning.

The engine oil filter and drain on the AP1000 (08A) and AP1055 (08A) are mounted remotely inside the left compartment near the Diesel Exhaust Fluid (DEF) tank, making them easily accessible.



Optional pre-filters for the The AP1000 (08A) and AP1055 (08A) cooling system are located below the radiator and can be accessed from the top deck through the door panel of the center housing.



FINGER-TIP CONTROL

SIMPLIFIES ADJUSTMENTS

SIMILAR FUNCTIONS

Consistency and familiarity with paver and screed functions help operators perform at their best. Whether paving straight-line rural or urban applications, Cat pavers and screeds utilize similar functions across the product line that enables personnel to easily move between crews and train new members when necessary.

INTERACTIVE DISPLAYS

Interactive touchscreen displays are available with multiple language options. They provide access to screed heat activation, temperature control, tamper and vibratory speeds, service-code information, and stored operator preferences. As with all Cat pavers, the control panels also provide single-touch activation of the feeder system and hopper fold functions.

COMPONENT DURABILITY

The operating console is water resistant and meets IP67 common water submergence ratings. If an issue does arise, grouped component replacement eliminates the need to replace the entire console.

AUTOMATED FUNCTIONS

The versatility of adjustable and automated controls help operators efficiently manage material flow. Adjustable mix height dials assist when nearing obstacles and turnouts, while reversible augers and conveyors help manage material at the end of the pass. Furthermore, automated functions help provide consistency and fight fatigue when routine conditions exist.

CONSISTENCY DRIVES QUALITY

Consistent material flow is a critical component that can help contractors achieve quality targets. A low truck entry height combines with 406 mm (16") diameter augers too efficiently move material through the conveyors and auger chamber at both narrow and wide paving widths.

INDEPENDENT CONTROL

Mix height adjustment from the tractor LCD display offers more control, simply use the touchscreen to modify material height in the auger chamber.

SINGLE-TOUCH ACTIVATION

The single-touch feeder system activates the entire feeder system with a single button push for better efficiency, while auto-fill simplifies starts by alternating the conveyors and augers until the mix height reaches the sensor set point.

SIMPLIFIED CLEANOUT

The optional power folding apron simplifies cleanout. Additionally, to make cleanout easier, a cleanout/warmup mode activates the augers and conveyors at slow speed, enabling the application of release agents to help prevent material build-up.





FUEL EFFICIENT POWER

BALANCES PERFORMANCE

Lower fuel consumption, reduced sound levels, and easier communication are real advantages of the Advanced Eco-mode system.

BETTER FUEL ECONOMY

- + **Eco-mode** utilizes an engine speed of 1650 rpm and is well-suited for most paving applications.
- + **Automatic Engine Speed Control (AESC)** reduces engine speed to 1000 rpm when the propel lever is moved to neutral, or 1300 if screed heating is active.
- + **Advanced Eco-mode** combines Eco-mode and Automatic Engine Speed Control for optimal fuel efficiency. It increases engine speed to 1650 rpm when the propel lever moves from neutral and makes modifications based on engine load. If the upper power threshold is exceeded, the speed will increase to 2200 rpm until the load drops below the minimum threshold and remains there for 30 seconds.

INCREASE FUEL SAVINGS

Activate Eco-mode and Automatic Engine Speed Control for better engine efficiency and more fuel savings.



**AUTOMATIC ENGINE
SPEED CONTROL**



ECO-MODE

ADVANCED ECO-MODE DELIVERS

FROM 20% TO 30% MORE FUEL SAVINGS*

* Fuel savings may vary by paver model, paving conditions and application. Consult your Cat dealer for more information.



CAT GRADE CONTROL

OPTIMIZE YIELD AND QUALITY

The Cat Grade Control option is designed to help deliver smoother surfaces and control mat thickness for increased performance, lower operating costs, and higher profitability. Text-based user-friendly displays, accurate control, and reliability can help ensure quality targets are being met.



TEXT-BASED DISPLAYS

User-friendly system with text-based displays allow operation from the paver or screed consoles. Split-screen mode enables a single-side operator to monitor and adjust settings for each side of the screed.



RELIABLE SYSTEM

The highly reliable system utilizes water-resistant displays and sealed components with-stand heat, moisture, and vibration. The bright displays provide good visibility in direct sunlight and are compatible with Cat Electronic Technician (Cat ET) for simplified diagnostics.



EASY SETUP

Simple activation of the 10-valve speed auto-calibration helps eliminate over/under adjustment, while cross-coupling maintains slope and height when height adjustments are made.

IMPROVE ROAD QUALITY

Thermal segregation is one of the leading causes of road failure in the asphalt paving industry. Thermal variations leave uneven surface textures behind the screed. These variations cool more quickly and can lead to less than ideal compaction results and shorter life expectancy of the paved surface. To combat these variations, contractors can monitor surface temperatures of the asphalt utilizing an infra-red camera and a Global Navigation Satellite System (GNSS) enabled by RTK accuracy.

HOW IT WORKS

Thermal mapping utilizes an infrared camera mounted on a robust, fixed-position mast. The camera captures the entire width of the asphalt surface behind the screed. An LCD display mounted near the screed console provides real-time visibility to the surface being monitored. Data is automatically recorded and stored for future analysis. Both on-board and off-board storage are available.

LIVE VIEW

Monitoring mix temperatures as the asphalt is being placed can alert operators of potential issues before they become a major rework project. Early detection can be a real asset to the profitability of a contractor. In addition, an in-field report can be generated that assesses the overall temperature variation to help with future process control adjustments.



The live view display helps keep the operator informed of laydown mat temperatures.

THERMAL MAPPING

CONTROL THE OUTCOME



CAT® SDX SCREED PLATES

REDEFINE PAVING

INFLUENCE THE OUTCOME

The Cat® SDX Screed Plate design consists of an angular surface on the front of the plates with a tapering smooth surface near the back. The plates were designed to enhance the structural integrity of the asphalt, lessen compactor shoving, strengthen unconfined edges, and promote consistent surface temperature uniformity for enhanced density and smoothness when compared to traditional Cat screed plates. In addition, contractors are experiencing longer life and simplified replacement.

DENSITY AND SMOOTHNESS

The CatSDX screed plates angular design provides a kneading action that manipulates the mix as it passes from front to rear. This kinetic mixing action creates consistency across the width of the mat to help lower standard deviations between density readings and help meet Percent Within Limits (PWL) specifications.

INNOVATIVE FASTENING SYSTEM

Save time and effort when replacing Cat SDX Screed Plates. After a one-time installation of the adapter plates, screed plate changes are simplified using a unique lock-and-go system. The hardware-free locking system enables replacement in as little as 4 hours. The unique screed plate locking system is designed to eliminate hardware and simplify removal and installation procedures. Scheduled downtime for screed plate replacement is minimized with the simplified design.

DESIGNED TO WEAR LONGER

The Cat SDX Screed Plates are designed with cast chromium alloy materials that provide consistent properties throughout the plates to increase wear life when compared to standard screed plate designs. Furthermore, the modular design enables the extender plates to be interchanged with the opposite side to help extend life.



ASPHALT SCREEDS

SE47 FM (411) / SE60 FM

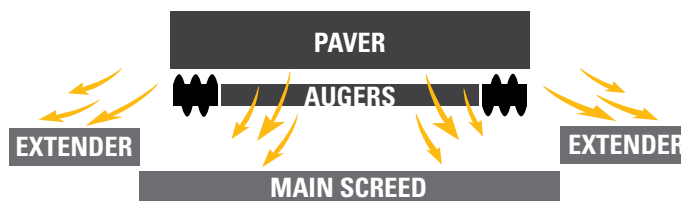
The Cat SE47 FM and SE60 FM Asphalt Screeds feature front extenders, multiple berm options, and a small foot print for starting next to curbs and other structures. The front extenders help simplify navigation around curbs, light poles, turnouts, and other obstacles.



FRONT EXTENDER VERSATILITY

- + Front extenders provide the ability to retract without first clearing material from the extenders, simplifying maneuverability around obstacles.
- + Power berm options provide 305 mm (12") and 457 mm (18") wide berms with a variable height up to 102 mm (4"). In addition, a 609 mm (24") berm is available for the SE60 FM.
- + Inner and outer strike-off adjustments are connected to provide single point modification.
- + Remote pendants provide pause and manual override for the augers and conveyors as well as adjustments to paving width, tow point position, grade control activation, and grade control adjustment.

FRONT-EXTENDER MATERIAL FLOW



ASPHALT SCREEDS

SE50 V / SE60 V

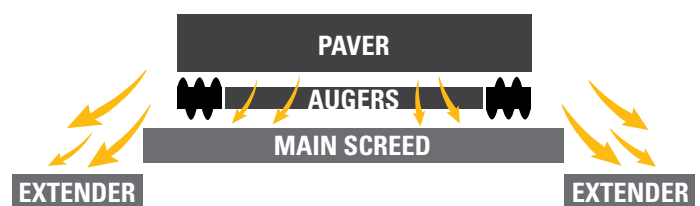
The SE50 V and SE60 V vibratory screeds utilize rear-mounted extenders and fast heating screed plates, making them a perfect fit for parking areas, business developments, as well as highways and other applications that require variable width paving. The low profile design offers good visibility that enables efficient control for smooth and consistent material flow.



REAR EXTENDER STABILITY

- + Rear extenders provide effortless material flow to the end gates when increasing paving widths.
- + 15 minute heat up time at standard width enables fast starts.
- + Proportional extender control with two speed ranges helps deliver smoother transitions when modifying paving widths.
- + Remote pendants provide pause and manual override for the augers and conveyors as well as adjustments to paving width, tow point position, grade control activation, and grade control adjustment.
- + A unique vibratory pod design delivers vibration to the screed plates to help provide compaction.

REAR-EXTENDER MATERIAL FLOW



ASPHALT SCREEDS

SE60 V XW

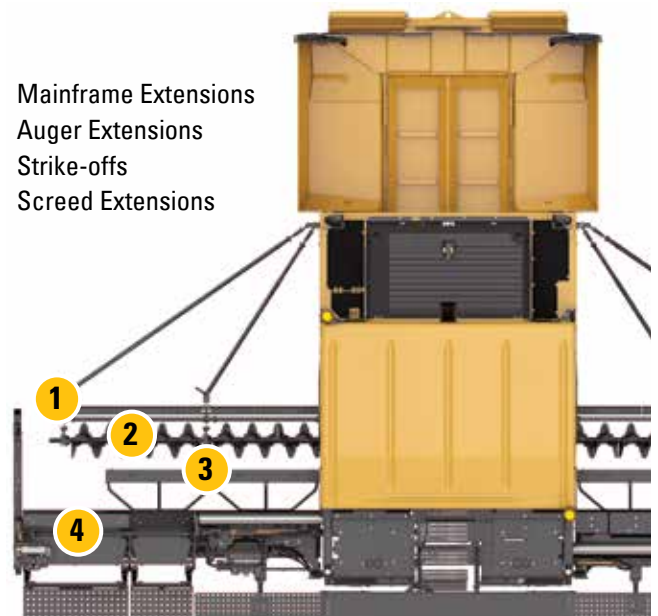
The SE60 V XW is equipped with vibratory screed plates and can be easily adjusted to achieve quality results. The rigid frame design provides excellent stability making it a perfect fit for airports, interstates, highways, and other high-production job sites.



WIDE-WIDTH PRODUCTION

- + The SE60 V XW offers a maximum paving width w/extensions of 10.0 m (33') and heat-up time in as little as 25 minutes with the full extension kit.
- + Power controls simplify adjustment across the entire 10.0 m (33') paving width.
- + Proportional extender control with two speed ranges helps deliver smoother transitions when modifying paving widths.
- + Remote pendants provide pause and manual override for the augers and conveyors as well as adjustments to paving width, tow point position, grade control activation, and grade control adjustment.
- + Screed extensions can be attached utilizing power slope on the extenders, eliminating the need for additional lifting devices.

1. Mainframe Extensions
2. Auger Extensions
3. Strike-offs
4. Screed Extensions



PARTS AND SERVICE

EXTEND MACHINE LIFE

REPAIR WITH GENUINE CAT PARTS

Whether you are a Do-it-myself, Do-it-with-me, or a Do-it-for-me customer, Cat dealers are ready to assist with parts orders to complete rebuilds of your equipment.

CERTIFIED PAVER REBUILDS – Take advantage of the extra value built into Cat equipment. The Cat Certified Rebuild Programs return your end-of-life machines, systems, and components to like-new condition at a fraction of the cost. From single component to complete machine options, we've got you covered.

DO-IT-MYSELF – If you prefer to do the work in-house, your Cat dealer can help you determine parts needs. One of our experts will utilize Caterpillar Service Information, or can perform a (TA1) visual inspection, or (TA2) technical inspection to help identify parts replacement needs.

DO-IT-WITH-ME – In addition to providing parts, Cat dealers can supplement your repair capabilities with fully trained technicians and specialized tooling.

DO-IT-FOR-ME – Cat dealers can manage the replacement of vital wear parts or a complete rebuild. Ask your dealer about an inspection and a repair option plan to meet your needs.



GET FULL ACCESS TO SERVICE AND REPAIR KITS

The Parts Reference Guide includes diagrams, part descriptions and part number lists for common wear and maintenance components to make online or in person ordering fast and easy.

DOWNLOAD THE PARTS
REFERENCE GUIDE TODAY!



CAT EQUIPMENT MANAGEMENT TECHNOLOGY

ELIMINATE THE GUESSWORK

Cat equipment management technology helps take the complexity out of managing multiple jobsites – by gathering data generated from equipment, materials, as well as people and serving it up in customizable formats.



VISIONLINK®

EQUIPMENT MANAGEMENT

VisionLink® takes the guesswork out of managing entire fleets regardless of size or equipment manufacturer.* Review equipment data from desktop or mobile devices to help maximize uptime and optimize assets. With interactive dashboards, VisionLink makes it easier for operations of all sizes to make informed decisions that lower costs and boost productivity. With various subscription-level options, Cat dealers can help determine what's needed to connect your fleet and help manage your business.

- + 24/7 Fleet Monitoring
- + Mixed Fleet Management
- + Optimize Fleet Utilization
- + Track Assets by Location
- + View Asset Health Status
- + Review Inspection Reports
- + Assign Maintenance Tasks
- + Schedule Downtime
- + Request Service Parts Orders
- + Download Summary Reports

REMOTE SERVICES

EQUIPMENT MANAGEMENT

Remote Services* is a suite of technologies that help improve jobsite efficiency.

- + **Remote Troubleshoot** allows Cat dealers to perform diagnostic testing and pinpoint potential issues on connected machines while in operation. It can also help ensure that technicians arrive with the correct parts and tools the first time, eliminating additional trips to save time and money.
- + **Remote Flash** allows updates to onboard software without a technician being present. Enabling the initiation of software updates when convenient can help increase overall operating efficiency.

* Must be within cell range coverage.

Caterpillar releases products, services and technologies in each region at different time intervals. Please verify with your local Cat dealer for technology availability and specifications.

AP600 (07A) TECHNICAL SPECIFICATIONS

POWERTRAIN	
Engine Model	Cat C4.4
Emissions	U.S. EPA Tier 4 Final
Engine Power @ 2200 rpm (ISO 14396-2002)	129 kW 173 hp
Speed – Paving	76 m/min 250 ft/min
Speed – Travel	16 km/hr 10 mph
Tire Size	Radial – 445/95 R25 Sand-rib – 16X24

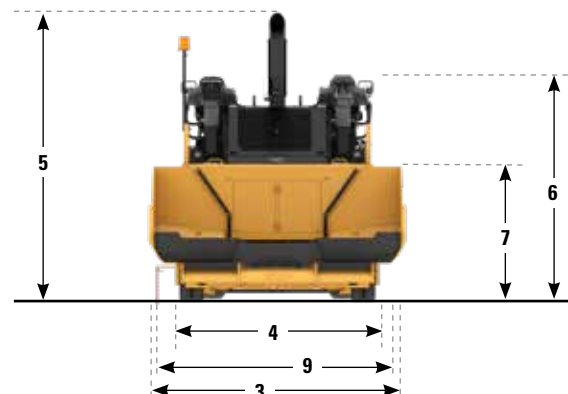
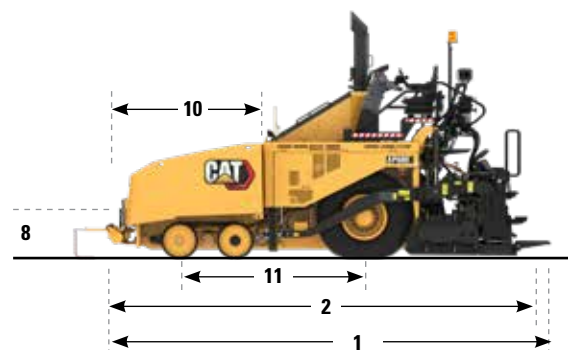
CAPACITIES	
Maximum Throughput Capacity	1300 Tonnes 1433 US Tons
Hopper Capacity	7.1 m ³ 250 ft ³
Fuel Tank	278 L 73 gal
Cooling System	31 L 8 gal
Engine Oil	13.5 L 3.6 gal
Hydraulic Tank	219 L 58 gal
Diesel Exhaust Fluid (DEF) Tank	19.1 L 5 gal
Washdown Spray Tank	30 L 7.9 gal

MACHINE WEIGHT	
Paver Only (shipping)	13 556 kg 29,391 lb
Operating w/ SE47 FM (411) Screed	16 659 kg 36,716 lb
Operating w/ SE50 V Screed	17 125 kg 37,754 lb
Operating w/ SE60 FM Screed	17 380 kg 38,316 lb
Operating w/ SE60 V Screed	17 262 kg 38,056 lb

Operating weights are approximate and include coolant, lubricants, full fuel tank, 75 kg (165 lb) operator, and grade control components.

PAVING RANGE	
SE47 FM (411) screed	
Standard Range	2.44 m - 4.7 m 8' - 15' 6"
Maximum Width w/ Extensions	6.2 m 20' 6"
SE50 V	
Standard Range	2.55 m - 5.0 m 8' 4" - 16' 4"
Maximum Width w/ Extensions	6.5 m 21' 4"
SE60 FM	
Standard Range	3.0 m - 6.0 m 10' - 19' 6"
Maximum Width w/ Extensions	7.8 m 25' 6"
SE60 V	
Standard Range	3.0 m - 5.94 m 9' 10" - 19' 6"
Maximum Width w/ Extensions	7.45 m 24' 6"

DIMENSIONS	
1 Operating Length w/ SE47 FM	6608 mm 21' 9"
Operating Length w/ SE50 V	6800 mm 22' 4"
Operating Length w/ SE60 FM	6574 mm 21' 10"
Operating Length w/ SE60 V	6608 mm 21' 9"
2 Shipping Length w/ SE47 FM	6375 mm 20' 11"
Shipping Length w/ SE50 V	6635 mm 21' 9"
Shipping Length w/ SE60 FM	6742 mm 22' 2"
Shipping Length w/ SE60 V	6375 mm 20' 11"
3 Operating Width (hoppers lowered)	3306 mm 10' 10"
4 Shipping Width w/ SE47 FM	2982 mm 9' 10"
Shipping Width w/ end gates – SE50 V	2762 mm 9' 1"
Shipping Width w/ folded end gates – SE50 V	2550 mm 8' 4"
Shipping Width w/ SE60 FM Screed	3592 mm 11' 10"
Shipping Width w/ end gates – SE60 V	3211 mm 10' 6"
Shipping Width w/ folded end gates – SE60 V	3000 mm 9' 10"
5 Operating Height	3802 mm 12' 6"
6 Shipping Height (steering wheel)	2997 mm 9' 10"
7 Operating Platform Height	1850 mm 6' 1"
8 Truck Entry Height	477 mm 18"
9 Truck Entry Width	3194 mm 10' 6"
10 Hopper Length w/ push-roller extended	2414 mm 7' 11"
11 Wheelbase	2276 mm 9' 1"
Auger Diameter	406 mm 16"



AP655 (07A) TECHNICAL SPECIFICATIONS

POWERTRAIN			
Engine Model	Cat C4.4		
Emissions	U.S. EPA Tier 4 Final		
Engine Power @ 2200 rpm (ISO 14396-2002)	129 kW	173 hp	
Speed – Paving	64 m/min	210 ft/min	
Speed – Travel	14.5 km/hr	9 mph	

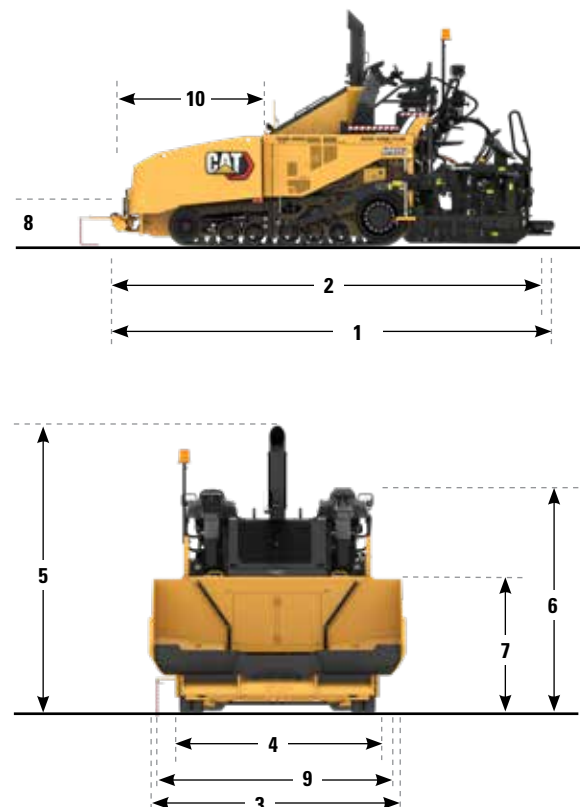
CAPACITIES			
Maximum Throughput Capacity	1300 Tonnes	1433 US Tons	
Hopper Capacity	7.1 m³	250 ft³	
Fuel Tank	278 L	73 gal	
Cooling System	31 L	8 gal	
Engine Oil	13.5 L	3.6 gal	
Hydraulic Tank	219 L	58 gal	
Diesel Exhaust Fluid (DEF) Tank	19.1 L	5 gal	
Washdown Spray Tank	30 L	7.9 gal	

MACHINE WEIGHT			
Paver Only (shipping)	15 292 kg	33,730 lb	
Operating w/ SE47 FM Screed	18 397 kg	40,560 lb	
Operating w/ SE50 V Screed	18 868 kg	41,597 lb	
Operating w/ SE60 FM Screed	19 119 kg	42,150 lb	
Operating w/ SE60 V Screed	19 001 kg	41,890 lb	

Operating weights are approximate and include coolant, lubricants, full fuel tank, 75 kg (165 lb) operator, and grade control components.

PAVING RANGE			
SE47 FM			
Standard Range	2.44 m - 4.7 m	8' - 15' 6"	
Maximum Width w/ Extensions	6.25 m	20' 6"	
SE50 V			
Standard Range	2.55 m - 5.0 m	8' 4" - 15' 6"	
Maximum Width w/ Extensions	6.5 m	21' 4"	
SE60 FM			
Standard Range	3.0 m - 6.0 m	10' - 19' 6"	
Maximum Width w/ Extensions	7.8 m	25' 6"	
SE60 V			
Standard Range	3.0 m - 5.94 m	9' 10" - 15' 6"	
Maximum Width w/ Extensions	7.65 m	25'	

DIMENSIONS			
1	Operating Length w/ SE47 FM	6608 mm	21' 9"
	Operating Length w/ SE50 V	6800 mm	22' 4"
	Operating Length w/ SE60 FM	6608 mm	21' 9"
	Operating Length w/ SE60 V	6800 mm	22' 4"
2	Shipping Length w/ SE47 FM	6375 mm	20' 11"
	Shipping Length w/ SE50 V	6635 mm	21' 9"
	Shipping Length w/ SE60 FM	6635 mm	21' 9"
	Shipping Length w/ SE60 V	6635 mm	21' 9"
3	Operating Width (hoppers lowered)	3306 mm	10' 10"
4	Shipping Width w/ SE47 FM	2982 mm	9' 10"
	Shipping Width w/ end gates – SE50 V	2762 mm	9' 1"
	Shipping Width w/ folded end gates – SE50 V	2550 mm	8' 4"
	Shipping Width w/ SE60 FM Screed	3592 mm	11' 10"
	Shipping Width w/ end gates – SE60 V	3211 mm	10' 6"
	Shipping Width w/ folded end gates – SE60 V	3000 mm	9' 10"
5	Operating Height	3777 mm	12' 4"
6	Shipping Height (steering wheel)	2930 mm	9' 7"
7	Operating Platform Height	1792 mm	5' 10"
8	Truck Entry Height	529 mm	21"
9	Truck Entry Width	3194 mm	10' 6"
10	Hopper Length w/ push-roller extended	2414 mm	7' 11"
	Auger Diameter	406 mm	16"



AP1000 (08A) TECHNICAL SPECIFICATIONS

POWERTRAIN	
Engine Model	Cat C7.1
Emissions	U.S. EPA Tier 4 Final
Engine Power @ 2200 rpm (ISO 14396-2002)	168 kW 225 hp
Speed – Paving	76 m/min 250 ft/min
Speed – Paving w/ tamper screed	25 mpm 82 fpm
Speed – Travel	19.9 km/hr 12 mph
Tire Size	Radial – 18 R25 Sand-rib – 20.5 R25

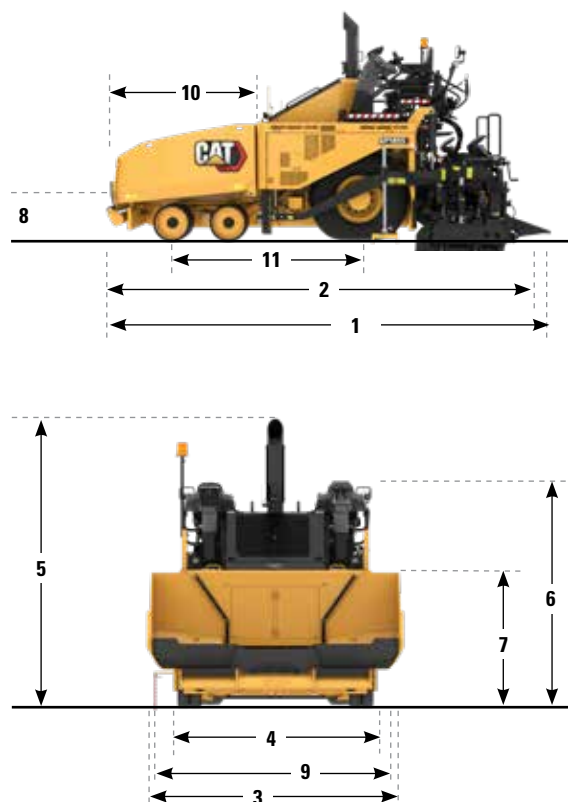
CAPACITIES	
Maximum Throughput Capacity	1602 Tonnes 1766 US Tons
Hopper Capacity	8.1 m ³ 286 ft ³
Fuel Tank	348 L 92 gal
Cooling System	45 L 12 gal
Engine Oil	16 L 4.2 gal
Hydraulic Tank	219 L 58 gal
Diesel Exhaust Fluid (DEF) Tank	19.1 L 5 gal
Washdown Spray Tank	30 L 7.9 gal

MACHINE WEIGHT	
Paver Only (shipping)	15 526 kg 34,228 lb
Operating w/ SE60 FM Screed	19 332 kg 42,620 lb
Operating w/ SE60 V Screed	19 214 kg 42,360 lb
Operating w/ SE60 V XW Screed	19 889 kg 43,848 lb
Operating w/ SE60 VT XW Screed	20 531 kg 45,263 lb

Operating weights are approximate and include coolant, lubricants, full fuel tank, 75 kg (165 lb) operator, and grade control components.

PAVING RANGE	
SE60 FM	
Standard Range	3.05 m - 5.94 m 10' - 19' 6"
Maximum Width w/ Extensions	7.8 m 25' 6"
SE60 V	
Standard range	3.0 m - 6.0 m 9' 10" - 19' 6"
Maximum Width w/ Extensions	7.65 m 25'
SE60 V XW	
Standard range	3.0 m - 6.0 m 9' 10" - 19' 6"
Maximum Width w/ Extensions	7.5 m 24' 5"
SE60 VT XW	
Standard range	3.0 m - 6.0 m 9' 10" - 19' 6"
Maximum Width w/ Extensions	6 m 19' 6"

DIMENSIONS	
1 Operating Length w/ SE60 FM	6608 mm 21' 9"
Operating Length w/ SE60 V	6800 mm 22' 4"
Operating Length w/ SE60 V XW, VT XW	7034 mm 23' 1"
2 Shipping Length w/ SE60 FM	6375 mm 20' 11"
Shipping Length w/ SE60 V	6635 mm 21' 10"
Shipping Length w/ SE60 V XW, VT XW	6910 mm 22' 8"
3 Operating Width (hoppers lowered)	3306 mm 10' 10"
4 Shipping Width w/ SE60 FM	3592 mm 11' 10"
Shipping Width w/ end gates – SE60 V	3211 mm 10' 6"
Shipping Width w/ folded end gates – SE60 V	3000 mm 9' 10"
Shipping Width w/ end gates – SE60 V XW, VT XW	3211 mm 10' 6"
Shipping Width w/ folded end gates – SE60 V, VT XW	3000 mm 9' 10"
5 Operating Height	3765 mm 12' 4"
6 Shipping Height	3000 mm 9' 10"
7 Operating Platform Height	1849 mm 6' 1"
8 Truck Entry Height	520 mm 21"
9 Truck Entry Width	3224 mm 10' 7"
10 Hopper Length w/ push-roller extended	2414 mm 7' 11"
11 Wheelbase	2776 mm 9' 1"
Auger Diameter	406 mm 16"



AP1055 (08A) TECHNICAL SPECIFICATIONS

POWERTRAIN			
Engine Model	Cat C7.1		
Emissions	U.S. EPA Tier 4 Final		
Engine Power @ 2200 rpm (ISO 14396-2002)	168 kW	225 hp	
Speed – Paving	64 m/min	210 ft/min	
Speed – Travel	14.5 km/hr	9 mph	

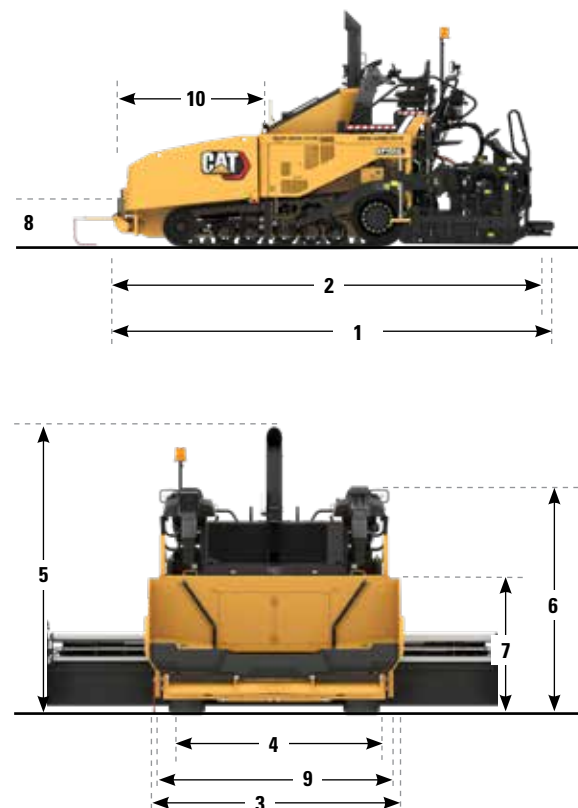
CAPACITIES			
Maximum Throughput Capacity	1602 Tonnes	1766 US Tons	
Hopper Capacity	8.1 m ³	286 ft ³	
Fuel Tank	348 L	92 gal	
Cooling System	45 L	12 gal	
Engine Oil	16 L	4.2 gal	
Hydraulic Tank	219 L	58 gal	
Diesel Exhaust Fluid (DEF) Tank	19.1 L	5 gal	
Washdown Spray Tank	30 L	7.9 gal	

MACHINE WEIGHT			
Paver Only (shipping)	15 526 kg	34,228 lb	
Operating w/ SE60 FM Screed	19 332 kg	42,620 lb	
Operating w/ SE60 V Screed	19 214 kg	42,360 lb	
Operating w/ SE60 V XW Screed	19 889 kg	43,848 lb	
Operating w/ SE60 VT XW Screed	20 531 kg	45,263 lb	

Operating weights are approximate and include coolant, lubricants, full fuel tank, 75 kg (165 lb) operator, and grade control components.

PAVING RANGE			
SE60 FM			
Standard Range	3.05 m - 5.94 m	10' - 19' 6"	
Maximum Width w/ Extensions	7.8 m	25' 6"	
SE60 V			
Standard range	3.0 m - 6.0 m	9' 10" - 19' 6"	
Maximum Width w/ Extensions	7.65 m	25'	
SE60 V XW, VT XW			
Standard range	3.0 m - 6.0 m	9' 10" - 19' 6"	
Maximum Width w/ Extensions	10 m	33'	

DIMENSIONS			
1	Operating Length w/ SE60 FM	6608 mm	21' 9"
	Operating Length w/ SE60 V	6800 mm	22' 4"
	Operating Length w/ SE60 V XW, VT XW	7034 mm	23' 1"
2	Shipping Length w/ SE60 FM	6375 mm	20' 11"
	Shipping Length w/ SE60 V	6635 mm	21' 10"
	Shipping Length w/ SE60 V XW, VT XW	6910 mm	22' 8"
3	Operating Width (hoppers lowered)	3306 mm	10' 10"
4	Shipping Width w/ SE60 FM	3592 mm	11' 10"
	Shipping Width w/ end gates – SE60 V	3211 mm	10' 6"
	Shipping Width w/ folded end gates – SE60 V	3000 mm	9' 10"
	Shipping Width w/ end gates – SE60 V XW, VT XW	3211 mm	10' 6"
	Shipping Width w/ folded end gates – SE60 V, VT XW	3000 mm	9' 10"
5	Operating Height	3732 mm	12' 3"
6	Shipping Height	2929 mm	9' 7"
7	Operating Platform Height	1792 mm	5' 11"
8	Truck Entry Height	570 mm	23"
9	Truck Entry Width	3224 mm	10' 7"
10	Hopper Length w/ push-roller extended	2414 mm	7' 11"
	Auger Diameter	406 mm	16"



AP600 / AP1000 STANDARD & OPTIONAL EQUIPMENT

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

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Air-ride seat		○
Canopy – hard top		○
Deceleration pedal	●	
Dual operating consoles	●	
Heated seats		○
Steering guide	●	
Tow-point indicator		○
Umbrella – tractor or screed		○
Ventilation system	●	
Visor – LCD screen		○
Windshield – requires canopy		○

TECHNOLOGY	STANDARD	OPTIONAL
Cat® Grade Control		○
Hopper level and material indication		○
Pave Start Assistant		○
Product Link™ Elite 631 (cellular)	●	
Product Link Elite 641 (cellular/satellite)		○
Thermal mapping		○

POWERTRAIN	STANDARD	OPTIONAL
All-wheel drive		○
Automatic engine speed control	●	
Ballast – front weights		○
Cat C4.4 – four-cylinder (AP600)	●	
Cat C7.1 – six-cylinder (AP1000)	●	
Cooling Fan – variable speed	●	
Eco-mode	●	
Front-wheel assist		○
Radial drive tires		○
Sand-rib drive tires		○

ELECTRICAL SYSTEM	STANDARD	OPTIONAL
1000 CCA batteries (2)	●	
100-amp alternator	●	
12-volt power receptacle	●	
24-volt charging system	●	
Automotive-type fuse system	●	
Auxiliary power panel – 6.6 kW		○
Cat Electronic Technician (Cat ET)		○
Generator – 70 kW	●	
Machine security – wire ready	●	
Remote jump-start receptacle	●	

MATERIAL DELIVERY	STANDARD	OPTIONAL
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	●	
Truck hitch		○
Wash-down pump and reel		○
Washdown tank		○
Wide-width paving packages		○

SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Extended life coolant to -35° C (-31° F)	●	
Engine coolant heater (AP600)	●	
Hydraulic oil – Cat HYDO™ Advanced	●	
Remote access drains and lubrication	●	
Remote oil filter/drain (AP1000/AP1055 (08A)	●	
Service repair kits		○
Sampling Ports for Scheduled Oil Sampling (S-O-S SM)	●	
Sight gauges – engine coolant, hydraulic oil	●	
Uptime kit		○

SAFETY AND SECURITY	STANDARD	OPTIONAL
Alarm – back-up	●	
Horn – warning (front and rear)	●	
Lights – working	●	
Lights – roading		○
Mirror package – paver	●	
Mirror package – screed		○
Vandal covers	●	
Warning beacon		○

AP655 / AP1055 STANDARD & OPTIONAL EQUIPMENT

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

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Air-ride seat		○
Canopy – hard top		○
Deceleration pedal	●	
Dual operating consoles	●	
Friction steering		○
Heated seats		○
Steering guide	●	
Tow-point indicator		○
Umbrella – tractor or screed		○
Ventilation system	●	
Visor - LCD screen		○
Windshield – requires canopy		○

TECHNOLOGY	STANDARD	OPTIONAL
Cat Grade Control		○
Hopper level and material temperature indication		○
Pave Start Assistant		○
Product Link™ Elite 631 (satellite)	●	
Product Link Elite 641 (cellular)		○
Thermal mapping		○

POWERTRAIN	STANDARD	OPTIONAL
Automatic Engine Speed Control	●	
Ballast – front weights		○
Cat C4.4 – four-cylinder (AP655)	●	
Cat C7.1 – six-cylinder (AP1055)	●	
Cooling fan – variable speed	●	
Eco-mode	●	
Mobil-trac belt™ – smooth belt		○

ELECTRICAL SYSTEM	STANDARD	OPTIONAL
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	●	

MATERIAL DELIVERY	STANDARD	OPTIONAL
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	●	
Truck hitch		○
Wash-down pump and reel		○
Washdown tank		○
Wide-width paving packages		○

SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Extended life coolant to -35° C (-31° F)	●	
Engine coolant heater (AP655)	●	
Hydraulic oil – Cat HYDO™ Advanced	●	
Remote access drains and lubrication	●	
Remote oil filter/drain (AP1000/AP1055 (08A)	●	
Service repair kits		○
Sampling Ports for Scheduled Oil Sampling (S-O-S SM)	●	
Sight gauges – engine coolant, hydraulic oil	●	
Uptime kit		○

SAFETY AND SECURITY	STANDARD	OPTIONAL
Alarm – back-up	●	
Horn – warning (front and rear)	●	
Lights – Working	●	
Lights – Rooding		○
Mirror package – paver	●	
Mirror package – screed		○
Vandal covers	●	
Warning beacon		○

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AP1000, AP1055 08A
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