



Cat[®] SE47 FM

Asphalt Screed (411)

The Cat[®] SE47 FM screed provides application versatility, easy set-up, and a wide paving range, making it the perfect match for urban streets, parking lots, rural roads and many other mid-sized applications. Front-mounted extenders easily navigate curbs, light poles, turn-outs, and other obstacles.

Application Versatility

- The standard paving range of 2.44 m - 4.7 m (8' - 15' 6") and maximum width of 6.25 m (20' 6") provides a balance between urban and highway paving applications.
- Common applications include parking lots, urban and rural roads, subdivision streets, and highways
- Front-mounted extenders make maneuvering around obstacles easy by providing the ability to retract without first clearing material from the extender
- Power berm options provide the ability to create a 305 mm (12") or 457 mm (18") wide berms with a variable height up to 102 mm (4")

Quick Adjustment

- Trailing edge screed plate adjusters help maintain an even plane across the width of the screed in order to improve paving quality and extend screed plate life
- Extender angle of attack is easily accessible from the top of the extender frame
- Inner and outer strike-off adjustments are connected to provide single point modification that ensures equal adjustment across the width of the screed
- Slope stops help maintain performance

Smooth Material Flow

- Screed plate widths of 610 mm (24") on the main and 210 mm (9") on the extenders provide smooth flow
- Heated end gate option improves material flow for enhanced longitudinal joints
- The in-line extension cylinders and rigid frame design reduces deflection in the extenders for better mat quality

Quick Heat, Even Distribution

- Screed plate heating in as little as 25 minutes to 130° C (266° F)
- Exclusive zone monitoring allows heating to continue in the event of a temperature sensor failure
- U-shaped heating elements combined with zone monitoring helps ensure even heat distribution and smooth asphalt textures



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Simple Operation

- Operating displays can be tailored to specific language requirements with multiple options available
- Exclusive 2-speed, proportional extender control provides smooth adjustment when transitioning paving widths
- Screed operating consoles are equipped with ratio adjustment for the augers and conveyors, providing the ability to modify material flow
- Power controls for extender slope and height enables operators to quickly manage mat angles and surface textures

Pendent Control (Option)

- Independent feeder system control includes manual and pause functions for each auger and conveyor
- Emergency engine stop feature
- Simple tow-point and berm attachment adjustments can be easily made with good visibility from the remote position

Cat® Grade Control (Option)

- Factory-integrated guidance system that helps remove irregularities from the surface and control mat thickness for increased production, lower operating costs, and higher profitability
- User-friendly system with text-based displays, split screen-mode, and on-the-go sensor selection
- Precise control driven by 10-point auto-calibration, true averaging with 5 transducers in each sensor, and cross-coupling feature that maintains elevation with height adjustment

Cat Electronics

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

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
OPERATING ENVIRONMENT		
Level holder	✓	
Lockable storage	✓	
Pendent control		✓
Shovel holder	✓	
Visor – LCD display		✓
POWER CONTROLS		
Crown	✓	
Slope	✓	
Extender height	✓	
TECHNOLOGY		
Cat® Grade Control		✓
SERVICE AND MAINTENANCE		
Service repair kits	✓	
SAFETY		
Horn – warning	✓	
Lights – Roading		✓

	Standard	Optional
MATERIAL DELIVERY		
Berm attachments – 305 mm (12"), 457 mm (18")		✓
Cut-off shoe		✓
Drop arm stabilizer bar		✓
End gate – manual	✓	
End gate – heated		✓
End gate shoe – safety edge		✓
Extension – 100 mm (4") high angle of attack		✓
Extension – 305 mm (12")		✓
Extension – 457 mm (18")		✓
Extension – 610 mm (24")		✓
Screed plate – dove tail		✓
Tapered notch extension with – 457 mm (18")		✓
Thickness screws – clockwise or counter clockwise	✓	
Vibratory sled – utilized with tapered notch extension		✓

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Technical Specifications

Machine Weight

SE47 FM screed (411)	2812 kg	6200 lb
305 mm (1') extension	68 kg	150 lb
450 mm (18") extension	102 kg	225 lb
600 mm (24") extension	136 kg	300 lb

Paving Range

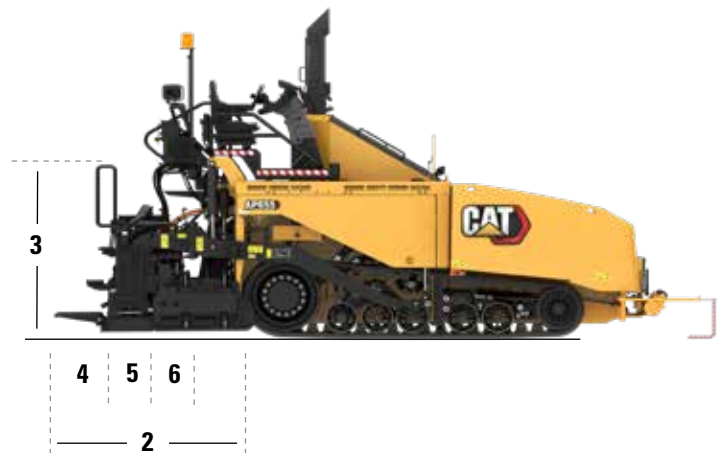
Standard range	2.44 m - 4.7 m	8' - 15' 6"
Maximum width w/extensions	6.25 m	20' 6"
Paving depth	250 mm	10"
Crown range	-5% to 10%	-1.2" to 2.4" -30 mm to 61 mm
Extender height range	-41 to 6.5 mm	-1.6" to .25"
Extender slope range	0 to 9%	0-90 mm/m 0 -1.1'/ft
Vibratory speed range	0-3000 rpm	

Paver Compatibility

	SE47 FM (411)
AP600	X
AP655	X

Dimensions

1	Standard width with end gates	2743 mm	9'
2	Length with end gates (front to back)	2191 mm	86"
	Length without end gates (front to back)	1509 mm	59"
3	Height	1897 mm	75"
4	Walkway depth – main	470 mm	18.5"
5	Screed plate depth – main	616 mm	24"
6	Screed plate depth – extender	228 mm	9"
	Screed plate thickness	12.7 mm	0.5"



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

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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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