



Cat[®] SE47 FM

Asphalt Screed (4B5)

The Cat[®] SE47 FM screed provides application versatility with multiple berm options and a small foot print for starting next to curbs and opstackles. This screed is a perfect match for urban streets, parking lots, rural roads and many other variable width paving applications.

Application Versatility

- The standard paving range of 2.4 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

- Screed operating consoles are equipped with mix height adjustment for the augers, providing the ability to modify material flow. When equipped with Cat[®] Grade Control, conveyor ratio adjustment or conveyor material height can be performed through the display
- Exclusive 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 with full wrap around bearings, 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
- Durable heating elements combined with zone monitoring helps ensure even heat distribution and smooth asphalt textures

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Simple Operation

- Proportional extender control provides smooth adjustment when transitioning paving widths
- Screed operating consoles are equipped with mix height dial 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

- Independent feeder system control includes manual and pause functions for each auger and each 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 sonic 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 all of 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		
Pendent control	✓	
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		
Angle of attach extension – 101 mm (4")		✓
Berm attachment - 305 mm (12"), 457 mm (18")		✓
Cut-off shoe		✓
Dove-tail screed plate		✓
Drop arm spacer		✓
End gate - manual	✓	
End gate - heated		✓
End gate shoe - safety edge		✓
Extension - 305 mm (12")		✓
Extension - 457 mm (18")		✓
Extension - 610 mm (24")		✓
Safety edge shoe		✓
Stabilizer group		✓
Tapered notch extension - 457 mm (18")		✓
Thickness screws - clockwise or counter clockwise	✓	
Vibratory sled w/heat - 457 mm (18")		✓

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Technical Specifications

Machine Weight

SE47 FM screed (4B5)	2755 kg	6073 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	2.4 m - 4.7 m	8' - 15' 6"
Maximum width with extensions	6.25 m	20' 6"
Maximum paving depth	250 mm	10"
Crown range	-2.5% to 5%	
Extender height range	+6.25 mm/-41.5 mm (.25"/1.6")	
Extender slope range	0 to 9%	

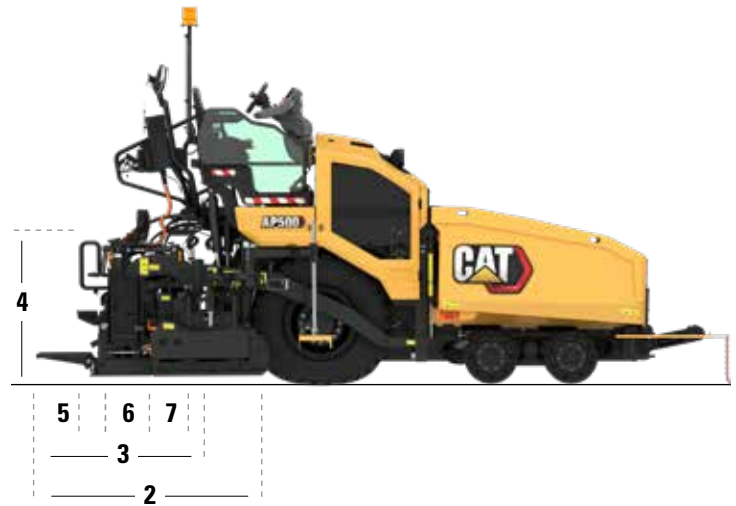
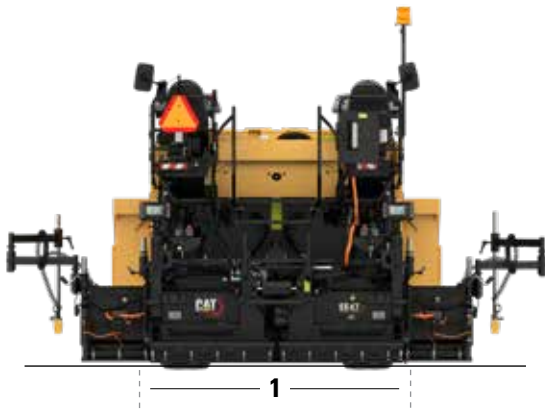
Paver Compatibility

SE47 FM (4B5)

AP400	X
AP455	X
AP500	X
AP555	X

Dimensions

1	Standard width with end gates	2590 mm	102"
2	Length with end gates (front to back)	2191 mm	86"
3	Length without end gates (front to back)	1509 mm	59"
4	Height	1284 mm	50.5"
5	Walkway width – main	476 mm	18.7"
6	Screed plate width - main (front to back)	616 mm	24"
7	Screed plate width - extender (front to back)	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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