



Cat[®] SE47 V

Asphalt Screed

The Cat[®] SE47 V screed with rear-mounted extenders provides stability, easy set-up, and a versatile paving range, making it the perfect match for urban streets, parking lots, rural roads, and many other mid-sized paving applications.

Application Versatility

- Common applications include parking lots, urban and rural roads, subdivision streets, and highways
- Walkway clearance height of 127 mm (5") enables close starting capability next to curbs and other obstacles
- The standard paving range of 2.4 m - 4.7 m (8' - 15' 6") provides excellent performance when changing paving widths for both urban and highway paving applications
- Simple, bolt-on extensions offer a maximum paving width of 6.1 m (20')

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
- Auger and tow-point height adjustments provide versatile setup options for the screed operator
- Power controls for extender slope, height and screed crown enables operators to quickly manage mat profiles
- Trailing edge screed plate adjusters help maintain an even plane across the width of the screed in order to enhance paving quality and extend screed plate life

Smooth Material Flow

- Screed plate depths of 324 mm (12.75") on both the main and extenders provide stability and good mat textures
- The proportionally sized auger chamber and rear-mounted extenders provide smooth material flow for consistent mat quality
- Proportional extender control provides smooth adjustment when transitioning paving widths
- The heated end gate option helps prevent material from sticking for better edge profiles and joint matching capability

Quick Heat, Even Distribution

- Belt-driven, tractor-mounted generator delivers fast heating screed plates for quick starts
- Electric heating system with zone monitoring helps ensure even heat distribution and smooth asphalt textures while also allowing heating to continue in the event of a temperature sensor failure

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Simple Operation

- Proportional extender control provides smooth adjustment when transitioning paving widths
- Screed operating consoles are equipped with mix height adjustment for the augers, providing the ability to modify material flow
- Power controls for extender slope and height enables operators to quickly manage mat profiles

Pendent Control

- Manual overrides and pause function capability for each auger and each conveyor are available to match changes in material flow requirements
- Power slope and height functions assist with profile
- Automatic Grade Control activation provides flexibility when working on the outer edge of the screed

Cat® Grade Control (Option)

- Factory-integrated leveling 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 slope requirements more consistently when changing elevation

Cat Electronics

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

Service and Repair Kits

- Paver and screed service and repair kits include all 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	✓	
Umbrella		✓
POWER CONTROLS		
Crown	✓	
Extender slope	✓	
Extender height	✓	
TECHNOLOGY		
Cat Grade Control		✓
Basic Grade Control		✓
SERVICE AND MAINTENANCE		
Service repair kits	✓	
SAFETY		
Horn – warning	✓	
Lights – Roading		✓

	Standard	Optional
MATERIAL DELIVERY		
Cut-off shoe		✓
Drop arm spacer		✓
End gate – manual	✓	
End gate – power		✓
Heated end gate		✓
Extension – 343 mm (13.5")		✓
Safety edge shoe		✓
Straight shoe		✓
Thickness screws – clockwise or counter-clockwise	✓	
Wide shoe		✓

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Technical Specifications

Machine Weight

SE47 V screed	2654 kg	5850 lb
343 mm (13.5") extension	82 kg	180 lb

Paving Range

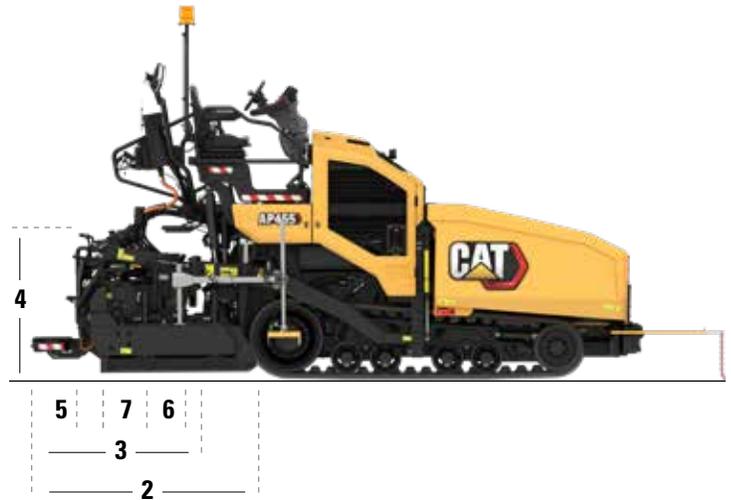
Standard range	2.4 m - 4.7 m	8' - 15' 6"
Maximum width w/extensions	6.1 m	20'
Maximum paving depth	250 mm	10"
Crown range	+6% to -2%	
Extender height range	+30 mm to -20 mm (1.2" to -0.8")	
Extender slope range	+10% to -3%	

Paver Compatibility

	SE47 V
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)	2123 mm	84"
3	Length without end gates (front to back)	1532 mm	60"
4	Height	1428 mm	56"
5	Walkway width	323 mm	12.7"
6	Screed plate width - main (front to back)	324 mm	12.8"
7	Screed plate width - extender (front to back)	324 mm	12.8"
	Screed plate thickness	12.5 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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