



# Cat<sup>®</sup> SE47 VT

## Asphalt Screed

*The Cat<sup>®</sup> SE47 VT Asphalt Screed with rear-mounted extenders and tamper bars provide stability, easy set-up, and a versatile paving range, making it the perfect fit for both urban streets and rural paving applications.*

### Application Versatility

- Common applications include parking lots, urban and rural roads, urban streets, and highways
- The standard paving range of 2.4 m - 4.7 m (7' 10" - 15' 4") provides excellent performance when changing paving widths for both urban and highway paving applications
- With 225 mm (9") extensions and end gates on each side, transport remains at 3.0 m (9.8')
- Simple, bolt-on extensions offer a maximum paving width of 6.0 m (19' 8")
- Walkway clearance height of 127 mm (5") enables close starting capability next to curbs and other obstacles

### 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<sup>®</sup> 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
- Optional power control for screed crown enables operators to quickly manage mat profiles, displayed on the optional Cat Grade Control display when equipped
- Tamper speed adjustment available with the multi-purpose mix-height, tamper speed, and vibratory speed control dial; tamper speed adjustment helps modify angle of attack and eliminate transition lines between the main screed and extenders
- Optional power end gates easily accommodate paving depth changes

### Smooth Material Flow

- Screed plate depths of 324 mm (12.8") 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
- Screed operating consoles are equipped with mix height adjustment for the augers, providing the ability to modify material flow
- 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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## 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		Standard	Optional
<b>OPERATING ENVIRONMENT</b>			<b>MATERIAL DELIVERY</b>		
Umbrella		✓	Drop arm spacer		✓
<b>POWER CONTROLS</b>			End gate – manual	✓	
Crown		✓	End gate – power		✓
<b>TECHNOLOGY</b>			Extension packages		✓
Cat® Grade Control		✓	0.45 m commercial		✓
Basic Grade Control		✓	1.32 m commercial		✓
<b>SERVICE AND MAINTENANCE</b>			1.32 m base width		✓
Service repair kits	✓		Knife edge end gate		✓
<b>SAFETY</b>			Shoe – cut-off, one 305 mm, one 610 mm		✓
Horn – warning	✓		Shoe – knife edge, 63.5 mm depth, 30° maximum chamfer		✓
Lights – roading		✓	Shoe – knife edge, 127 mm depth, 30° maximum chamfer		✓
			Shoe – wide, 68 mm		✓

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## Technical Specifications

### Machine Weight

SE47 VT Asphalt Screed	3050 kg	6,724 lb
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### Paving Range

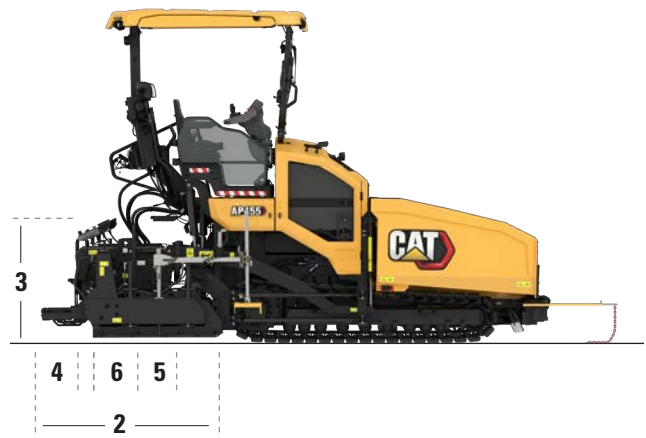
Standard range	2.4 m - 4.68 m	7' 10" - 15' 4"
Maximum width w/extensions	6 m	19' 8"
Maximum paving depth	300 mm	12"
Crown range	-2% to +5% per side	
Extender height range	-5 mm to +15 mm (-0.08" to +0.19")	
Tamper bar amplitude	4 mm (.16")	
Tamper bar speed	500-1800 rpm	
Screed plate vibration	0-3000 rpm	

### Paver Compatibility

	SE47 VT
AP400	X
AP455	X
AP500	X
AP555	X

### Dimensions

1	Standard width with end gates	2550 mm	100"
2	Length with end gates (front to back)	2091 mm	82"
	Length without end gates (front to back)	1583 mm	62"
3	Height	1312 mm	51.5"
4	Walkway width	323 mm	12.7"
5	Screed plate width - main (front to back)	324 mm	12.8"
6	Screed plate width - extender (front to back)	324 mm	12.8"
	Screed plate thickness	12.2 mm	0.5"



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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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