



# Cat<sup>®</sup> AP455

## Asphalt Paver

The Cat<sup>®</sup> AP455 Mobil-trac<sup>™</sup> asphalt paver delivers excellent traction and mobility as-well-as, easy set-up, and a wide paving range, making it the perfect fit for urban streets, parking lots, rural roads and many other small to intermediate-type applications.

### Compact Size With Big Opportunities

- The compact size and small footprint simplify maneuverability in tight spaces for efficient work in urban-type applications
- Tight 90° turning capability enables the paver to rotate and cover tracks on a return paving pass
- Standard paving range utilizing the SE47 V screed is 2.4 m - 4.7 m (8' - 15'6") with a maximum width of 6.1 m (20')
- Standard paving range utilizing the SE47 FM screed is 2.4 m - 4.7 m (8' - 15'6") with a maximum width of 5.9 m (19' 6")
- Paving depths up to 250 mm (10") supports aggregate paving applications

### Transport Made Easy

- Paver and screed combination weight of 14.3 mt (31,500 lb) enables easy transport on a variety of trailer types
- Length of less than 5.5 m (18' 1") and width of 2.6 m (8' 6") accommodates machine transport without special permits
- The front-loading angle of 18° and high front bumper clearance reduces the need for additional blocking when loading onto various trailer designs
- Front, middle, and rear tie-down locations make securing the paver efficient for quick travel to the next job site

### Exceptional Mobility With Fast Travel Speed

- Mobil-trac<sup>™</sup> undercarriage provides exceptional mobility, outstanding traction, and fast travel speeds for unmatched maneuverability around the job site
- Counter-rotating tracks provide excellent maneuverability in tight quarters
- Self-tensioning accumulators, center guide blocks, and rugged internal belt cables help ensure durability
- Rubber-coated components help shed asphalt and prevent accumulation
- Efficient track plow design pushes material away from the tracks and helps eliminate cold patches caused by track compression

### Smooth Material Flow

- Low truck entry height and short front apron enhances material flow while simplifying clean-out
- Feeder system design with 355 mm (14") diameter augers provides consistent material flow across the screed for efficient flow at both narrow and wide paving widths
- Confined auger chamber keeps material moving and helps eliminate stagnate patches
- Independent control of each material feed sensor when utilizing a cut-off shoe, simply turn off the sensor for manual proportional feed system control



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## More Comfort

- Ventilation system draws fumes from the auger chamber and redirects them away from the operator for a more comfortable working environment
- Single sliding console enables operation from either side of the machine
- Dual independent seats swing out 40° beyond the platform for good visibility to curbs and obstacles
- Optimized height and integrated exhaust provide unobstructed visibility around the machine
- Optional screed and paver mounted umbrellas offer protection from direct sunlight
- Heated seat option delivers comfort in cool weather conditions
- High visibility 76 mm (3") seat belt helps with crew safety compliance

## Easy Viewing Displays, Simple Operation

- High-definition, touchscreen displays with adjustable brightness control for all types of lighting conditions, including direct sunlight
- New touch screen operating display with simplified menu structures, intuitive graphics, and short-cut keys help simplify machine adjustments
- Single-touch functions from main screen include screed heat, wash-down system, vibratory activation, ventilation system, and the accessory panel
- Operating displays can be tailored to specific language requirements with multiple options available
- Wash-down system includes level indication

## Screeds That Deliver Quality

- SE-Series screeds deliver excellent ride, density, and mat texture while providing superior adjustment capabilities
- Screeds with front-mounted extenders and rear-mounted extenders are available
- Cat Grade Control or Basic Grade Control options available
- Refer to the screed "Key Features" for more details

## Low Owning and Operating Costs

- Durable Cat C3.6 engine provides 90 kW (120 hp) of power and meets U.S. EPA Tier 4 Final and EU Stage V emissions
- Exclusive Eco-mode and Automatic Engine Speed Control reduce fuel consumption and lower sound levels for better comfort and communication
- Conveyor bed plates and chain guards designed to minimize labor requirements and provide lower cost replacement
- Maintenance-free high torque motors reduce service requirements for the auger and conveyor drive systems

## Cat Electronics

- Cat Electronic Control Modules (ECM) and ET compatibility simplifies diagnostics and trouble-shooting procedures
- Dedicated auto reset circuit breaker for material sensors

## Product Link™ Elite

- Make timely, fact-based decisions to maximize efficiency, improve productivity, and lower owning and operating costs
- Easily track location, machine hours, fuel usage, and idle time
- Diagnostic codes are made available through online web applications
- Remote flash works around your schedule to ensure your machine's software is up to date for optimal performance

## 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
<b>OPERATING ENVIRONMENT</b>		
Canopy		✓
Deceleration pedal		✓
Heated Seat		✓
Single sliding console	✓	
Steering guide	✓	
Steering – friction		✓
Steering – spring return	✓	
Umbrella – tractor or screed		✓
Ventilation system	✓	
Side shields		✓
Windshield – requires canopy		✓

<b>TECHNOLOGY</b>		
Cat Grade Control		✓
MOBA Grade Control		✓
Product Link™ Elite 643 (cellular)	✓	
Product Link Elite 683 (cellular/satellite)		✓

<b>POWERTRAIN</b>		
Ballast – front weights		✓
Cat C3.6 – four-cylinder	✓	
Cooling fan – variable speed	✓	
Mobil-trac™ belt – smooth belt	✓	

<b>ELECTRICAL SYSTEM</b>		
1400 CCA battery	✓	
150-amp alternator	✓	
12-volt charging system	✓	
Automotive-type fuse system	✓	
Auto-reset breaker for material feed sensors	✓	
Batteries – maintenance-free	✓	
Cat Electronic Technician (Cat ET)	✓	
Remote start charge receptacle	✓	

	Standard	Optional
<b>MATERIAL DELIVERY</b>		
Auger extensions – 0.15 m (6")	✓	
Auger extensions – 0.46 m (1.5')		✓
Mainframe extensions – power		✓
Mainframe extensions – manual		✓
Material feed sensors – contact	✓	
Material feed sensors – sonic		✓
Push-roller – adjustable	✓	
Truck hitch		✓
Wash-down pump and reel		✓

<b>SERVICE AND MAINTENANCE</b>		
Hydraulic oil – Cat® HYDO Advanced	✓	
Remote access drains	✓	
Remote flash	✓	
Service repair kits	✓	
Sampling ports for Scheduled Oil Sampling (S-O-S <sup>SM</sup> )	✓	
Sight Gauges - engine coolant, hydraulic oil	✓	

<b>SAFETY</b>		
Alarm, back-up	✓	
Horn, warning (front & rear)	✓	
Lights – LED Working	✓	
Lights – LED Rooding		✓
Mirror package	✓	
Warning beacon – LED		✓

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## Technical Specifications

### Power Train

Engine Model	Cat C3.6	
Rated Power @ 2400 rpm	90 kW	120 hp
Global Emissions: <i>US EPA Tier 4 Final/EU Stage V equivalent</i>		
Speed – paving	61 m/min	200 ft/min
Speed – travel	11 km/hr	7 mph

### Service Refill Capacities

Maximum throughput capacity	774 Tonnes	853 US Tons
Fuel Tank	200 L	53 gal
Cooling System	24 L	6.3 gal
Engine Oil	11 L	2.9 gal
Hydraulic Tank	121 L	32 gal
DEF Tank	19 L	5 gal
Washdown Spray Tank	32 L	8.5 gal

### Dimensions

1	Operating length w/ SE47 V screed	5784 mm	19'
	Shipping length w/ SE47 V screed	5523 mm	18' 1"
	Operating length w/ SE47 FM screed	5740 mm	18' 10"
	Shipping length w/ SE47 FM screed	5505 mm	18' 1"
2	Operating width (hoppers lowered)	3281 mm	10' 9"
3	Operating height (beacon)	3275 mm	10' 9"
4	Operating platform height	1655 mm	5' 5"
5	Transport height (steering wheel)	2506 mm	8' 3"
6	Transport width w/end gates	2590 mm	8' 6"
7	Truck entry width	3161 mm	10' 4"
8	Truck entry height (hopper)	567 mm	22"
	Truck entry height (apron)	525 mm	21"
	Ground clearance	210 mm	8"
9	Hopper length	1803 mm	5' 11"
10	Axle to axle - center drive to front idler	2533 mm	100"
	Auger diameter	355 mm	14"

### Machine Weight

Paver only (shipping)	11 266 kg	24,837 lb
w/SE47 V screed (operating)	14 194 kg	31,292 lb
w/SE47 FM screed (operating)	14 303 kg	31,533 lb

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

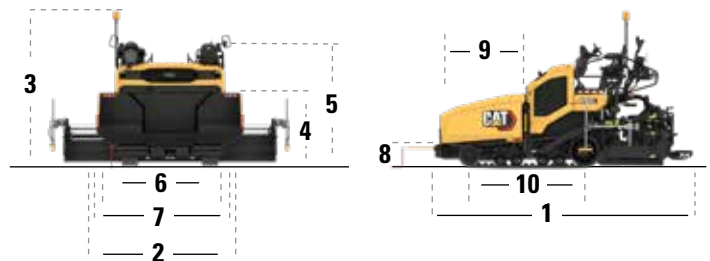
### Paving Range

#### SE47 V

Standard range	2.4 m - 4.7 m	8' - 15' 6"
Maximum width w/extensions	6.1 m	20'

#### SE47 FM

Standard range	2.4 m - 4.7 m	8' - 15' 6"
Maximum width w/extensions	5.9 m	19' 6"



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