



Cat[®] AP400

Asphalt Paver

The Cat[®] AP400 asphalt paver provides easy transport, application versatility, and a wide paving range, making it the perfect match 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

- Machine weight of less than 13.6 mt (30,000 lb) paver and screed combination 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 20° 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

- Wheel undercarriage provides exceptional mobility and fast travel speeds for unmatched maneuverability around the job site
- Excellent traction is delivered through the 14.00x20 sand-rib or 15.5 R25 radial drive tires
- Front-wheel assist option provides power to the rear set of bogie wheels for excellent performance in tough conditions
- High, front ground clearance of 203 mm (8") helps avoid storm drains, curbs, and other obstacles

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
- Narrow 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 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 sun
- 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 the 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 lowers sound levels for better job site communication
- Conveyor bed plates and chain guards are designed to minimize labor requirements and lower replacement costs
- Maintenance-free high torque motors for the auger and conveyor drive systems reduce service requirements

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 in real time
- Diagnostic codes are made available through online web applications
- Remote flash for easy software updates
- Scheduled maintenance and SOS notification
- Remote disable deactivates the engine for enhanced security

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 | | |
| Canopy | | ✓ |
| Deceleration pedal | | ✓ |
| Heated Seat | | ✓ |
| Single sliding console | ✓ | |
| Steering guide | ✓ | |
| Umbrella – tractor or screed | | ✓ |
| Ventilation system | ✓ | |
| Side shields | | ✓ |
| Windshield – requires canopy | | ✓ |

| | | |
|---------------------------------------------|---|---|
| TECHNOLOGY | | |
| Cat Grade Control | | ✓ |
| Basic Grade Control | | ✓ |
| Product Link™ Elite 643 (cellular) | ✓ | |
| Product Link Elite 683 (cellular/satellite) | | ✓ |

| | | |
|------------------------------|---|---|
| POWERTRAIN | | |
| Ballast – front weights | | ✓ |
| Cat C3.6 – four-cylinder | ✓ | |
| Cooling fan – variable speed | ✓ | |
| Radial drive tires | | ✓ |
| Sand-rib drive tires | | ✓ |
| Front-wheel assist | | ✓ |

| | | |
|-----------------------------------------|---|--|
| ELECTRICAL SYSTEM | | |
| 1400 CCA battery | ✓ | |
| 150-amp alternator | ✓ | |
| 12-volt charging system | ✓ | |
| Automotive-type fuse system | ✓ | |
| Auto-reset breaker for material sensors | ✓ | |
| Battery – maintenance-free | ✓ | |
| Cat Electronic Technician (Cat ET) | ✓ | |

| | Standard | Optional |
|----------------------------------|----------|----------|
| MATERIAL DELIVERY | | |
| 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 | | ✓ |

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

| | | |
|-------------------------------|---|---|
| SAFETY | | |
| Alarm – back-up | ✓ | |
| Horn – warning (front & rear) | ✓ | |
| Lights – LED Working | ✓ | |
| Lights – LED Rooding | | ✓ |
| Mirror package | ✓ | |
| Warning beacon – LED | | ✓ |

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Technical Specifications

PowerTrain

| | | |
|-------------------------------------------------------------|----------|------------|
| Engine model | Cat C3.6 | |
| Rated power @ 2200 rpm | 90 kW | 120 hp |
| Global emissions: US EPA Tier 4 Final/EU Stage V equivalent | | |
| Speed – paving | 61 m/min | 200 ft/min |
| Speed – travel | 16 km/hr | 10 mph |
| Tire Size | 15.5 R25 | |

Capacities

| | | |
|-----------------------------|--------------------|---------------------|
| Maximum throughput capacity | 774 Tonnes | 853 US Tons |
| Hopper capacity | 5.8 m ³ | 205 ft ³ |
| 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) | 3252 mm | 11' |
| 4 | Operating platform height | 1731 mm | 5' 8" |
| 5 | Transport height (steering wheel) | 2853 mm | 9' 4" |
| 6 | Transport width w/end gates | 2590 mm | 8' 6" |
| 7 | Truck entry width | 3161 mm | 10' 4" |
| 8 | Truck entry height (hopper) | 544 mm | 21" |
| | Truck entry height (apron) | 498 mm | 20" |
| | Ground clearance | 203 mm | 8" |
| 9 | Hopper length | 1803 mm | 5' 11" |
| 10 | Axle to axle - center drive to front idler | 2372 mm | 93" |
| | Auger diameter | 355 mm | 14" |

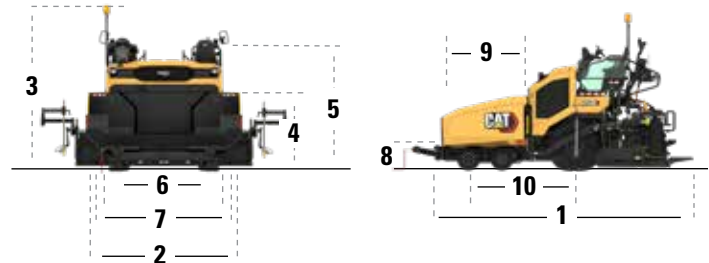
Machine Weight

| | | |
|------------------------------|-----------|-----------|
| Paver only (shipping) | 10 581 kg | 23,327 lb |
| w/SE47 V screed (operating) | 13 510 kg | 29,800 lb |
| w/SE47 FM screed (operating) | 13 618 kg | 30,000 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" |



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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