



# Cat<sup>®</sup> AP555

## Asphalt Paver

*The Cat<sup>®</sup> AP555 Mobil-trac<sup>™</sup> asphalt paver is sized right for both urban and rural applications. It 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.*

### More Performance and Flexibility

- Powerful C4.4 engine delivers 110 kW (148 hp) of power that supports increased feeder system capacity as well as hopper inserts for continuous paving
- 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 6.2 m (20' 6")
- Paving depths up to 250 mm (10") supports aggregate paving applications

### Transport Made Easy

- Paver and screed combination weight of 15.3 mt (34,000 lb) enables easy transport on a variety of trailer types
- Length of less than 5.65 m (18' 6") and width of 2.6 m (8' 6") accommodates machine transport without special permits
- The front-loading angle of 15° 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 load 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 enhance 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 proportional feed system control



# Cat® AP555 Asphalt Paver

---

## More Comfort

- Ventilation system draws fumes from the auger chamber and redirects them away from the operator for a more comfortable working environment
- Dual independent consoles provide operation from either side of the machine for optimal visibility to curbs, edges, and transverse joints
- 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, touch-screen 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, 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 C4.4 engine provides 110 kW (148 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                                  |          | ✓        |
| Steering guide                               | ✓        |          |
| Steering – friction                          |          | ✓        |
| Steering – spring return                     | ✓        |          |
| Umbrella – tractor or screed                 |          | ✓        |
| Ventilation system                           | ✓        |          |
| Side shields                                 |          | ✓        |
| Windshield – requires canopy                 |          | ✓        |
| <b>TECHNOLOGY</b>                            |          |          |
| Cat Grade Control                            |          | ✓        |
| Basic Grade Control                          |          | ✓        |
| Product Link™ Elite 643 (cellular)           | ✓        |          |
| Product Link Elite 683 (cellular/satellite)  |          | ✓        |
| <b>POWERTRAIN</b>                            |          |          |
| Ballast – front weights                      |          | ✓        |
| Cat C4.4 – 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 | ✓        |          |
| Battery – maintenance-free                   | ✓        |          |
| Cat Electronic Technician (Cat ET)           | ✓        |          |

|                                  | 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          |          | ✓        |

|  | Standard | Optional |
|--|----------|----------|
| <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                     | ✓        |          |

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

# Cat® AP555 Asphalt Paver

## Technical Specifications

### Power Train

|  |          |            |
|--|----------|------------|
| Engine Model   | Cat C4.4 |            |
| Rated Power @ 2400 rpm   | 110 kW   | 148 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/h  | 7 mph      |

### Service Refill Capacities

|                             |             |              |
|-----------------------------|-------------|--------------|
| Maximum throughput capacity | 1000 Tonnes | 1100 US Tons |
| Fuel Tank                   | 200 L       | 53 gal       |
| Cooling System              | 24 L        | 6.3 gal      |
| Engine Oil                  | 9 L         | 2.4 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          | 5909 mm | 19' 4" |
|    | Shipping length w/ SE47 V screed           | 5648 mm | 18' 6" |
|    | Operating length w/ SE47 FM screed         | 5865 mm | 19' 3" |
|    | Shipping length w/ SE47 FM screed          | 5630 mm | 18' 6" |
| 2  | Operating width (hoppers lowered)          | 3281 mm | 10' 9" |
| 3  | Operating height (beacon)                  | 3276 mm | 10' 9" |
| 4  | Operating platform height                  | 1655 mm | 5' 5"  |
| 5  | Transport height (steering wheel)          | 2507 mm | 8' 3"  |
| 6  | Transport width w/end gates                | 2590 mm | 8' 6"  |
| 7  | Truck entry width                          | 3149 mm | 10' 4" |
| 8  | Truck entry height (hopper)                | 567 mm  | 22"    |
|    | Truck entry height (manual apron)          | 525 mm  | 21"    |
| 9  | Hopper length                              | 1925 mm | 6' 4"  |
| 10 | Axle to axle - center drive to front idler | 2533 mm | 100"   |
|    | Auger diameter                             | 355 mm  | 14"    |

### Machine Weight

|                              |           |           |
|------------------------------|-----------|-----------|
| Paver only (shipping)        | 12 244 kg | 26,993 lb |
| w/SE47 V screed (operating)  | 15 172 kg | 33,448 lb |
| w/SE47 FM screed (operating) | 15 281 kg | 33,689 lb |

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

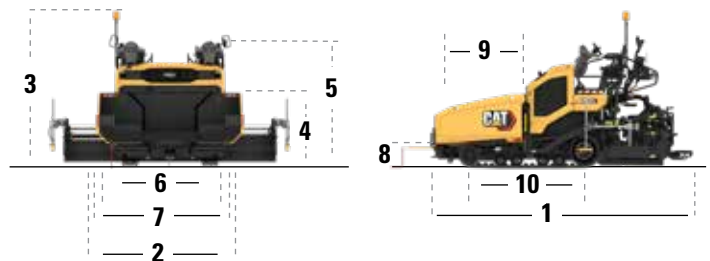
### Paving Range

#### 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 | 6.2 m         | 20' 6"      |



For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

© 2021 Caterpillar  
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.

QEHQ2896 (10-2021)  
Build Number:07A  
(North America)

