

AP500E AP555E Pavers



Operating Weights

AP500E w/AS2252C Screed	15 290 kg (33,715 lb)
AP500E w/AS3251C Screed	15 520 kg (34,220 lb)
AP500E* w/AS4252C Screed	16 145 kg (35,594 lb)
Note: AS4251C screed not available with AP500E paver	
AP555E w/AS2252C Screed	16 005 kg (35,290 lb)
AP555E w/AS3251C Screed	16 240 kg (35,810 lb)
AP555E* w/AS4251C Screed	17 710 kg (39,044 lb)
AP555E* w/AS4252C Screed	16 745 kg (36,916 lb)

* Equipped with canopy

Paving Ranges (maximum)

AP500E w/AS2252C Screed	2.50 m - 5.60 m	8' 2" - 18' 5"
AP500E w/AS3251C Screed	2.44 m - 6.15 m	8' 0" - 20' 2"
AP500E w/AS4252C Screed	2.55 m - 7.0 m	8' 0" - 23'
AP555E w/AS2252C Screed	2.50 m - 5.60 m	8' 2" - 18' 5"
AP555E w/AS3251C Screed	2.44 m - 6.15 m	8' 0" - 20' 2"
AP555E w/AS4251C Screed	2.55 m - 7.0 m	8' 0" - 23'
AP555E w/AS4252C Screed	2.55 m - 8.0 m	8' 0" - 26' 4"

Cat® 4.4 Engine with ACERT™ Technology

Gross Power (Imperial)	106 kW (142 hp)
Gross Power (Metric)	106 kW (144 hp)

PERFORMANCE FEATURES

High-production paving applications require equipment that is powerful, reliable and fuel efficient with easy-to-use features.

These pavers are equipped with leading-edge technology that reduces emissions, conserve fuel, automates mix delivery, minimizes tow-point movement, and ultimately produces high quality mats.

The advanced mix delivery system offers features that ensure smooth delivery to the screed, optimizes material utilization, and reduces cleanup while maximizing component life for lower overall operating costs.

Exceptional visibility and comfort offered through dual swingout operating stations, fumes management, and quiet operation, ensure the crew continues its productivity throughout the day.

Whether your choice of paver is equipped with the Mobil-Trac™ undercarriage or wheels, both deliver the speed, mobility, and traction to excel on all types of job sites.

Excellent serviceability provided by visual diagnostics, manual overrides, sight indicators, and clean fluid collection ensure your machine is ready when you are.

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**PAVING ALL DAY.
EVERY DAY.**



MONEY MAKING FEATURES

HIGH PERFORMANCE, RELIABLE AND DURABLE

Delivering the tonnage and producing smooth mats day after day leads to profitability. Combine these features with years of service, comfort, visibility and you have the #1 choice of paving contractors.

LEADING-EDGE TECHNOLOGY

- Emissions compliant engines
- Advisor display provides visual reference
- Self diagnostics from multiple ECMs displayed through Advisor
- Cruise control feature matches paving train
- Integrated Cat Grade and Slope System
- Screed lock feature prevents settling
- Product Link option with VisionLink™ Fleet Management software

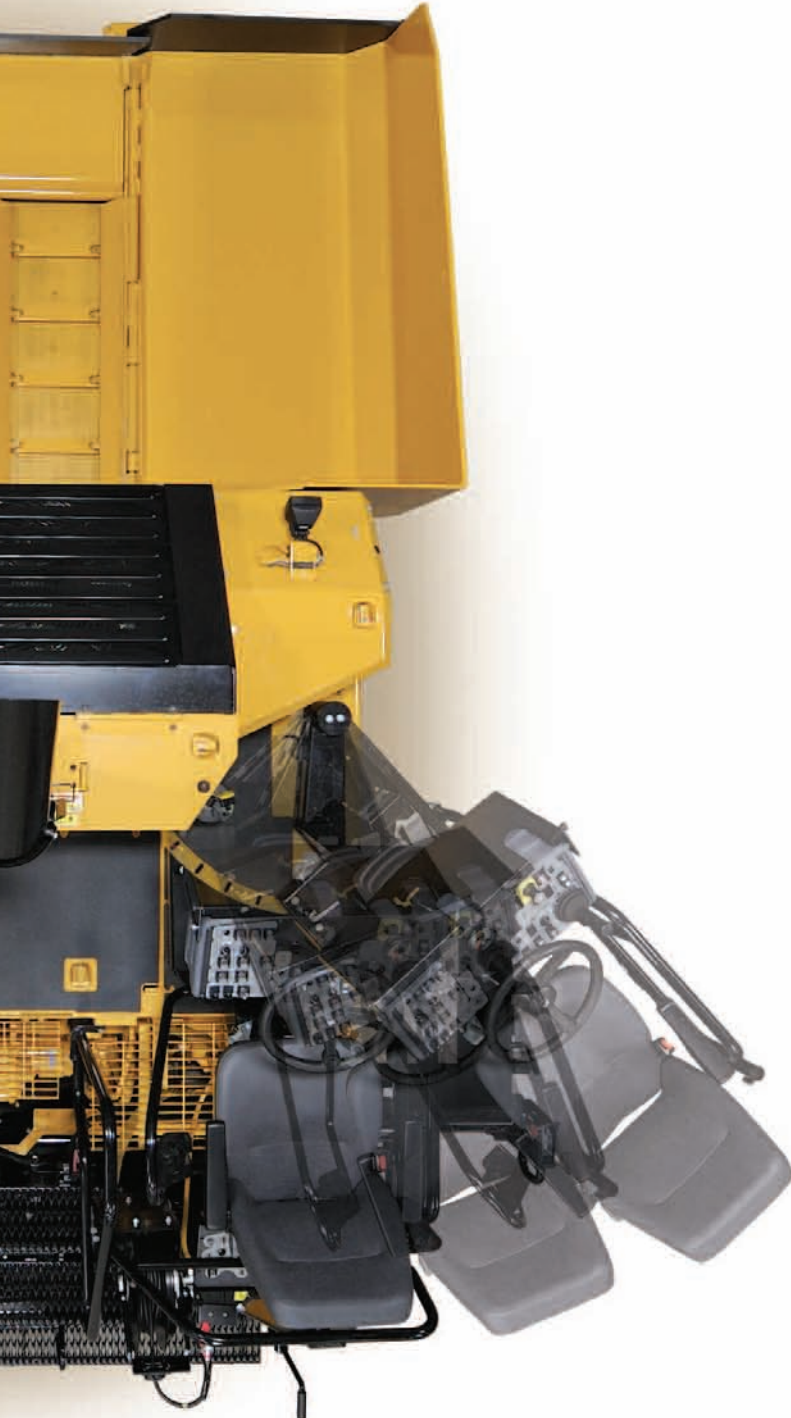
ADVANCED MIX DELIVERY

- Independent control of each auger and each conveyor leads to a consistent head of material
- 2 or 4 sensor mix delivery system provides flexibility
- Hydraulic mainframe extensions optimize material flow
- Reversible augers and conveyors limits spillage
- Rigid screeds deliver excellent stability
- Vibratory screeds available with front-mounted extenders or rear-mounted extenders
- High compaction screeds available with tamper bars and vibration

EXCEPTIONAL VISIBILITY AND COMFORT

- Dual operating stations swing out for better all-around visibility
- Front-mounted cooling system:
 - directs hot engine air away from crew
 - re-directs the fumes cloud that occurs when truck dumping
- Quiet operation supports easy communication





MOBIL-TRAC™ UNDERCARRIAGE

- Oscillating bogies minimize tow-point movement for a smoother mat
- Long-belt life leads to low life-time operating cost
- Excellent traction on soft or hard base materials
- Smooth or tread-bar pattern belts available
- Smooth-belt leads to less base disturbance and minimizes handwork
- Speeds similar to wheeled pavers

WHEEL UNDERCARRIAGE

- Tight turning radius
- High travel speeds
- Front wheel assist or all-wheel drive options
- Excellent traction on soft or hard base materials

FUMES MANAGEMENT

- Cooling exhaust, truck dumping surge, and fumes extraction are directed away from crew
- Operator-friendly environment
- Fumes extraction removes vapors from tunnels and auger chamber

CAT® ENGINES WITH ACERT™ TECHNOLOGY

- Meet market required emissions standards
- Engine power management modifies output
- Automatic engine speed control improves fuel efficiency

EXCELLENT SERVICEABILITY

- Advisor display lists service codes
- Manual overrides on hydraulics
- Visual indicators for routine service checks
- Electronic Control Modules (ECM) monitor system performance
- Long service intervals minimize costs

1. Hardtop Canopy
2. Fumes Ventilation System
3. Product Link Ready
4. Engine Power Management
5. Emissions Compliant Engine
6. Independent Mix Delivery System
7. Mobil-Trac Undercarriage System
8. Advisor Display
9. Automatic Engine Speed Control
10. Dual Independent Operating Stations
11. On-board Generator
12. CANbus Electrical System
13. Cat Grade and Slope (option)
14. Electric Screed Heat
15. Screens Available:
 - AS2252C Vibratory Screed
 - AS3251C Vibratory Screed
 - AS4251C Tamper Bar w/Vibration Screed
 - AS4252C Tamper Bar w/Vibration Screed





LOADED WITH TECHNOLOGY

CONTINUING TO LEAD WITH SOLUTIONS THAT WORK.



SMOOTH DELIVERY

CONTINUOUS FLOW LEADS TO BETTER MAT QUALITY.

Automated controls and well-designed components reduce segregation potential, maximize efficiency, and deliver a consistent head of material that leads to better mat quality.

AUTOMATED DELIVERY

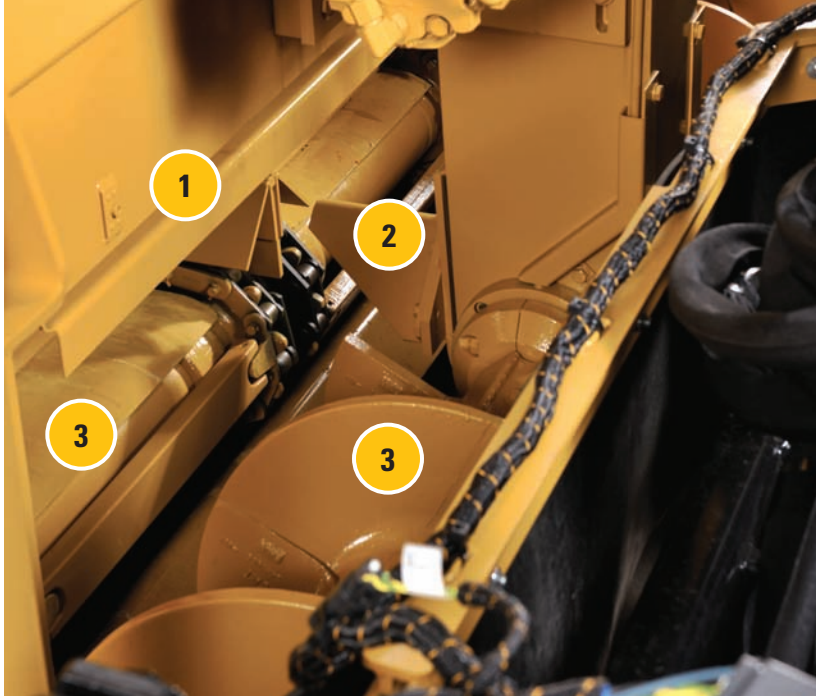
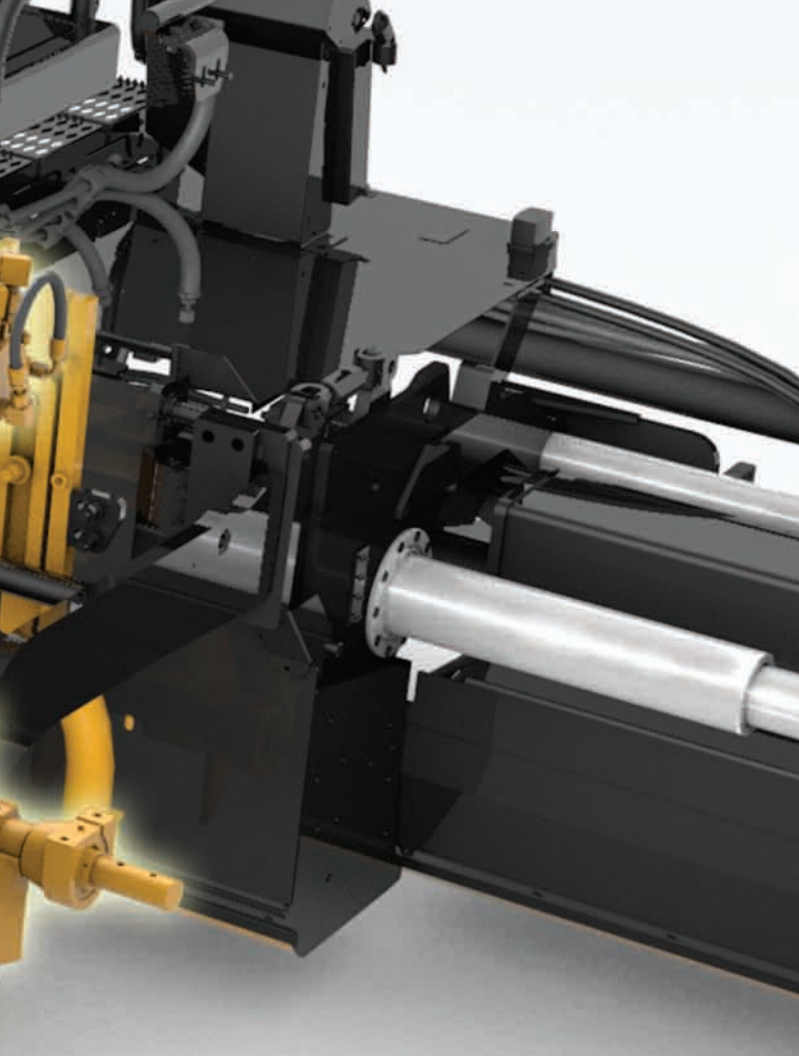
- Four pumps enable individual control of each auger and each conveyor for precise mix delivery to the screed
- Two sensor system with ratio control dials automatically adjusts mix flow when changing paving widths
- Four sensor system utilized with the AS4251C and AS4252C screeds monitor conveyors and augers for precise mix control
- Cat Grade and Slope provides accurate control, optimizes mix utilization, and enables easy setup through a visual display

SMOOTH FLOW

- Wide tunnel and narrowly spaced conveyor bars of 215 mm (8.5") ensure smooth flow to the auger chamber
- 4-position adjustable push-roller conforms to trucking fleet for smoother exchanges
- Reversible augers and conveyors minimize spillage at the end of the paving pass

DURABLE, LONG-LIFE COMPONENTS

- Thick floor plates, heavy-duty chains, and stout conveyor bars deliver lasting performance and lower lifetime operating costs
- Narrow chain guards protect chains and bolt heads for extended long-term performance
- Greaseable bearings with remote fittings flush contaminants away from seals for longer life



1. Fumes extraction system
2. Mix deflector plate
3. Independent control of each auger and each conveyor
4. Narrow chain guard covers
5. Thick conveyor bars
6. Narrow bar spacing – 215 mm (8.5")
7. Heavy-duty conveyor chains
8. Thick floor plates
9. Independent hopper actuation
10. Hydraulic folding front apron (optional)
11. Adjustable push-roller



OPERATING ENVIRONMENT

COMFORT AND VISIBILITY INCREASE PERFORMANCE.

Good visibility enables effective communication that leads to smooth truck exchanges and steady material flow. Long hours of operation can take a toll on the crew — that's why Caterpillar designs operating stations that provide good control, visibility and comfort.

DUAL INDEPENDENT OPERATING STATIONS

- Controls move with the operator
- Dual independent stations offer back-up capability
- Stations extend beyond frame for increased all-around visibility
- Operator customization with multiple seat adjustments and tilting consoles
- 12-volt power receptacle, supports communication devices
- Upper and lower tow-point indicators simplify height adjustment for tractor and screed operators
- Cup holders offer convenience

EXCEPTIONAL VISIBILITY AND COMFORT

- Low profile front-mounted cooling system improves forward visibility
- Quiet operation supports easy communication; sound suppression material located throughout the machine
- Tilting consoles conform to operator

FUMES MANAGEMENT SYSTEM

MORE COMFORT FOR YOUR CREW.

The ventilation system draws fumes from the conveyor tunnel as well as the auger chamber and redirects them away from the operator for a more comfortable working environment.

BETTER OPERATING CONDITIONS

- Operator-friendly environment
- Top-mounted cooling system directs fumes and hot air away from crew
- Fumes surge when dumping mix is redirected by the high capacity cooling fan
- Fumes extraction system removes vapors from the conveyor tunnels and auger chamber





OPERATING CONSOLE

OPERATE WITH CONFIDENCE.

The Advisor display provides visual references, self diagnostics, and planning tools that keep the operator informed for better overall job site performance.

ADVISOR DISPLAY

- Multiple language selections
- Monitor machine conditions, including regeneration status
- Set automatic engine speed control; reduces engine speed when delays occur
- Calibrate machine components
- Access service code information
- Access *Paving Calculator*
- Reference *Paving by the Numbers* and start-up checklist
- Store operating preferences for multiple operators
- Set friction steering tension (AP555E)



Cat® operating consoles utilize positive feedback switches; the feel of fingertip activation promotes operator confidence.

INTUITIVE CONSOLES

- Grouped toggle switches ensure efficiency and performance
- Cruise-control feature maintains paving speed for smoother mats
- Three propel/steering modes: pave, travel, and maneuver
- When utilizing 2-sensor system, ratio control dials automatically adjust mix flow when changing paving widths
- Screed lock function prevents settling, eliminates bumps in the mat



WHEEL UNDERCARRIAGE

RESPONSIVE POWER, SMOOTH RIDE.

Quick reacting speed control ensures that responsive power is immediately available, while the wheeled undercarriage provides mobility and high speed capability when moving around the job site.

EXCELLENT MANEUVERABILITY

- Tight turning radius for quick mobility
- A position sensor located in the left steering cylinder helps maintain consistent travel speeds when making turns by adjusting the drive speed of the propel motors according to the steering angle of the front wheels, leading to better mat quality and less wear on the drive system
- The oscillating design easily overcomes obstacles, eliminates jarring effects and minimizes tow-point movement



1. Oscillating Bogies
2. Steering Position Sensor
3. Dual Solid Front Steering Wheels
4. Front Wheel Assist
5. All-Wheel Drive
6. Large 17.5 R25 Drive Tires

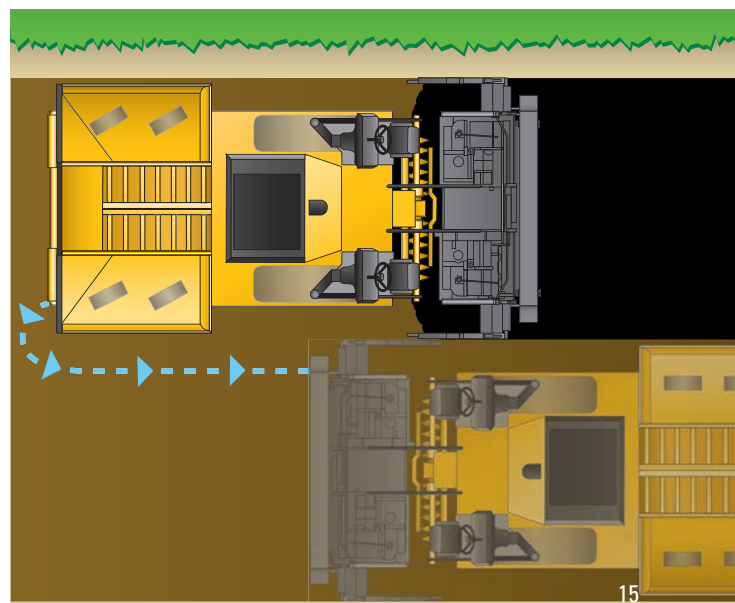
MOBILITY

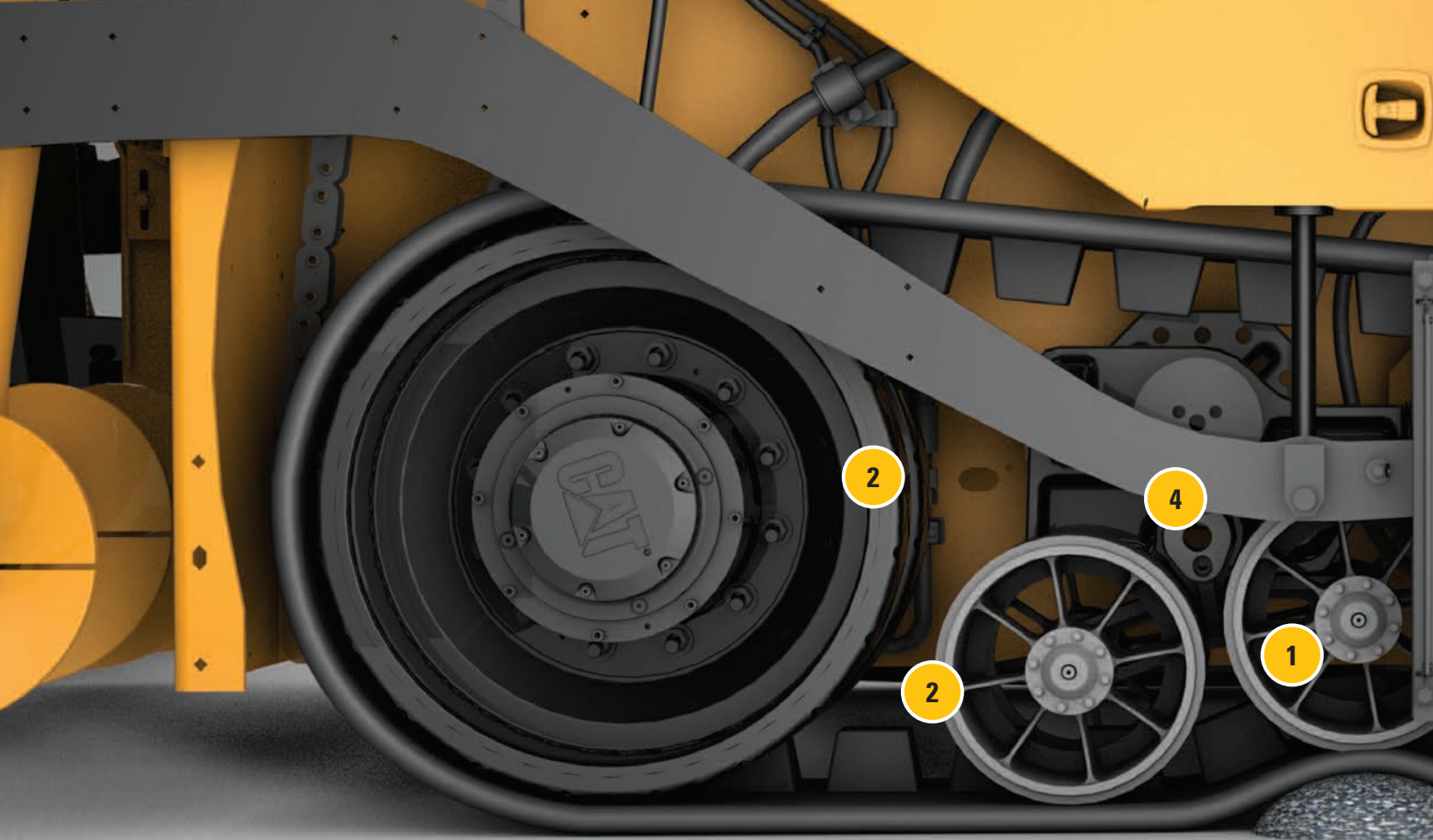
- Pave, Travel and Maneuver modes
 - Pave: Improved steering control when paving
 - Travel: Speeds of 0 - 16 km/hr (0 - 10 mph)
 - Maneuver: Optimizes steering control and delivers an inside turning radius of 0.75 m (2.5 ft)

FRONT WHEEL ASSIST OR ALL-WHEEL DRIVE

- Front wheel assist option provides power to the front bogie wheels for added traction when pushing trucks or working on soft base
- All-wheel drive option provides power to the front and rear bogie wheels, maximizing traction

Inside Turning Radius of 0.75 m (2.5 ft)





MOBIL-TRAC™ UNDERCARRIAGE

EXCELLENT TRACTION, HIGH SPEEDS.

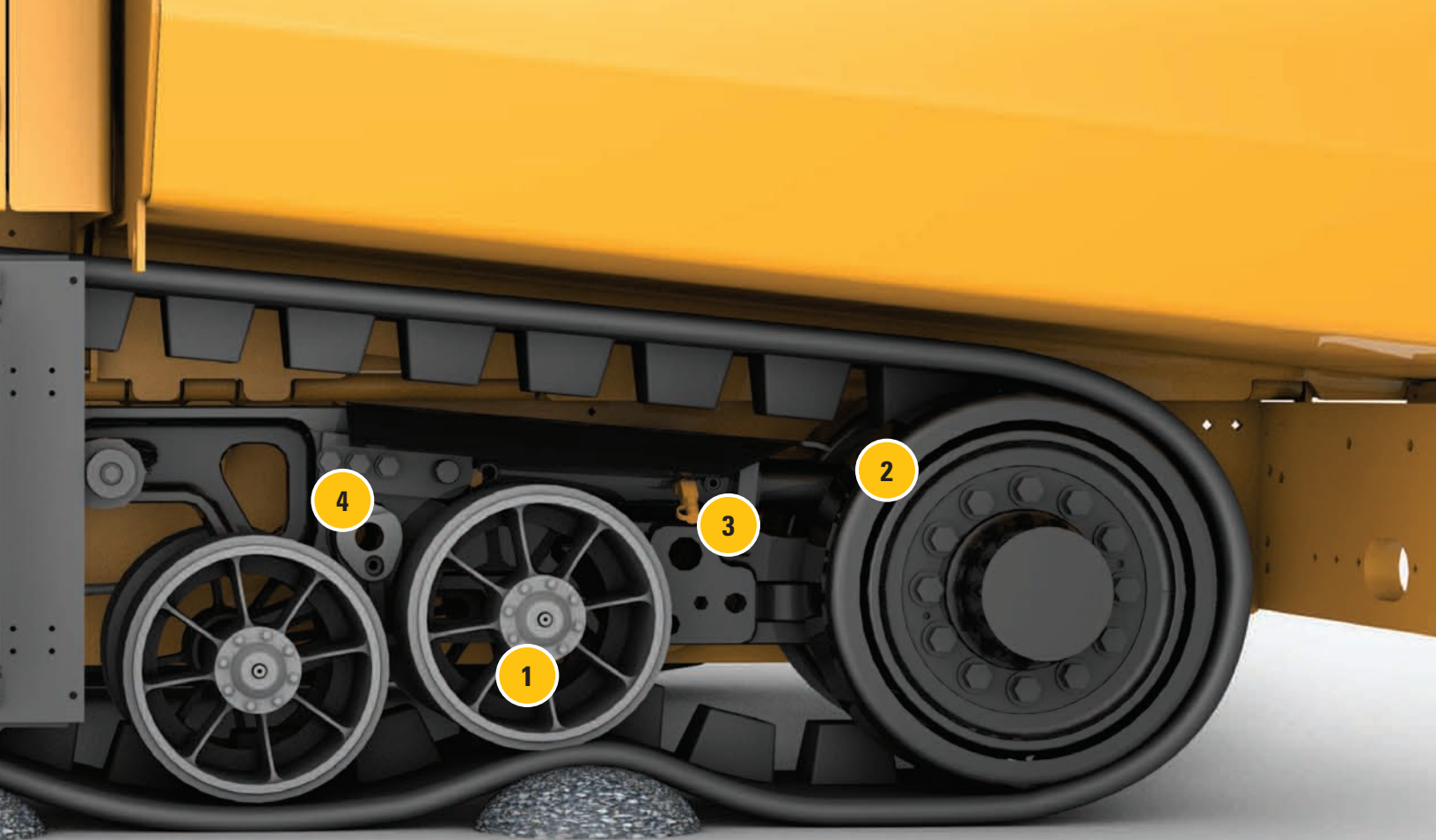
Maintenance-free and unmatched traction in both a smooth or tread-bar style belt; the Mobil-Trac™ undercarriage system provides mobility and high speed capability when moving around the job site.

MOBILITY

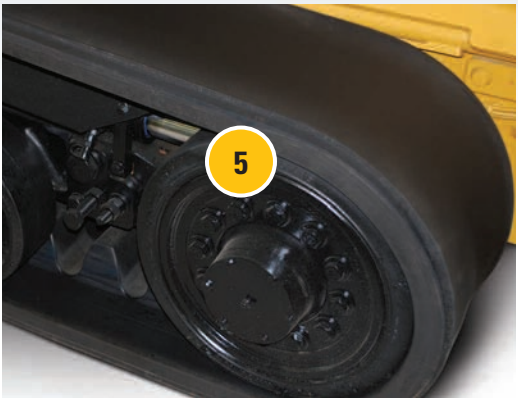
- High speed capability; similar to wheeled pavers
- Pave, Travel and Maneuver modes
 - Pave: Improved steering control when paving
 - Travel: Speeds of 0 - 11 km/hr (0 - 7 mph)
 - Maneuver: Optimizes steering control and enables the paver to rotate within its own footprint

SMOOTH RIDE

- Oscillating bogie design delivers ride of wheeled paver
- Easily overcomes obstacles, eliminates jarring effects
- Guide lugs keep the tracks centered for reliable performance



1. Oscillating Bogies
2. Rubber-Coated Components
3. Automatic Belt Tensioning
4. Pivot Point
5. Smooth Belt
6. Tread-bar Belt



PERFORMANCE

- Mobil-Trac undercarriage design minimizes tow-point movement
- Front and rear bogie sets crawl over obstacles; maintaining ground contact and minimizing tow-point movement
- Smooth belt performs well on soft base materials and fresh mats
- Tread-bar belt excels on loose paving/transport conditions
- Outstanding traction in any condition, excellent flotation

DURABILITY

- Self-tensioning accumulators, center guide blocks and rugged internal belt cables ensure durability
- Rubber-coated components designed to shed material and prevent accumulation

CAT® C4.4 ENGINE

POWER YOU CAN COUNT ON.



*Durability, reliability and performance
combined with lower emissions.*

CAT C4.4 WITH ACERT TECHNOLOGY

- Cat C4.4 engine meets U.S. EPA Tier 3/EU Stage IIIA emissions standards
- Provides 106 kW (142 hp imperial, 144 hp metric) of power
- The 4.4 liter engine has a displacement of (269 in³) and utilizes the Cat common rail fuel delivery system
- Utilizes ACERT Technology
- Oil change interval of 500 hour

HIGH AMBIENT COOLING SYSTEM

- Standard, high-capacity cooling
- Airflow design draws ambient air across the engine compartment and through the cooler
- Exhaust air exits toward the hopper, providing a cooler engine compartment and cooler operating environment
- Variable speed fans are electronically controlled and hydraulically driven to provide on-demand cooling
- On-demand operation reduces engine power demand, lowers sound levels, and increases fuel efficiency



SERVICE FEATURES

QUALITY COMPONENTS LAST LONGER, SAVE MONEY.

Maintaining productivity requires durable components that limit wear and extend equipment life.

QUICK RESOLUTION

Trouble-shooting has never been easier with the Advisor display and electronic control modules (ECM). The multiple ECMs communicate with the Advisor display. The display lists service codes, providing quick reference.

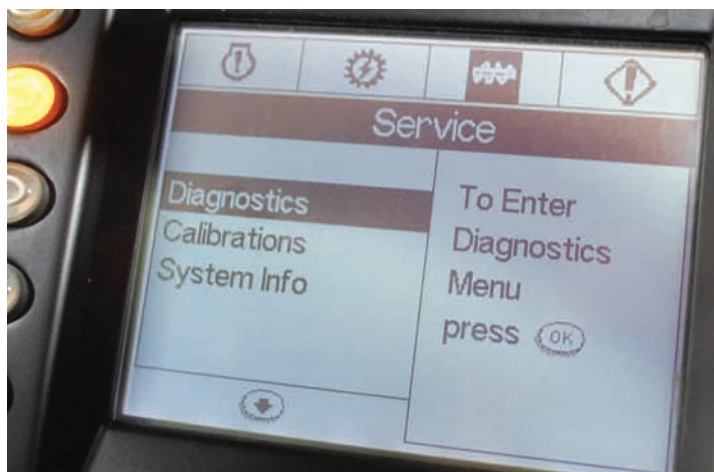
The ECMs are compatible with Cat Electronic Technician and easily connect to a laptop computer for fast technical support. Also, color-coded and numbered electrical wiring makes recognition easier when trying to locate the source of the fault code.

Manual overrides located throughout the hydraulic system ensure the machine processes every bit of material should a problem occur. The overrides also simplify troubleshooting procedures by enabling the technician to eliminate functioning systems.

- ECMs communicate with Advisor Display
- ECMs compatible with Cat Electronic Technician
- Color-coded and numbered electrical wiring
- Manual overrides help diagnose functioning systems
- Pressure test ports and oil sampling ports simplify diagnosis of the hydraulic system
- Remote-mounted fluid drains deliver clean collection

PLAN AHEAD

Reduce service costs by planning ahead. Knowing which components need to be serviced and when the machine will need them allows service personnel to make the necessary arrangements to help you save money.

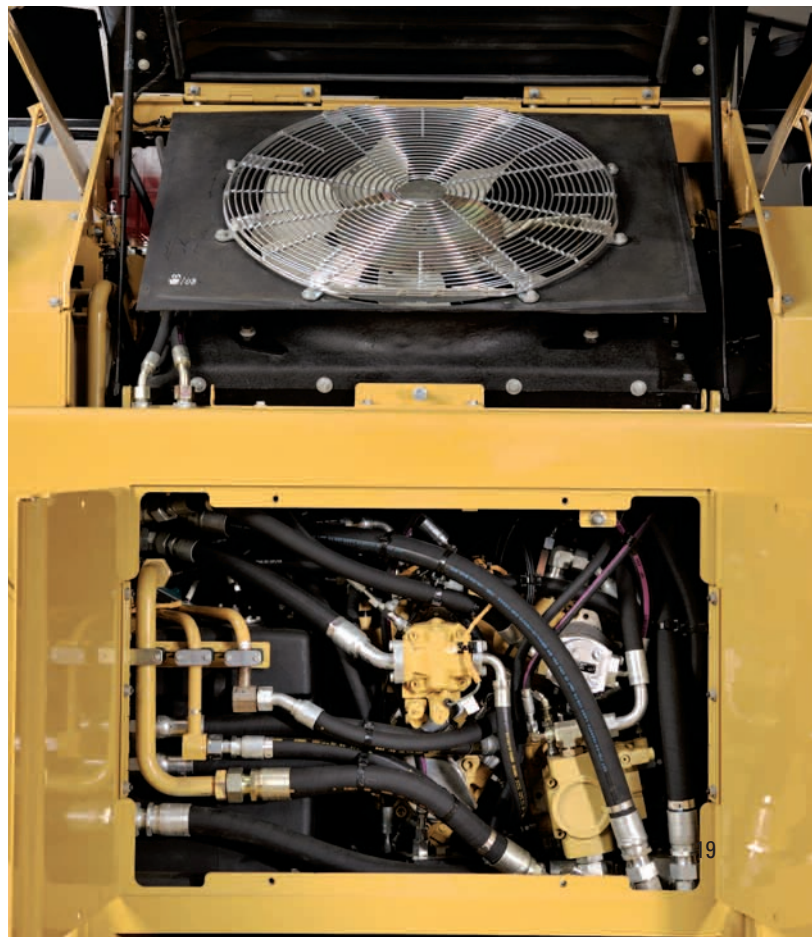


REBUILD PROGRAMS

Rebuild programs consisting of in-depth inspections of high wear items can be scheduled with your Cat Dealer in the off-season. These programs can prevent unscheduled downtime during the busy paving season.

MACHINE TRACKING MADE EASY

The optional Product Link System ensures maximum uptime and minimal repair costs by simplifying the tracking of equipment fleets. The system provides automatic machine location, hour updates, and diagnostic codes that can be used to schedule service requirements at more opportune times.



AS2252C

VERS-A-MAT™ VIBRATORY SCREED



TOP FEATURES

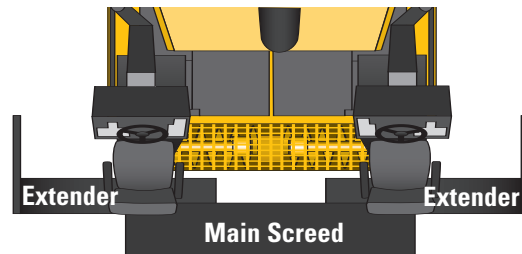
- Small footprint to minimize handwork
- Front-mounted 229 mm (9") extenders require less mix to maintain the head of material in front of the screed
- Narrow, quick-reacting extenders optimize performance around obstacles; perfect for frequent width changes
- Electrically heated screed plates offer cleaner working environment

APPLICATIONS

- High and low production job sites
- Excels on variable width paving applications
- Parking lots, highways, streets, rural roads, overlays

PAVING RANGES

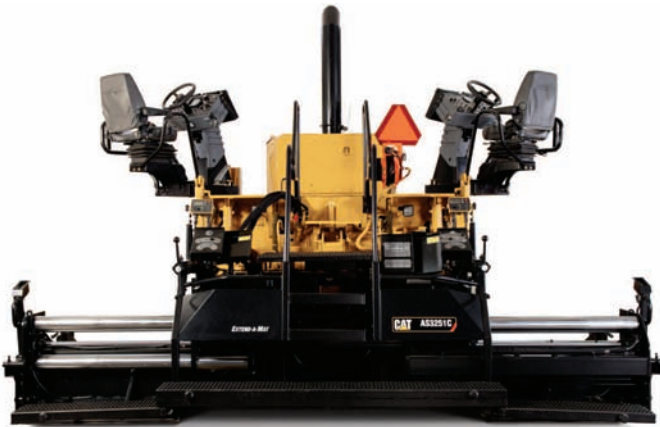
- Standard Paving Range: 2.5 m - 4.4 m (8' 2" - 14' 5")
- Maximum Paving Width: 5.6 m (18' 5") with bolt-on extensions



Front-Mounted Extenders

AS3251C

EXTEND-A-MAT™ VIBRATORY SCREED



TOP FEATURES

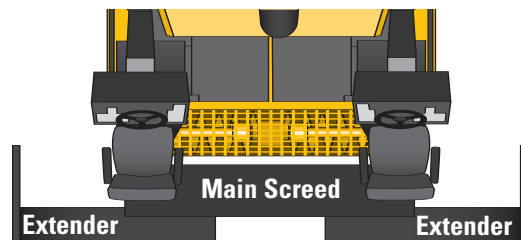
- Heavy-duty, rear-mounted extenders allow mix to easily flow out to the end gates when increasing paving widths
- Stable support tubes promote wide width paving
- Electrically heated screed plates offer cleaner working environment

APPLICATIONS

- Wide-width paving applications
- Airports, highways, streets, rural roads, overlays

PAVING RANGES

- Standard Paving Range: 2.44 m - 4.7 m (8' - 15' 6")
- Maximum Paving Width: 6.1 m (20' 2") with bolt-on extensions



Rear-Mounted Extenders

AS4251C

VIBRATORY AND TAMPER BAR SCREED



Tamper bars combined with vibratory screed plates optimize mat density behind the screed.

TOP FEATURES

- Balanced weight of 4000 kg (8,819 lb)
- Analog control (potentiometer) for tamper speed, vibratory speed, and counterbalance pressure
- Double-width power extenders provide unmatched stability
- Tamper bar system delivers an adjustable range up to 1700 rpm with a stroke of 4 mm (0.16")
- Adjustable vibratory screed plate range up to 3,000 vpm
- 400 mm (15") dual main screed plate widths
- 15 mm (0.60") screed plate thickness
- Low profile frame design for good visibility into the auger chamber
- Electric or LPG heated screed plates
- Foldable end gates (option) reduce transport width
- Power crown control (optional)

APPLICATIONS

- Excels on thin lifts and provides the ability to eliminate a compactor due to higher densities behind the screed
- Interstates, airports, highways, streets, rural roads, overlays, reclaimed concrete

PAVING RANGES

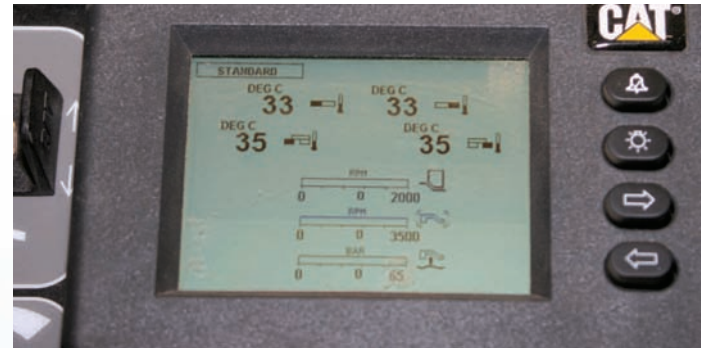
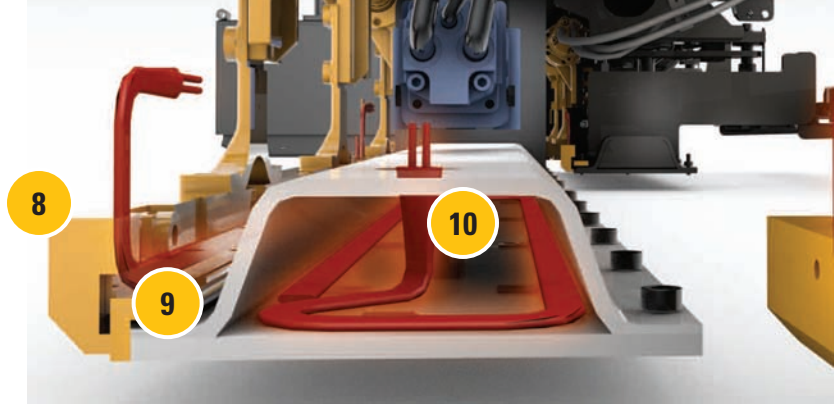
- Standard Paving Range: 2.55 m - 5.0 m (8' 4" - 16' 4")
- Maximum Paving Width: 7.0 m (23')



AS4252C

VIBRATORY AND TAMPER BAR SCREED

1. Heated End Gate (optional)
2. Foldable End Gate (optional)
3. Main Screed Controls
4. Tamper Bar Eccentric Drive
5. Tamper Bar Heating Element
6. Vibratory Drive (Variable Speed)
7. LCD Operating Display
8. Tamper Bar
9. Wear Plate
10. Screed Plate Heating Element



TOP FEATURES

- Balanced weight of 3200 kg (7,055 lb)
- Equipped with LCD display
- Double-width power extenders provide stability
- Tamper bar system delivers an adjustable range up to 1700 rpm with a stroke of 4 mm (0.16")
- Adjustable vibratory screed plate range up to 3,000 vpm
- 330 mm (13") single main screed plate width
- 13 mm (0.50") screed plate thickness
- Electrically heated screed plates and tamper bar deliver uniform heat distribution
- Heated end gates (option) prevent mix buildup
- Power crown control (standard)
- Foldable end gates reduce transport width

SCREED ADVISOR DISPLAY

- Available in multiple languages
- Keeps operator informed of the following:
 - Temperature of each screed section
 - Tamper bar speed
 - Vibratory speed
 - Counter-balance pressure

APPLICATIONS

- Excels on thin lifts, ability to eliminate a compactor due to higher densities behind the screed
- Interstates, airports, highways, streets, rural roads, overlays, reclaimed concrete (RCC)

PAVING RANGES

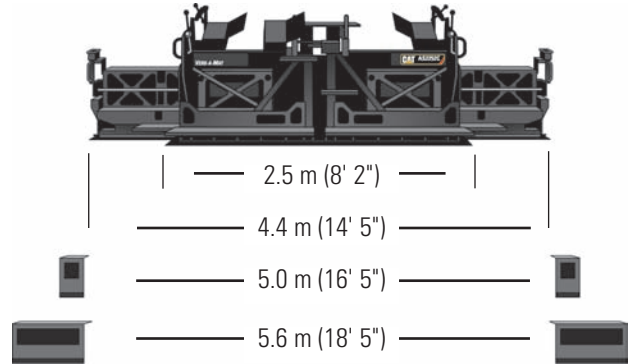
- Standard Paving Range: 2.55 m - 5.0 m (8' 4" - 16' 4")
- Maximum Paving Width: 8.00 m (26' 4") with bolt-on extensions

WIDE WIDTH PAVING PACKAGES

VIBRATORY SCREEDS

AS2252C SCREED EXTENSIONS

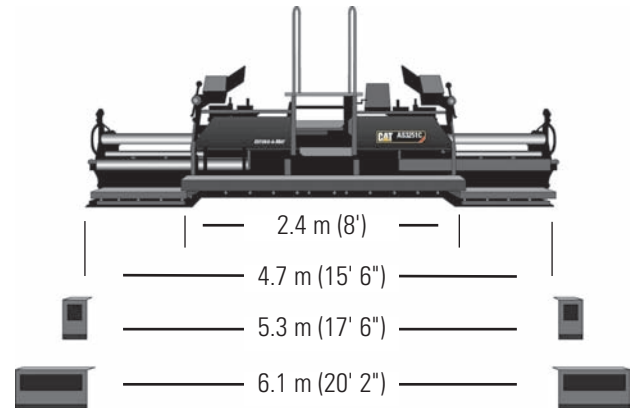
Extensions are available in 305 mm (1') and 610 mm (2') lengths. Screed extensions are electrically heated without vibration.



AS3251C SCREED EXTENSIONS

These extensions are available in 305 mm (1') and 711 mm (2' 4") lengths.

- 305 mm (1') extensions are electrically heated
- 711 mm (2' 4") extensions are electrically heated with vibration



VIBRATORY AND TAMPER BAR SCREEDS

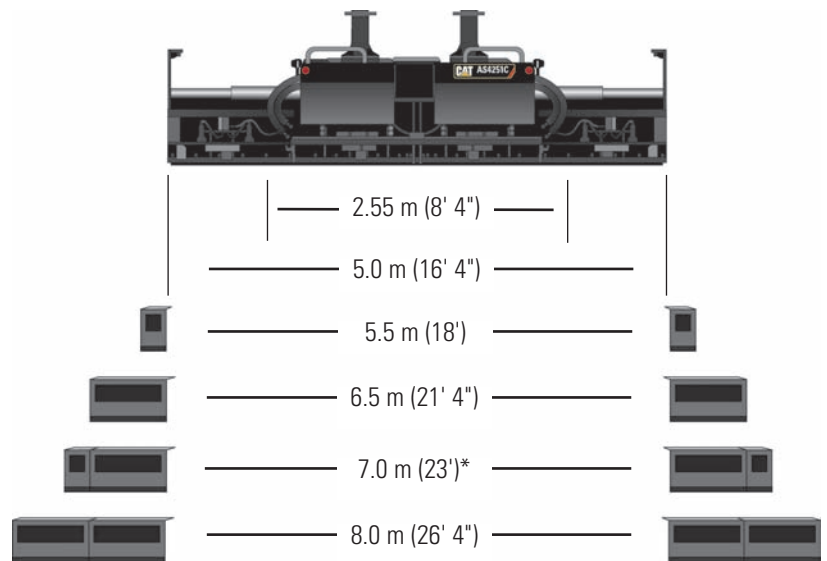
AS4251C AND AS4252C SCREED EXTENSIONS

Bolt-on extensions are available in lengths of 0.25 m (10") and 0.75 m (30"). Quick-connect hydraulic couplings simplify attachment.

- 0.25 m (10") extensions are electrically heated with tamper bars
- 0.75 m (30") extensions are electrically heated with tamper bars and vibration

* Maximum paving width of AP500E w/AS4252C screed is 7.0 m (23')

* Maximum paving width of AP555E w/AS4251C screed is 7.0 m (23')



Note: AS4251C screed cannot be utilized with the AP500E

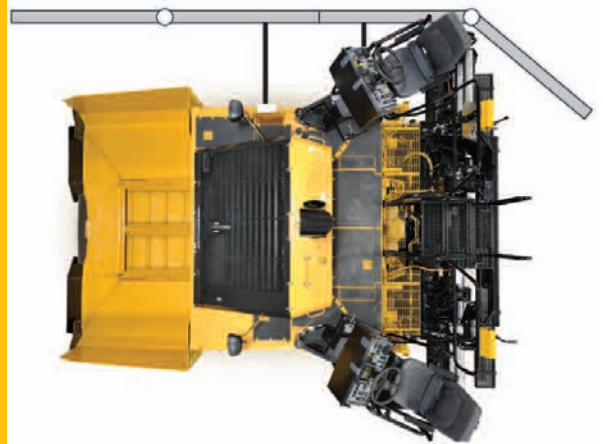


CAT GRADE AND SLOPE SYSTEM

**FACTORY INTEGRATION,
EASIER TO USE, MORE ACCURATE.**

Cat Grade and Slope is a factory-integrated guidance system that helps remove irregularities from the surface and control mat thickness for increased production, lower operating costs, and higher profitability. It is entirely supported by Caterpillar; ensuring the control system and paver are setup to optimize performance and meet job site requirements.

Cat Dealers offer exceptional knowledge of the grade and slope system, as well as paver and screed operation, providing a single source that meets all your paving needs.





1. Temperature Sensor
2. Sealed Sonic Sensor

GRADE AND SLOPE FEATURES

SINGLE OR DUAL DISPLAYS – EASY VISUALIZATION

- Each LCD display is able to control one or both sides of the screed
- Text-based menus offer multiple languages
- Equipped with brightness and contrast controls for good visibility in various lighting conditions

DURABLE ENCLOSURE

- Swivel capability enables visibility from a various positions
- Heavy-duty design provides overnight protection

SONIC GRADE SENSORS

- Sonic sensor is equipped with five ceramic transducers in each sensor, two readings are discarded, three are averaged
- 457 mm (18") optimal height
- Built-in temperature sensor accounts for temperature variation; sealed, reliable

CONTACTING GRADE SENSORS

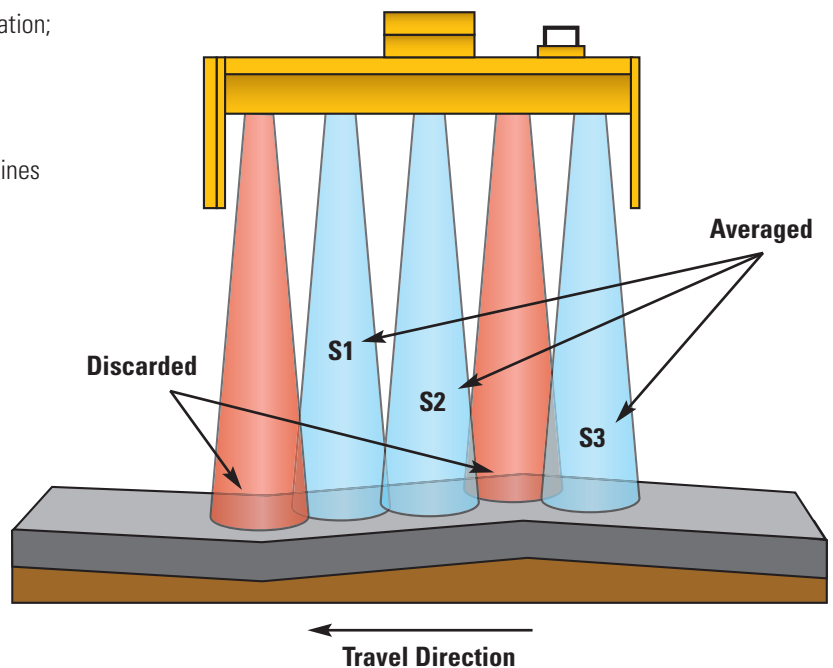
- Two designs; ground contacting ski, wand-type for string lines
- Effective for curbs and joints

SLOPE SENSOR

- Range of ±10 degrees (17.6%)
- Effective on super elevations

SONIC AVERAGING BEAM

- Equipped with up to three sensors; when paving super elevations, the front and rear sensor can be turned off for better control of mat thickness
- Averages total deviations and adjusts tow-point by 1/3 for true averaging; Note: When utilizing two grade sensors, tow-point is adjusted by 1/2 of the total deviation.
- Sensor height can be individually adjusted
- Easily move to the next starting point without disassembly.



$$\frac{S1+S2+S3}{3} = \text{Tow-point Movement (True Averaging)}$$

ADVANCED ELECTRIC SCREED HEAT

TOUCH-PAD TECHNOLOGY WITH MULTI-ZONE HEATING AND EVEN-HEAT DISTRIBUTION.

ELECTRIC HEAT FEATURES

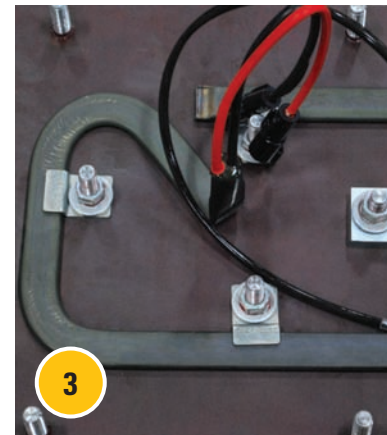
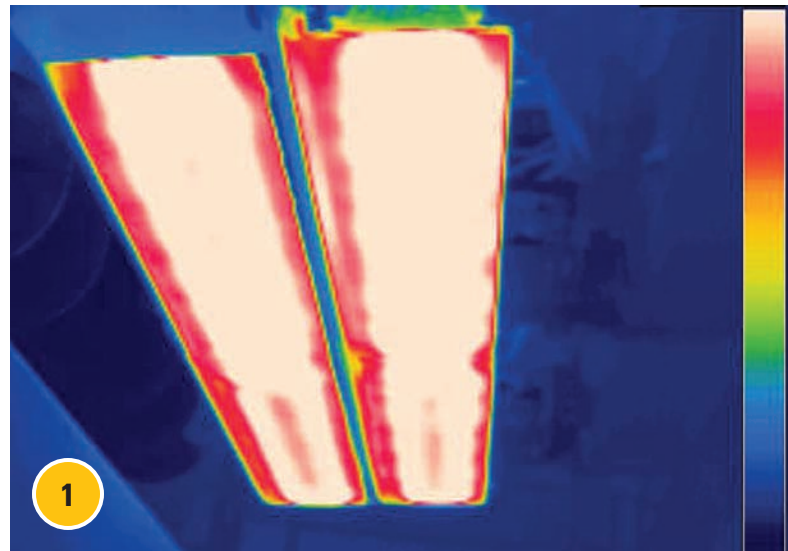
- Touch-pad technology and LED indicator lights create a user-friendly interface
- Three pre-set temperature settings for each screed section ensure even heat distribution
- Manual adjustments provide override capability
- Flattened bar type heating elements deliver reliability
- Temperature sensors in each screed section, including extensions
- On-board diagnostics enable operator to verify fault indicators

TRACTOR-MOUNTED GENERATOR

- GFCI circuit breaker protection
- Fast heat-up at low idle.
- Manual breaker reset
- 25 kW generator
 - supplies 25 kW at 60 Hz with engine speed 1275 or higher
 - provides power to the electric screed and auxiliary power panel
 - utilized for normal lighting packages

AUXILIARY POWER

- 7 kW of available power
- Six, 120-volt receptacles
- One, 240-volt receptacle
- Supports high intensity discharge lighting (HID), power tools



1. Even Heat Distribution
2. Electric Heat Panel
3. Heating Element
4. Generator
5. Auxiliary Panel

PRODUCT LINK

REDUCE COSTS.

Product Link gets you accurate, timely and useful information about the location, utilization and condition of your equipment.

TIMELY MAINTENANCE MANAGEMENT

- Easily plan and track maintenance
- Start with “built-in” Caterpillar recommended service intervals and customize to match your fleet and job needs
- See what service has been done and what is due at a glance
- “Click-through” features make it easy to contact your Cat Dealer for service and maintenance

CUSTOMIZED ALERTS & DISPLAYS

- See all alerts on one screen, or any that you specify
- Prioritize information; service alerts, operator-generated errors, etc.
- Send alerts to the people who need them via email or text message

USER-FRIENDLY DASHBOARD

- See individual machine status instantly
- Monitor current fuel level and total usage
- Stay on top of past due alerts
- Idle vs. Work Time graph helps you monitor utilization

ROBUST GEO-FENCING

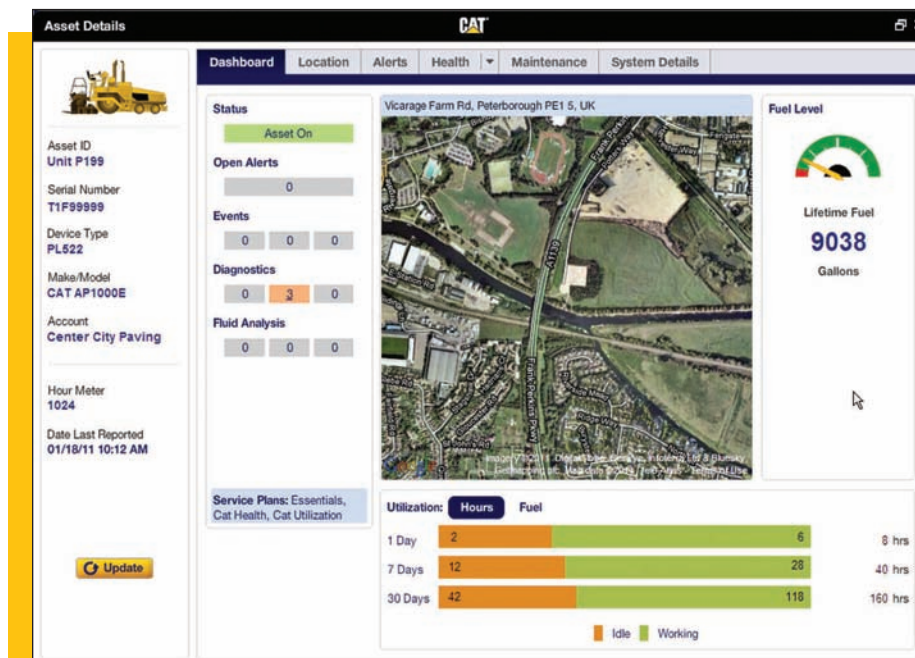
- Street maps and satellite view simplify set up of site boundaries
- Easily draw complex, accurate boundary shapes
- Provides valuable asset tracking and security monitoring tools

IDLE TIME VS. WORKING TIME

- Instantly relate and compare utilization of all assets on a job site
- Make better informed equipment decisions. Are there enough trucks delivering material or too few?

FAST PARTS ORDERING

- VisionLink™ provides “to do” checklists for common preventive maintenance and service procedures.
- “Built-in” parts lists for common procedures
- Click-through to PartStore™ and automatic loading of parts lists speed and simplify ordering.





SUSTAINABILITY

PROVIDING SOLUTIONS THAT FUTURE GENERATIONS CAN BUILD UPON.

LOWER ENGINE EMISSIONS

- Cat C4.4 ACERT engine meets U.S. EPA Tier 3/EU Stage IIIA emissions standards
- Utilization of low sulfur fuels and oil limits green-house gas emissions
- Automatic engine speed control leads to fuel conservation, lower emissions and lower sound levels

OPTIMIZED MATERIAL DELIVERY

- Precise mix delivery leads to smoother mats that last longer for future generations
- On-demand delivery results in slower moving components that extend service life and and save resources
- Cat Grade and Slope System optimizes mix delivery resulting in lower costs, less usage, and smoother roads for longer life

CLEANER MORE COMFORTABLE OPERATING ENVIRONMENT

- Ventilation system redirects fumes away from the crew for a better operating environment
- Lower sound levels due to reduced engine speeds
- Machine compartments are equipped with sound suppression material, limiting fatigue on the crew and surrounding environment

LONG LIFE COMPONENTS AND FASTER SERVICE

- Long life fluids extend service life
- Remote drains ports provide clean collection of fluids
- Washdown system utilizes eco-friendly releasing agents



CUSTOMER SUPPORT

TOTAL CUSTOMER SUPPORT OFFERED BY ONE COMPANY.

Cat Dealers offer the highest level of support available. Whether it's parts support, application support, machine support, or financial support, we offer it. Customer satisfaction continues to be our number one goal!

CAT DEALER SUPPORT

- Cat Financial Services to meet all of your business needs
- 24 Hour Parts Support, get parts when and where you need them
- Project Consulting, optimize performance of your equipment
- Service Training, increase knowledge of machine components in order to minimize downtime
- Paver Operator Training (P.O.T.), optimize machine performance

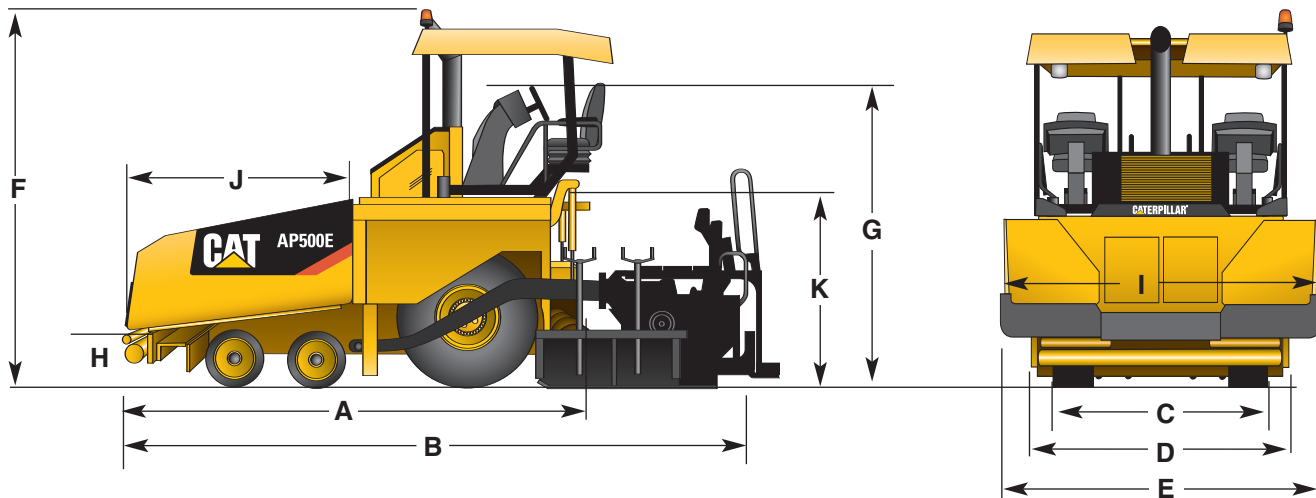
“UNTIL NOW, WE DIDN'T REALIZE WHAT GOOD CUSTOMER SUPPORT WAS.”

~ NEW CAT PAVING CUSTOMER

Optional Equipment

- | | |
|---|--------------------------------|
| Auger and Mainframe Extensions | Oscillating Push Roller |
| Auxiliary Power Panel | Power Folding Front Apron |
| Cut-Off Shoe | Power Mainframe Extensions |
| Decelerator Pedals | Product Link |
| Ecological Washdown System and Hose Reel | Screed Extensions |
| Feeder Sensor (Mechanical or Sonic) | Tow-point Indicators (Upper) |
| Friction Steering (AP555E) | Track Plow (AP555E) |
| Front Wheel Assist or All-Wheel Drive (AP500E) | Truck Hitch |
| Grade and Slope Controls (Cat/Topcon) | Umbrella |
| Hard Top Canopy | Up-time Kit |
| High Intensity Discharge Lights (w/Canopy) | Warning Beacon |
| Leveling Devices | Wide Width Paving Packages |
| Lights (Working or Roading) | Windshield (w/hard top canopy) |
| Mobil-Trac Undercarriage Belt; smooth/treadbar (AP555E) | |

AP500E Paver Specifications



Dimensions

A Tractor length w/push roller	4.38 m (14' 4")
B Length with push roller and AS2252C screed w/walkway up	5.46 m (17' 11")
Length with push roller and AS2252C screed w/walkway down	5.80 m (19')
Length with push roller and AS3251C screed	6.11 m (20')
Length with push roller and AS4252C screed	5.75 m (18' 10")
C Wheel gauge width (outside to outside)	2.49 m (8' 2")
D Transport width with screed end gates (hopper raised)	2.72 m (8' 11")
Transport width without screed end gates (hopper raised)	2.50 m (8' 2")
E Tractor operating width (hopper lowered)	3.31 m (10' 10")
F Operating height	3.84 m (12' 7")
G Transport height with fumes stack and seat lowered	2.82 m (9' 3")
H Truck entry height (apron)	545 mm (21")
I Truck entry width	3.20 m (10' 6")
J Hopper length	1.96 m (6' 5")
K Deck Height	1.78 m (5' 10")

Weights

AP500E Tractor only	12 590 kg (27,760 lb)
AP500E Tractor w/canopy	12 945 kg (28,539 lb)
w/AS2252C*	15 290 kg (33,715 lb)
w/AS3251C*	15 520 kg (34,220 lb)
w/AS4252C **	16 145 kg (35,594 lb)

* Weight without canopy

** Weight with canopy

Paving Range

w/AS2252C	1.88 m - 5.60 m (6' 2" - 18' 5")
w/AS3251C	1.83 m - 6.15 m (6' - 20' 2")
w/AS4252C	2.55 m - 7.00 m (8' 2" - 23')
Max Paving Depth	305 mm (12")

Powertrain

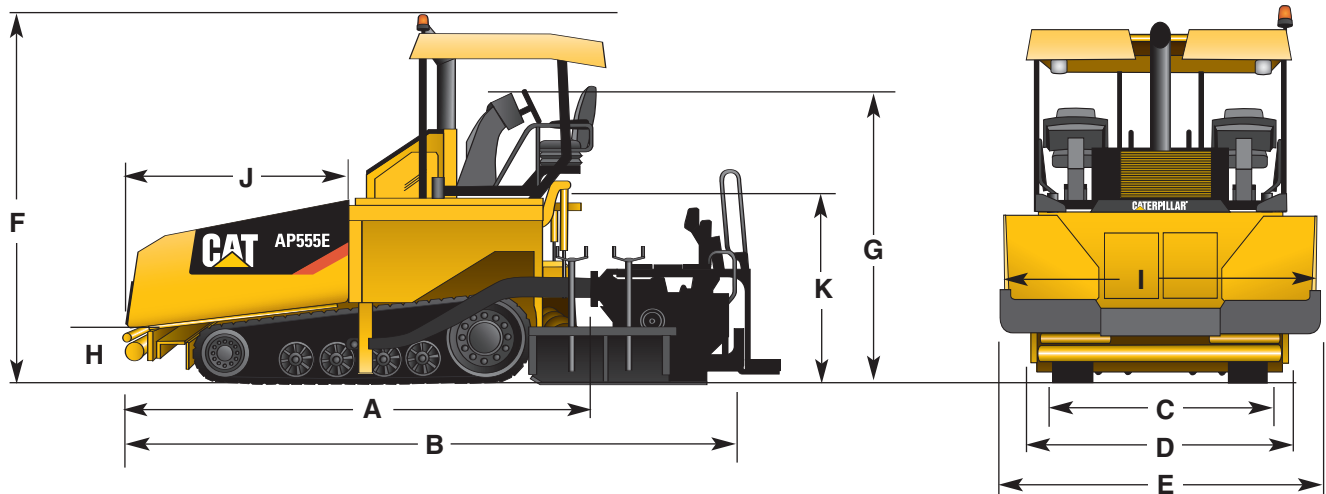
Cat C4.4 ACERT engine	
Gross Power (Imperial)	106 kW (142 hp)
Gross Power (Metric)	106 kW (144 hp)
Fuel tank capacity	189 L (50 gal)
Speeds:	
Paving	61 mpm (200 fpm)
w/tamper bar screed	25 mpm (82 fpm)
Travel	16 km/hr (10 mph)

Miscellaneous

Max. throughput capacity	1087 tonnes/h (1,198 tons/h)
Hopper capacity*	6.2 m ³ (219 ft ³)
Electrical system	24 V, 75A alternator
Generator size	25 kW

* Includes tunnels

AP555E Paver Specifications



Dimensions

A Tractor length w/push roller	4.38 m (14' 4")
B Length with push roller and AS2252C screed w/walkway up	5.46 m (17' 11")
Length with push roller and AS2252C screed w/walkway down	5.80 m (19')
Length with push roller and AS3251C screed	6.11 m (20')
Length with push roller and AS4251C screed	5.75 m (18' 10")
Length with push roller and AS4252C screed	5.75 m (18' 10")
C Track gauge width (outside to outside)	2.22 m (8' 3")
D Transport width with screed end gates (hopper raised)	2.72 m (8' 11")
Transport width without screed end gates (hopper raised)	2.50 m (8' 2")
E Tractor operating width (hopper lowered)	3.31 m (10' 10")
F Operating height	3.84 m (12' 7")
G Transport height with fumes stack and seat lowered	2.82 m (9' 3")
H Truck entry height (apron)	576 mm (23")
I Truck entry width	3.20 m (10' 6")
J Hopper length	1.96 m (6' 5")
K Deck Height	1.78 m (5' 10")

Weights

AP555E Tractor only	12 590 kg (27,760 lb)
AP555E Tractor w/canopy	12 945 kg (28,539 lb)
w/AS2252C*	16 005 kg (35,290 lb)
w/AS3251C*	16 240 kg (35,810 lb)
w/AS4251C**	17 710 kg (39,044 lb)
w/AS4252C**	16 745 kg (36,916 lb)

* Weight without canopy

** Weight with canopy

Powertrain

Cat C4.4 ACERT engine	
Gross Power (Imperial)	106 kW (142 hp)
Gross Power (Metric)	106 kW (144 hp)
Fuel tank capacity	189 L (50 gal)
Speeds:	
Paving	61 mpm (200 fpm)
w/tamper bar screed	25 mpm (82 fpm)
Travel	11 km/hr (7 mph)

Paving Range

w/AS2252C	1.88 m - 5.60 m (6' 2" - 18' 5")
w/AS3251C	1.83 m - 6.15 m (6' - 20' 2")
w/AS4251C	2.55 m - 7.00 m (8' 2" - 23')
w/AS4252C	2.55 m - 8.00 m (8' 2" - 26' 4")
Max Paving Depth	305 mm (12")

Miscellaneous

Max. throughput capacity	1087 tonnes/h (1,198 tons/h)
Hopper capacity*	6.2 m ³ (219 ft ³)
Electrical system	24 V, 75A alternator
Generator size	25 kW

* Includes tunnels

AP500E and AP555E Paver

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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Featured machines in photos may include additional equipment.
See your Cat Dealer for available options.

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QEHO1480 (7/11)
Replaces: QEHO1428, QEHO2135,
QEHO1433, HEHG4361-01

