CAT® PAVER AND SCREED SOLUTIONS

PAVING ALL DAY. EVERY DAY.

CONTENTS

AP555E/AS4252C
Urban Street

AP300/AS3173
Rural Road

AP655D/AS4251C
RCC Mix

AP500E/AS4252C
Residential Street

PAVING ROADS

ALL DAY. EVERY DAY.

At Caterpillar Paving Products, all we think about is paving. Worldwide, no other manufacturer has more people dedicated to helping paving customers increase productivity, quality and profitability than Caterpillar.

Our line of Cat® pavers and screeds reflect that dedication, providing customers with durable, reliable and versatile machines that lower risk and increase mat quality.

We invite you to compare our pavers side-by-side with competitive machines–the quality and value of our machines will stand out. Visit your local Cat Dealer today and see what makes Caterpillar the first choice of paving customers around the globe.

AP600D/AS4251C
Motorway

AP555E/AS4252C
Rural Road

AP655D/AS4251C
Concrete Treated Base

AP1055E/AS3301C
Highway

FEATURES

HIGH PERFORMANCE, RELIABLE AND DURABLE.

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
– Eco-mode increases fuel efficiency (AP1000E and AP1055E)
– Integrated Cat Grade and Slope System
– Screed lock feature prevents settling
– Product Link option with VisionLink™ software – equipment managment

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 limit spillage – less handwork
– Rigid screeds deliver excellent stability

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

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

WHEEL UNDERCARRIAGE

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

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 with even ground contact pressures
– Smooth or tread-bar pattern belts available
– Smooth-belt leads to less base disturbance and minimizes handwork
– Speeds similar to wheeled pavers

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 operating costs

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.

LOADED WITH TECHNOLOGY

CONTINUING TO LEAD WITH SOLUTIONS THAT WORK.

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. Tamper Bar Screeds and Vibratory Screeds


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AP555E

SMOOTH DELIVERY

CONTINUOUS FLOW LEADS TO BETTER MAT QUALITY.

SMOOTH FLOW

– Wide tunnel and narrowly spaced conveyor bars ensure smooth flow to the auger chamber
– Four position adjustable push-roller conforms to trucking fleet for smoother exchanges
– Reversible augers and conveyors minimize spillage at the end of the paving pass

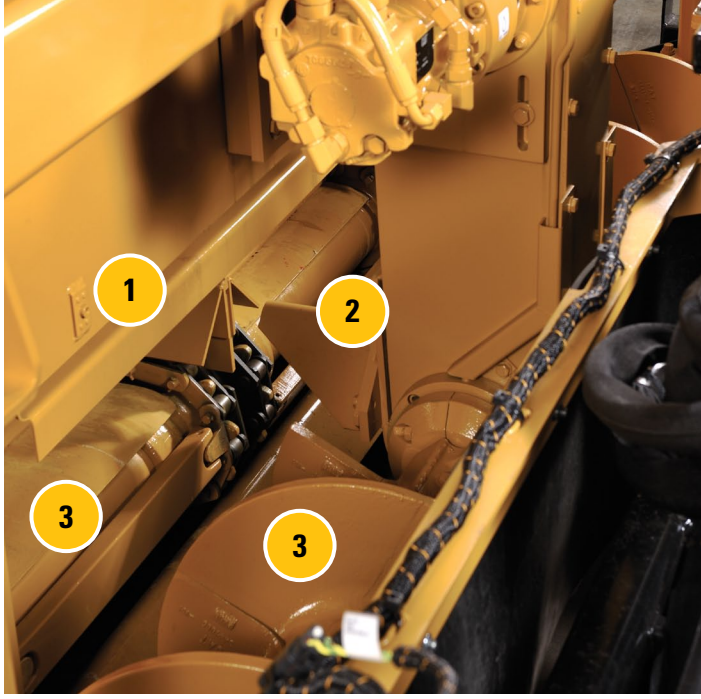
DURABLE, LONG-LIFE COMPONENTS

– 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 contaminates away from seals for longer life

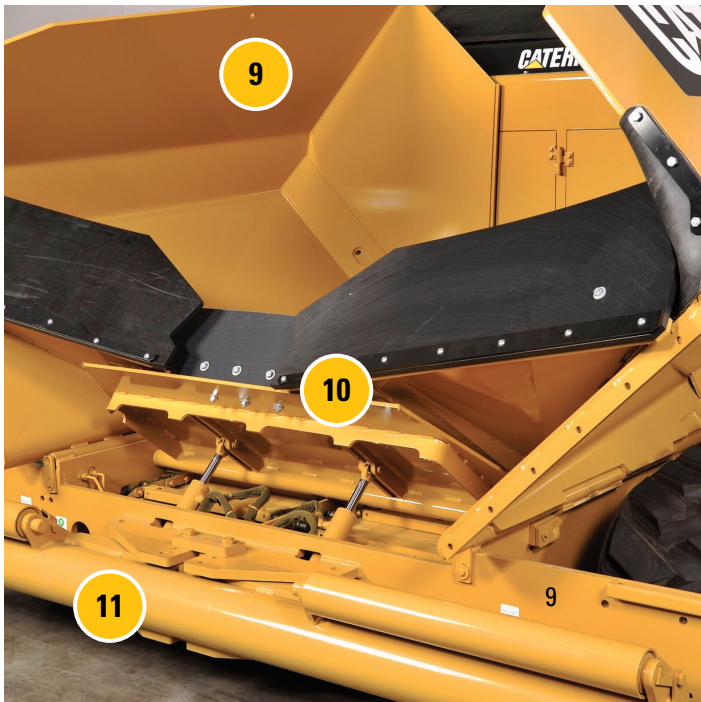
AUTOMATED DELIVERY

– 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 adjust 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

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 conveyor bar spacing
7. Heavy-duty conveyor chains
8. Thick floor plates
9. Independent hopper actuation
10. Hydraulic folding front apron (optional)
11. Adjustable push-roller



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



OPERATING ENVIRONMENT

COMFORT AND VISIBILITY INCREASE PERFORMANCE.

DUAL INDEPENDENT OPERATING STATIONS

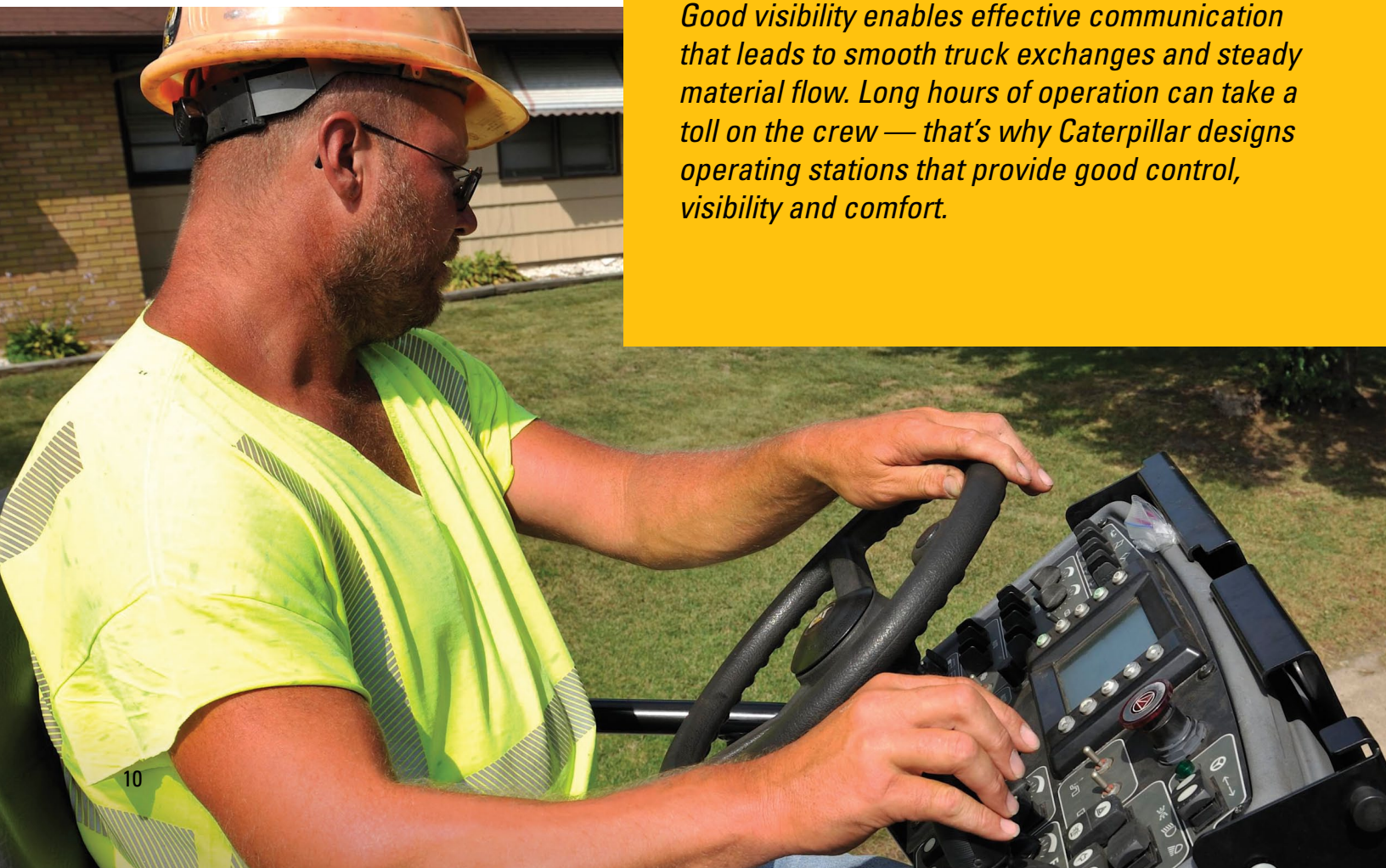
– Controls move with the operator
– Dual independent stations offer back-up capability*
– Stations extend beyond frame for increased all-around visibility
– Operator customization with multiple seat adjustments and tilting consoles
– 12-volt power receptacle, supports communication devices
– Upper and 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

* AP600D and AP655D are equipped with a single sliding operating console in some markets, consult with your local Cat Dealer for more information.

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.



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.

FUMES MANAGEMENT SYSTEM

MORE COMFORT FOR YOUR CREW.

BETTER OPERATING CONDITIONS

– Operator-friendly environment
– Top-mounted cooling system directs fumes and hot air away from crew,
– Cooling system also redirects fumes surge that occurs when mix is dumped into the hopper
– 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 resulting in less fuel usage and lower sound levels
- 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

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

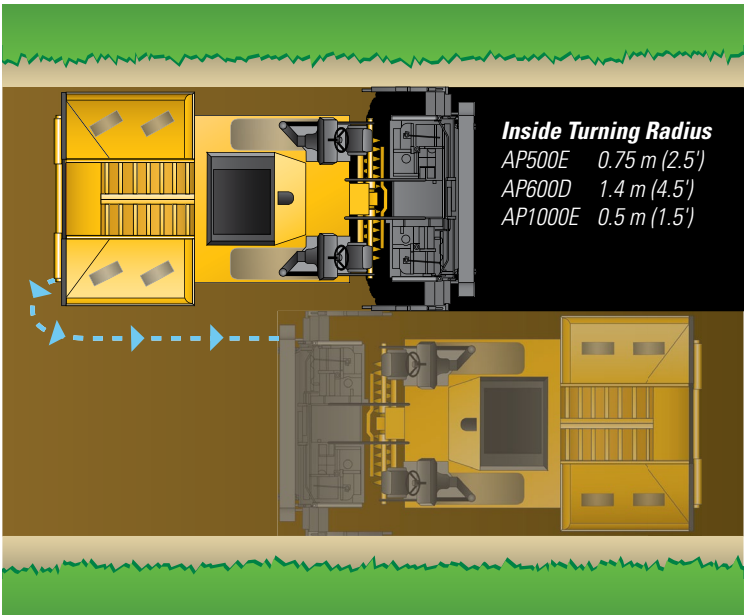
Cat® operating consoles utilize positive feedback switches; the feel of fingertip activation promotes operator confidence, even with gloves on.

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.

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



EXCELLENT MANEUVERABILITY

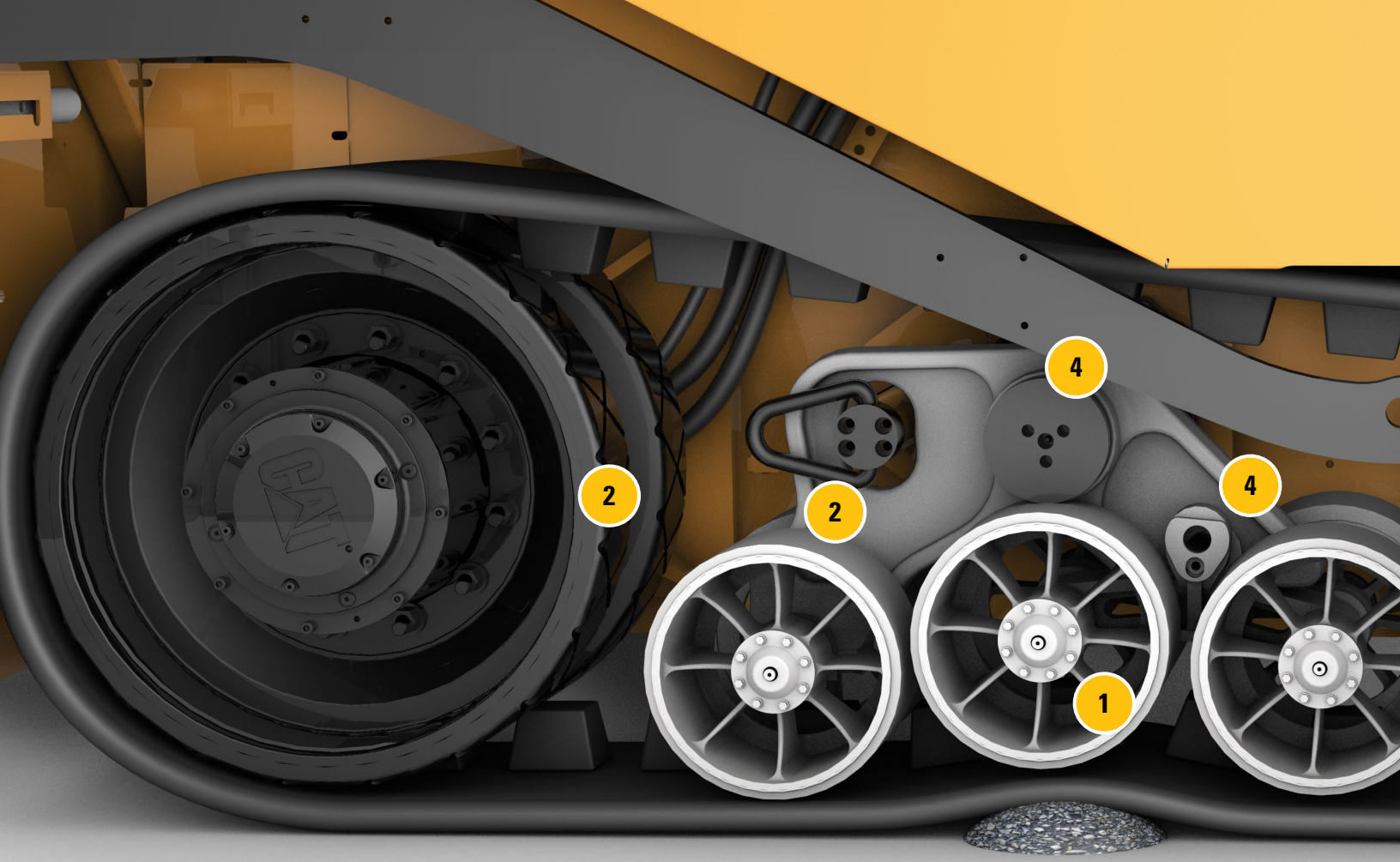
– Tight turning radius for quick mobility
– Power Turning System
  - A position sensor located in the left steering cylinder helps maintain consistent travel speeds when making turns by adjusting the drive speed of the propel motors according to the steering angle of the front wheels, leading to better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

MOBILITY

– Pave, Travel and Maneuver modes
  - Pave: Improved steering control when paving
  - Travel: Maximum speeds
  - Maneuver: Optimizes steering control and delivers a tight inside turning radius

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



MOBIL-TRAC™ UNDERCARRIAGE

EXCELLENT TRACTION, HIGH SPEEDS.

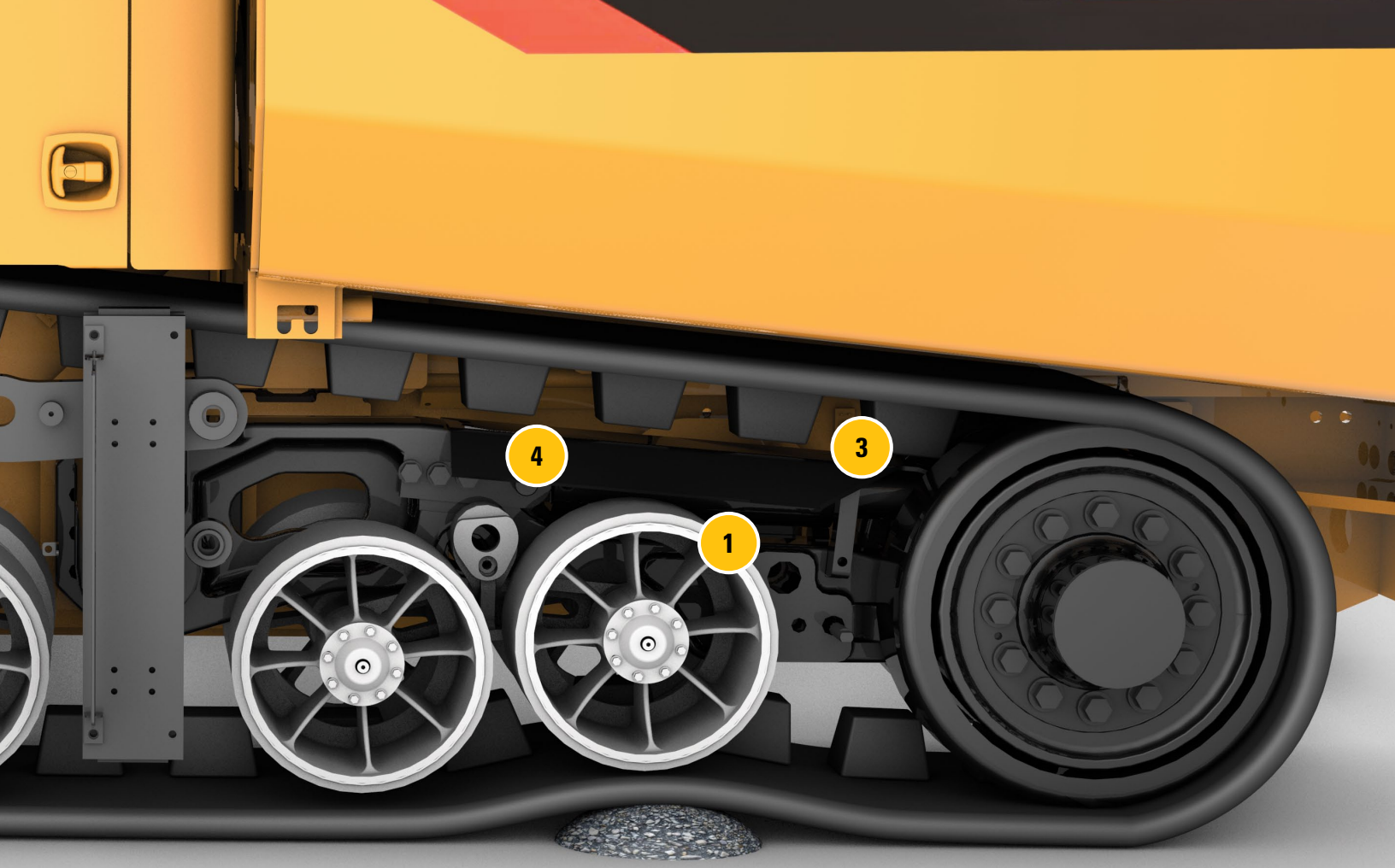
Maintenance-free and unmatched traction in both a smooth or tread-bar style belt; the Mobil-Trac™ undercarriage system provides mobility and high speed capability when moving around the job site.

MOBILITY

– High speed capability; similar to wheeled pavers
– Pave, Travel and Maneuver modes
  - Pave: Improved steering control when paving
  - Travel: Maximum speeds
  - Maneuver: Optimizes steering control and enables the paver to rotate within its own footprint

DURABILITY

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



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

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

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 and low ground pressures due to the large track area

AP255E PAVER

STEEL TRACK UNDERCARRIAGE

MACHINE OVERVIEW

The AP255E is a compact, extremely versatile paver that offers flexible paving widths, smooth delivery and easy-to-use controls. The AP255E is built to work in confined spaces thanks to its small footprint and extraordinary maneuverability.

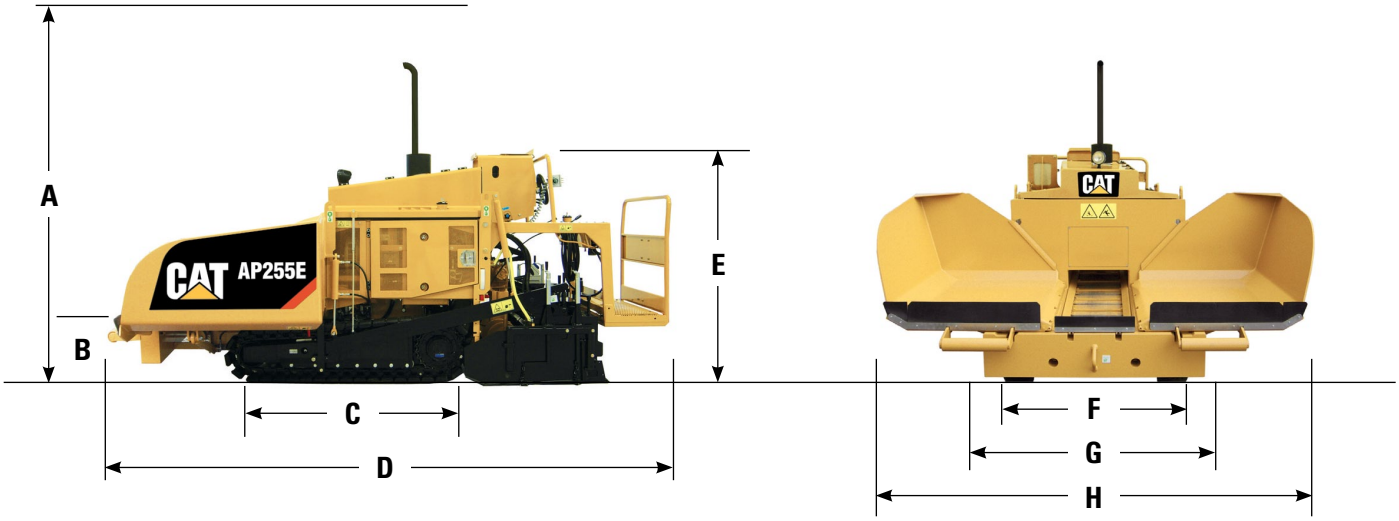
HIGHLIGHTS

- 150 mm to 3400 mm (6" - 134") paving range
- Maximum throughput capacity is 73 metric tph (80 tph)
- Cat® C2.2 engine delivers 34.1 kW (46 metric hp) and meets Tier 4/Stage IIIB emissions
- Multiple paving width reduction attachments
- High ground clearance
- Electrically heated screed plates with on-board generator
- Operator presence switch enables machine functions
- Reversible augers
- Independent hopper control
- Three automatic material feed sensors

APPLICATIONS

- Bike paths
- Courtyards
- Maintenance and patchwork
- Small construction sites
- Town centers
- Trenches

SPECIFICATIONS



Dimensions

A	Operating height	2563 mm (8′ 4″)
B	Discharge height	582 mm (23″)
C	Ground contact length	1384 mm (4′ 7″)
D	Overall length	4208 mm (13′ 10″)
E	Transport height	1744 mm (5′ 9″)
F	Track gauge width	1314 mm (4′ 4″)
G	Transport width	1595 mm (5′ 3″)
H	Tractor operating width	3004 mm (9′ 10″)

Operating Weights

Tractor with AS3143 screed	4720 kg (10,406 lb)

Material Delivery

Maximum throughput capacity	73 tonnes/h (80 tph)
Augers	independent, reversible
Auger flight diameter	260 mm (10″)
Hopper capacity w/tunnels	3.1 m^3 (109 ft^3)
Vibration frequency	3400 rpm
Crown adjustment	+4.5% to -2.5%

Screed Paving Range

Hydraulically extendable	1400 mm - 2600 mm (55″ - 102″)
Maximum w/extensions	2600 mm - 3400 mm (102″ - 134″)
Reduction attachment	500 mm - 1400 mm (20″ - 55″)
Side attachment	150 mm - 1000 mm (6″ - 39″)
Maximum depth	127 mm (5″)

Powertrain

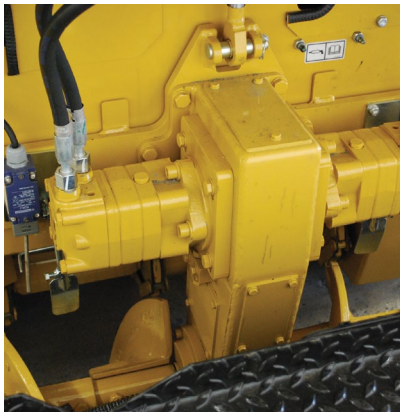
Cat C2.2 engine	34.1 kW (46 metric hp)
Fuel capacity	65 L (17 gal)
Generator size	12 kW @ 240 VAC
Electrical system	12 V

Speed

Paving	33 m/min (108 fpm)
Travel speed	3.2 km/hr (2 mph)

AP300 PAVER

WHEEL UNDERCARRIAGE



MACHINE OVERVIEW

The AP300 delivers a wide range of applications, including new construction, resurfacing, and maintenance projects. The narrow paving capability and high transfer speed of the wheel undercarriage delivers superior performance for smaller applications, while the compact size enables easy transport with utility-sized compactors and other job site equipment.

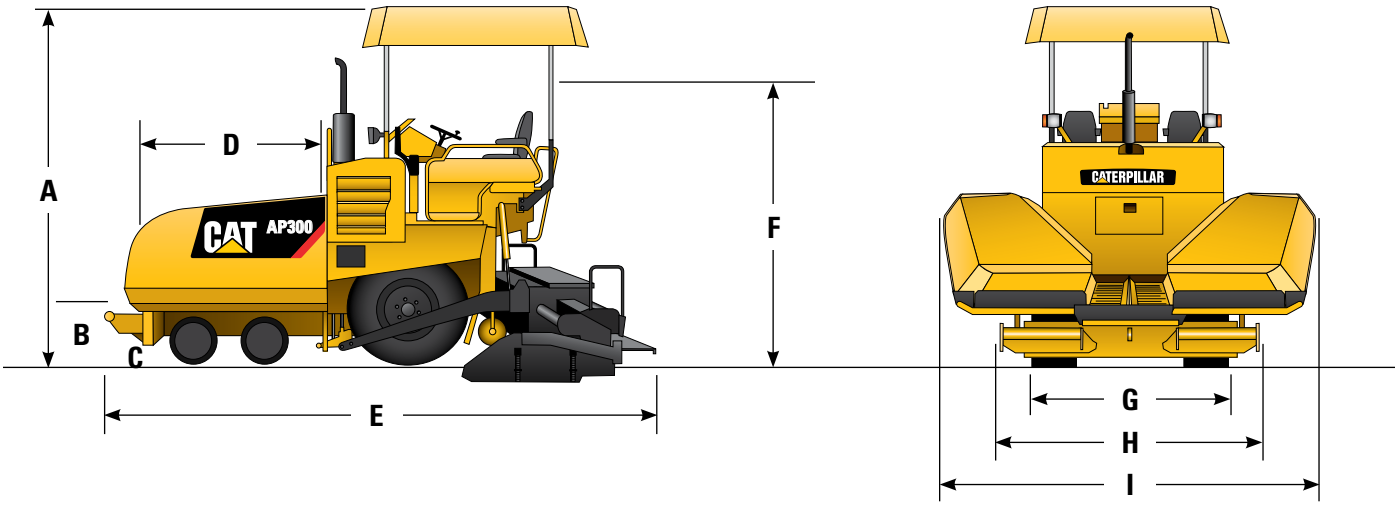
APPLICATIONS

- Base aggregates
- Maintenance and patchwork
- Play grounds
- Pathways
- Sidewalks
- Small parking lots
- Trench work

HIGHLIGHTS

- 4.0 m (13') maximum paving width
- Paving width reduction attachment narrows paving capability to 0.65 m (25")
- Cat® 3054C DINA engine delivers 52 kW and meets Tier 2/Stage II emission standards
- Versatile speed control with a maximum travel speed up to 16 km/hr (10 mph)
- Front wheel assist option enhances traction
- Dual stations with single sliding console
- Individual control of each auger and each conveyor
- Reversible augers and conveyors

SPECIFICATIONS



Dimensions

A	Operating height	3340 mm (10′ 11″)
B	Truck entry height	570 mm (22″)
C	Ground clearance	200 mm (8″)
D	Hopper length	1700 mm (5′ 7″)
E	Transport length with screed	4820 mm (15′ 10″)
F	Transport height	2960 mm (9′ 8″)
G	Track gauge width	1620 mm (5′ 4″)
H	Transport width	1730 mm (5′ 8″)
I	Tractor operating width	3180 mm (10′ 5″)

Operating Weights

Tractor w/AS3173 screed	7300 kg (16,094 lb)

Material Delivery

Augers and conveyors	Reversible
Auger flight diameter	206 mm (8″)
Hopper capacity w/tunnels	3.8 m^3 (134 ft^3)
Auger height adjustment	Yes
Screed heating	Electric or LPG
Screed assist	Yes

Screed Paving Range

AS3173 (standard)	1.70 m - 3.20 m (5′ 7″ - 10′ 6″)
Maximum w/extensions	4.0 m (13′ 2″
Max. paving depth	305 mm (12″)

Powertrain

Cat 3054C DINA engine	52 kW
Fuel capacity	79.5 L (21 gal)
Generator size	12 kW
Electrical system	12 V, 75 amp alternator

Speed

Paving (1st gear)	0 - 40 m/min (131 fpm)
Paving (2nd gear)	0 - 85 m/min (279 fpm)
Travel (3rd gear)	10 km/hr (6.2 mph)
Travel (4th gear)	16 km/hr (10 mph)

AP500E PAVER

WHEEL UNDERCARRIAGE

MACHINE OVERVIEW

The AP500E is a small to mid-sized paver that offers excellent mobility in confined areas due to its compact size and tight turning wheel undercarriage. It combines the latest technology with high production characteristics for a very versatile paver. Its size and weight enables easy transport with small and medium-sized compaction equipment.

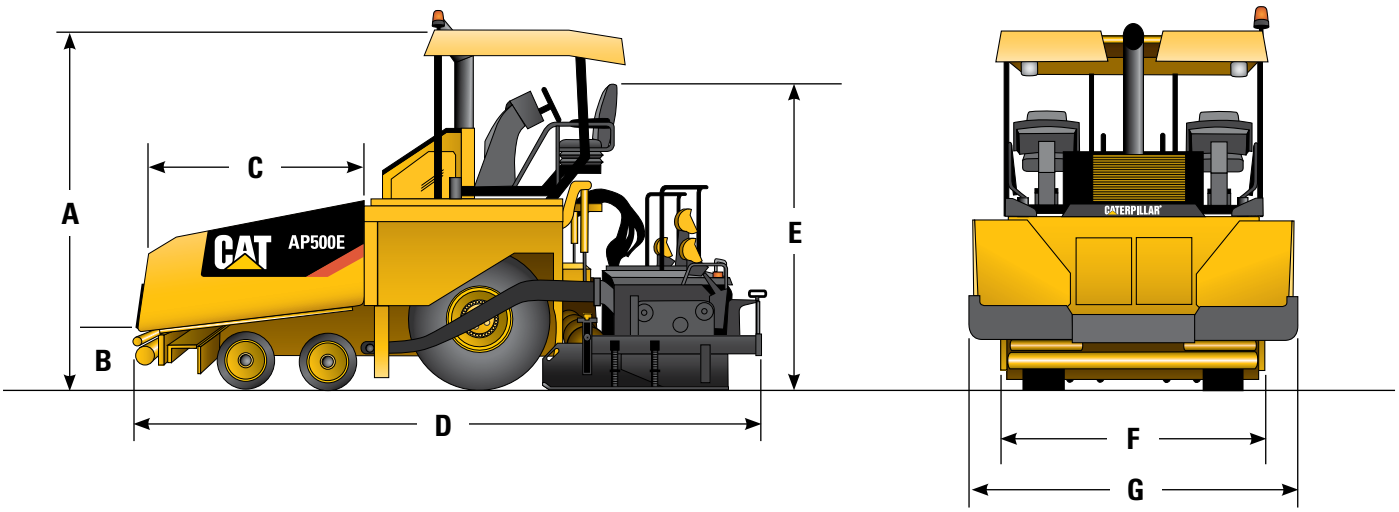
APPLICATIONS

- Base aggregates
- Highways
- Overlays
- Parking lots
- Pathways
- Patchwork/resurfacing
- Roller compacted concrete (RCC)
- Rural roads
- Urban streets

HIGHLIGHTS

- 7.0 m (23') maximum paving width
- Maximum throughput capacity is 1087 tonnes/h (1,198 tph)
- Cat C4.4 engine delivers 106 kW (142 hp) and meets Tier 3/Stage IIIA emission standards
- Automatic engine speed control
- Power Turning System delivers a tight inside turning radius of 0.75 m (2.5') and provides traction to push haul trucks through turns
- Front wheel assist or all-wheel drive options
- Advisor operating display; multiple language options, machine monitoring, job site planning
- Fumes Management System
- Dual independent operating stations
- Individual control of each auger and each conveyor

SPECIFICATIONS



Dimensions

A	Operating height	3.84 m (12′ 7″)
B	Truck entry height	545 mm (21″)
C	Hopper length	1.96 m (6′ 5″)
D	Transport length w/AS2252C screed	5.46 m (17′ 11″)
	Transport length w/AS3251C screed	6.11 m (20′)
	Transport length w/AS4252C screed	5.75 m (18′ 10″)
E	Transport height	2.82 m (9′ 3″)
F	Transport width w/foldable end gates	2.72 m (8′ 11″)
G	Tractor operating width	3.31 m (10′ 10″)

Operating Weights

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

* Weight without canopy
** Weight with canopy

Material Delivery

Maximum throughput capacity	1087 tonnes/h (1,198 t/h)
Augers and conveyors	Reversible
Auger height adjustment range	216 mm (8.5″)
Auger flight diameter	406 mm (16″)
Hopper capacity w/tunnels	6.2 m^3 (219 ft^3)
Power mainframe extensions	457 mm (18″)

Screed Paving Range

AS2252C	1.88 m - 5.60 m (6′ 2″ - 18′ 5″)
AS3251C	1.83 m - 6.15 m (6′ - 20′ 2″)
AS4252C	2.55 m - 7.0 m (8′ 2″ - 23′)
Max. paving depth	305 mm (12″)

Powertrain

Cat C4.4 engine	106 kW (142 hp)
Fuel capacity	189 L (50 gal)
Generator size	25 kW
Electrical system	24 volt with 75 amp alternator

Speed

Paving	61 m/min (200 fpm)
Paving w/tamper bar screed	25 m/min (82 fpm)
Travel speed	16 km/hr (10 mph)

AP555E PAVER

MOBIL-TRAC™ UNDERCARRIAGE

MACHINE OVERVIEW

The AP555E is a small to mid-sized rubber track paver with excellent tractive capability on all types of base materials. The Mobil-Trac™ undercarriage with oscillating bogie design minimizes tow-point movement in order to produce smooth mats, while delivering quick mobility and long term durability. Its size and weight enables easy transport with small and medium-sized compaction equipment.

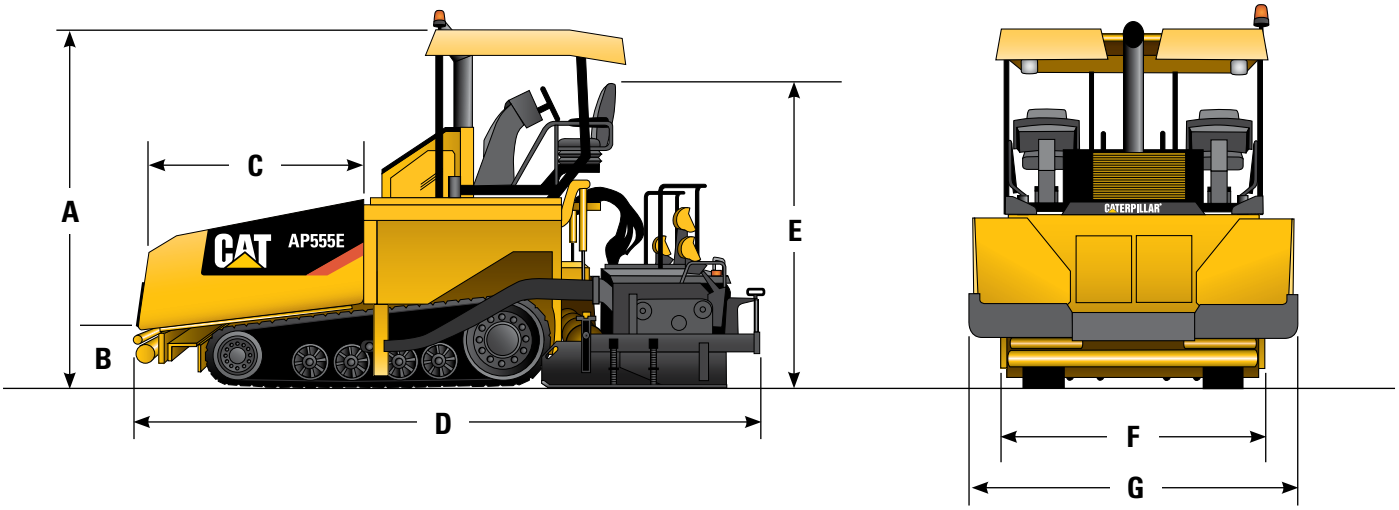
APPLICATIONS

- Base aggregates
- Highways
- Loose/soft base materials
- Parking lots
- Pathways
- Patchwork
- Roller compacted concrete (RCC)
- Rural roads
- Urban streets

HIGHLIGHTS

- 8.0 m (26' 4") maximum paving width
- Maximum throughput capacity is 1087 tonnes/h (1,198 tph)
- Cat C4.4 engine delivers 106 kW (142 hp) and meets Tier 3/Stage IIIA emission standards
- Automatic engine speed control
- Maintenance-free Mobil-Trac™ undercarriage with choice of smooth or tread bar belt design
- Advisor operating display; multiple language options, machine monitoring, job site planning
- Fumes Management System
- Dual independent operating stations
- Individual control of each auger and each conveyor
- Friction steering

SPECIFICATIONS



Dimensions

A	Operating height	3.84 m (12′ 7″)
B	Truck entry height	576 mm (23″)
C	Hopper length	1.96 m (6′ 5″)
D	Transport length w/AS2252C screed	5.46 m (17′ 11″)
	Transport length w/AS3251C screed	6.11 m (20′)
	Transport length w/AS4251C screed	5.75 m (18′ 10″)
	Transport length w/AS4252C screed	5.75 m (18′ 10″)
E	Transport height	3.10 m (10′ 2″)
F	Transport width	2.55 m (8′ 4″)
G	Tractor operating width	3.31 m (10′ 10″)

Operating Weights

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

* Weight without canopy
** Weight with canopy

Material Delivery

Maximum throughput capacity	1087 tonnes/h (1,198 tph)
Augers and conveyors	Reversible
Auger height adjustment range	216 mm (8.5″)
Auger flight diameter	406 mm (16″)
Hopper capacity w/tunnels	6.2 m^3 (219 ft^3)
Power mainframe extensions	457 mm (18″)

Screed Paving Range

AS2252C	1.88 m - 5.60 m (6′ 2″ - 18′ 5″)
AS3251C	1.83 m - 6.15 m (6′ - 20′ 2″)
AS4251C and AS4252C	2.55 m - 8.0 m (8′ 2″ - 26′ 4″)
Max. paving depth	305 mm (12″)

Powertrain

Cat C4.4 engine	106 kW (142 hp)
Fuel capacity	189 L (50 gal)
Generator size	25 kW
Electrical system	24 volt with 75 amp alternator

Speed

Paving speed	61 m/min (200 fpm)
Paving w/tamper bar screed	25 m/min (82 fpm)
Travel speed	11 km/hr (7 mph)

AP600D PAVER

WHEEL UNDERCARRIAGE

MACHINE OVERVIEW

The AP600D is a mid-sized wheel paver that excels in demanding applications as well as smaller job sites. Its size and weight offers stability on high production job sites, while its outstanding maneuverability with tight inside turning radius performs efficiently on smaller applications. It features the Advisor display, easy-to-use controls, quiet operation, and quick transport to the next starting position.

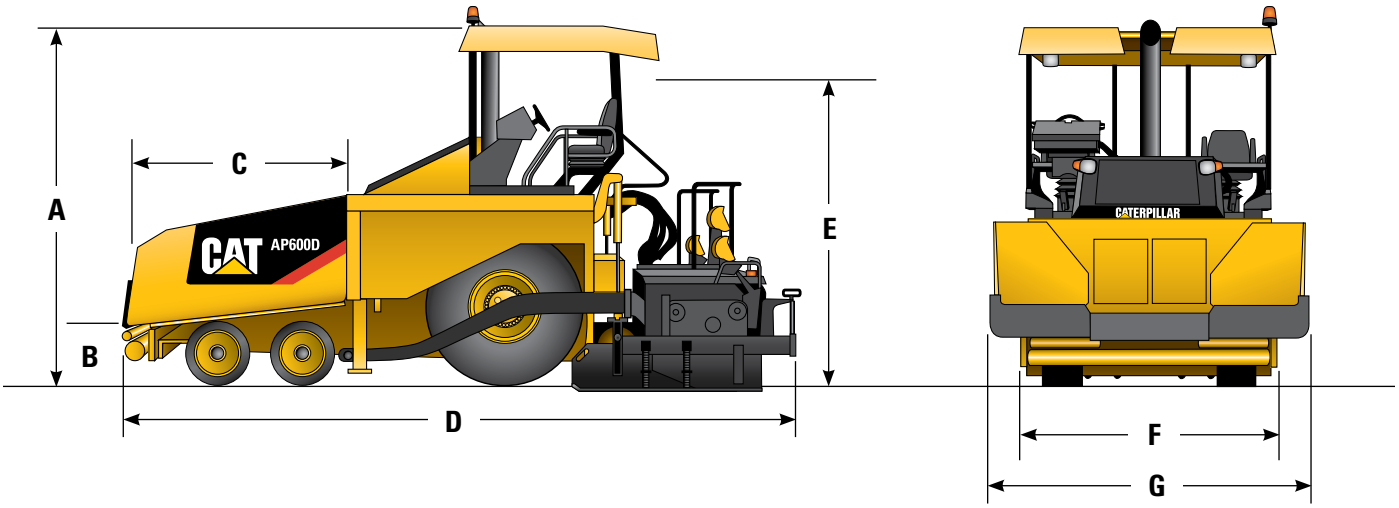
APPLICATIONS

- Airport projects
- Base aggregates
- Highways
- Industrial sites
- Motorways
- Overlays
- Parking lots
- Roller compacted concrete (RCC)
- Rural roads
- Urban Streets

HIGHLIGHTS

- 8.0 m (26' 4") maximum paving width
- Maximum throughput capacity is 1326 tonnes/h (1,462 tph)
- Cat C6.6 delivers 129 kW (174 hp) engine meets Tier 3/Stage IIIA emission standards
- Power Turning System delivers a tight inside turning radius of 1.4 m (4.5') and provides traction to push haul trucks through turns
- Front wheel assist or all-wheel drive options
- Advisor operating display; multiple language options, machine monitoring, job site planning
- Automatic engine speed control
- Fumes Management System
- Dual independent operating stations or Dual stations with single sliding console
- Individual control of each auger and each conveyor

SPECIFICATIONS



Dimensions

A	Operating height w/canopy	3.84 m (12′ 7″)
B	Truck entry height	520 mm (20″)
C	Hopper length	1.96 m (6′ 5″)
D	Transport length w/AS2252C screed	6.58 m (21′ 7″)
	Transport length w/AS3251C screed	6.80 m (22′ 4″)
	Transport length w/AS4251C screed	6.16 m (20′ 2″)
	Transport length w/AS4252C screed	6.44 m (21′ 2″)
E	Transport height	3.02 m (9′ 10″)
F	Transport width wo/end gates	2.50 m (8′ 2″)
G	Tractor operating width	3.31 m (10′ 10″)

Operating Weights

Tractor	14 197 kg (31,299 lb
Tractor with canopy	14 000 kg (30,865 lb)
with AS2252C*	16 897 kg (37,251 lb)
with AS3251C*	17 122 kg (37,747 lb)
with AS4251C**	18 200 kg (40,124 lb)
with AS4252C**	17 200 kg (37,920 lb)

* Weight without canopy
** Weight with canopy

Material Delivery

Maximum throughput capacity	1326 tonnes/h (1,462 tph)
Augers and conveyors	Reversible
Auger height adjustment range	216 mm (8.5″)
Auger flight diameter	406 mm (16″)
Hopper capacity w/tunnels	6.5 m^3 (230 ft^3)
Power mainframe extensions	457 mm (18″)

Screed Paving Range

AS2252C	1.88 m - 5.60 m (6′ 2″ - 18′ 5″)
AS3251C	1.83 m - 6.15 m (6′ - 20′ 2″)
AS4251C, AS4252C	2.55 m - 8.0 m (8′ 2″ - 26′ 4″)
Max. paving depth	305 mm (12″)

Powertrain

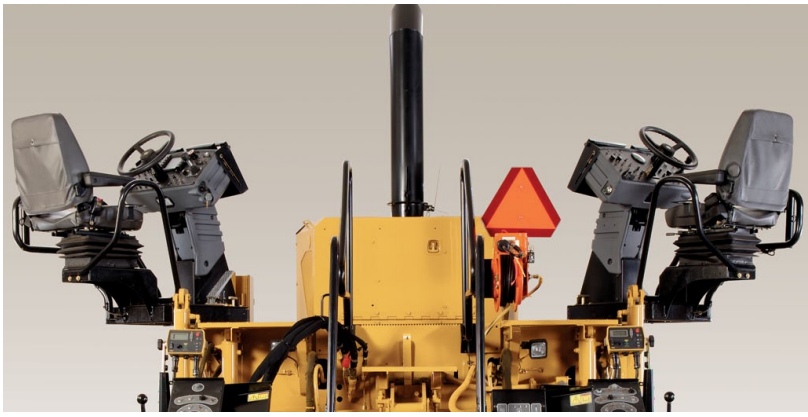
Cat C4.4 engine	129 kW (174 hp)
Fuel capacity	291 L (77 gal)
Generator size	25 kW
Electrical system	24 volt with 80 amp alternator

Speed

Paving speed	61 m/min (200 fpm)
Paving w/tamper bar screed	25 m/min (82 fpm)
Travel speed	18 km/hr (11 mph)

AP655D PAVER

STEEL TRACK OR MOBIL-TRAC UNDERCARRIAGE



MACHINE OVERVIEW

The AP655D is a mid-sized paver that is available with a steel track or Mobil-Trac undercarriage. It offers excellent flotation, unmatched traction, high production capability, easy-to-use controls, and quiet operation. Both undercarriage designs feature oscillating bogies that minimize tow point movement in order to produce smooth, high quality mats. The size and weight balance offers stability on high production job sites and maneuverability on smaller applications.

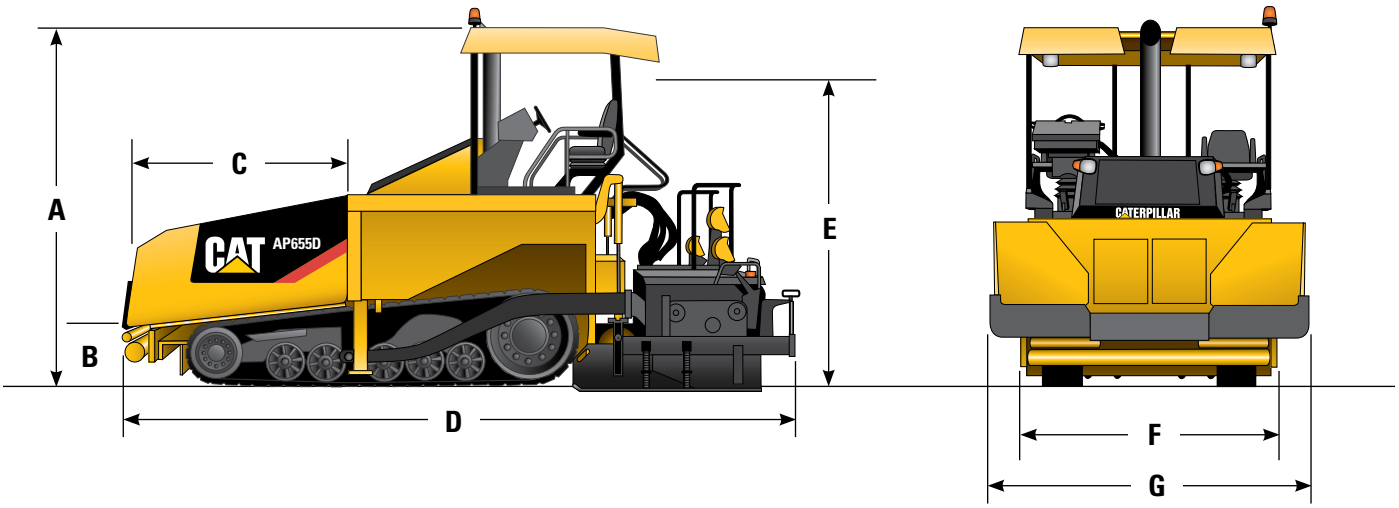
APPLICATIONS

- Airport projects
- Base aggregates
- Highways
- Motorways
- Overlays
- Parking lots
- Industrial sites
- Roller compacted concrete (RCC)
- Rural roads
- Urban streets

HIGHLIGHTS

- 8.0 m (26' 4") maximum paving width
- Maximum throughput capacity is 1326 tonnes/h (1,462 tph)
- Cat C6.6 delivers 129 kW (174 hp) engine meets Tier 3/Stage IIIA emission standards
- Automatic engine speed control
- Friction steering
- Maintenance-free Mobil-Trac undercarriage or steel track option
- Mobil-Trac undercarriage can be equipped with smooth belt or tread-bar pattern belt
- Advisor operating display; multiple language options, machine monitoring, job site planning
- Fumes Management System
- Dual independent operating stations or dual stations with single sliding console
- Individual control of each auger and each conveyor

SPECIFICATIONS



Dimensions

A	Operating height	3.84 m (12′ 7″)
B	Truck entry height	605 mm (23″)
C	Hopper length	1.96 m (6′ 5″)
D	Transport length w/AS2252C screed	6.65 m (21′ 7″)
	Transport length w/AS3251C screed	6.80 m (22′ 4″)
	Transport length w/AS4251C screed	6.16 m (20′ 2″)
	Transport length w/AS4252C screed	6.44 m (21′ 2″)
E	Transport height	2.82 m (9′ 3″)
F	Transport width wo/end gates	2.44 m (8′)
G	Tractor operating width	3.31 m (10′ 10″)

Operating Weights

Tractor	15 320 kg (33,775 lb)
Tractor with canopy	15 050 kg (33,180 lb)
with AS2252C*	18 020 kg (39,727 lb)
with AS3251C*	18 250 kg (40,234 lb)
with AS4251C**	19 165 kg (42,252 lb)
with AS4252C**	18 250 kg (40,234 lb)

* Weight without canopy
** Weight with canopy

Material Delivery

Maximum throughput capacity	1326 tonnes/h (1,462 tph)
Augers and conveyors	Reversible
Auger height adjustment range	216 mm (8.5″)
Auger flight diameter	406 mm (16″)
Hopper capacity w/tunnels	6.5 m^3 (230 ft^3)
Power mainframe extensions	457 mm (18″)

Screed Paving Range

AS2252C	1.88 m - 5.60 m (6′ 2″ - 18′ 5″)
AS3251C	1.83 m - 6.15 m (6′ - 20′ 2″)
AS4251C and AS4252C	2.55 m - 8.0 m (8′ 2″ - 26′ 4″)
Max. paving depth	305 mm (12″)

Powertrain

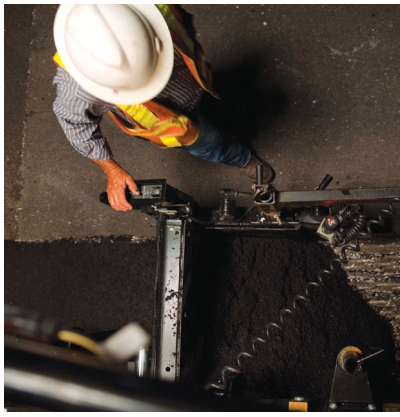
Cat C4.4 engine	129 kW (174 hp)
Fuel capacity	291 L (77 gal)
Generator size	25 kW
Electrical system	24 volt with 80 amp alternator

Speed

Paving – Mobil-Trac™ undercarriage	70 m/min (230 fpm)
Paving – Steel Track	78 m/min (255 fpm)
Paving w/tamper bar screed	25 m/min (82 fpm)
Travel – Mobil-Trac undercarriage	14.5 km/hr (9 mph)
Travel – Steel Track	8 km/hr (5 mph)

AP1000E PAVER

WHEEL UNDERCARRIAGE



MACHINE OVERVIEW

The AP1000E is a high-production wheel paver that excels in demanding applications. The wheel undercarriage delivers a tight inside turning radius for excellent mobility in tight quarters, while its high-speed transfer capability provides quick movement to the next starting position. Its size and weight make it extremely stable for pushing haul trucks and transfer vehicles, while its strength and rigidity easily accepts hopper inserts.

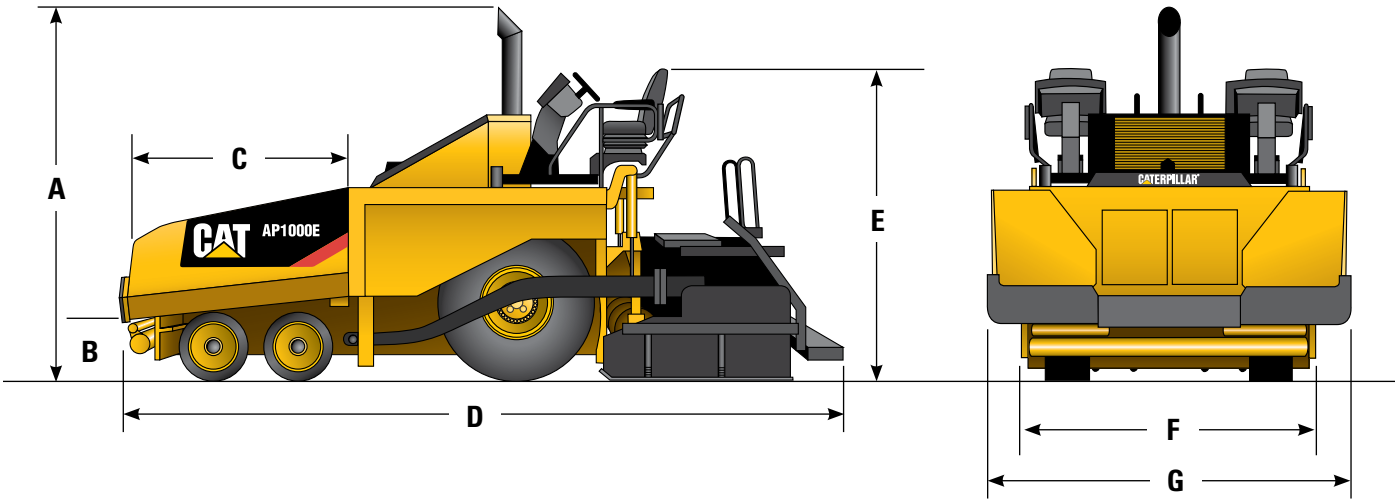
APPLICATIONS

- Airports projects
- Base aggregates
- Highways
- Interstates
- Large parking lots
- Motorways
- Overlays
- Roller compacted concrete (RCC)
- Rural roads
- Urban streets

HIGHLIGHTS

- 8.0 m (26′ 4″) maximum paving width
- Maximum throughput capacity is 1602 tonnes/h (1,766 tph)
- Cat C7.1 and C6.6 engines deliver 168 kW (225 hp) of power
- C7.1 meets Tier 4 Interim/Stage IIIB, C6.6 meets Tier 3/Stage IIIA emission standards
- Power Turning System with a tight inside turning radius of 0.5 m (1.5′) and provides traction to push haul trucks through turns
- Advisor operating display; multiple language options, machine monitoring, job site planning
- Eco-mode and automatic engine speed control
- Fumes Management System
- Dual independent operating stations
- Individual control of each auger and each conveyor
- Front wheel assist or all-wheel drive options

SPECIFICATIONS



Dimensions

A	Operating height	3.72 m (12′ 2″)
B	Truck entry height	585 mm (23″)
C	Hopper length	2.10 m (6′ 11″)
D	Transport length w/AS2302C screed	5.46 m (17′ 11″)
	Transport length w/AS3301C screed	6.61 m (21′ 7″)
	Transport length w/AS4251C screed	6.52 m (21′ 4″)
	Transport length w/AS4252C screed	6.63 m (21′ 8″)
E	Transport height	2.85 m (9′ 4″)
F	Transport width	3.24 m (10′ 8″)
G	Tractor operating width	3.60 m (11′ 10″)

Operating Weights

AP1000E (Tractor only)	15 160 kg (33,352 lb)
w/AS2302C	18 245 kg (40,139 lb)
w/AS3301C	18 427 kg (40,539 lb)
w/AS3301C w/C6.6 engine	18 621 kg (41,052 lb)
w/AS4251C	19 508 kg (43,007 lb)
w/AS4251C w/C6.6 engine	19 742 kg (43,524 lb)
w/AS4252C	18 561 kg (40,920 lb)
w/AS4252C w/C6.6 engine	18 795 kg (41,436 lb)

Material Delivery

Maximum throughput capacity	1602 tonnes/h (1,766 tph)
Augers and conveyors	Reversible
Auger height adjustment range	216 mm (8.5″)
Auger flight diameter	406 mm (16″)
Hopper capacity w/tunnels	7.1 m^3 (251 ft^3)
Power mainframe extensions	457 mm (18″)

Screed Paving Range

w/AS2302C	2.44 m - 6.70 m (8′ - 22′)
w/AS3301C	2.44 m - 7.41 m (8′ - 24′ 2″)
w/AS4251C	3.05 m - 8.00 m (10′ - 26′ 4″)
w/AS4252C	3.05 m - 8.00 m (10′ - 26′ 4″)
Max Paving Depth	305 mm (12″)

Powertrain

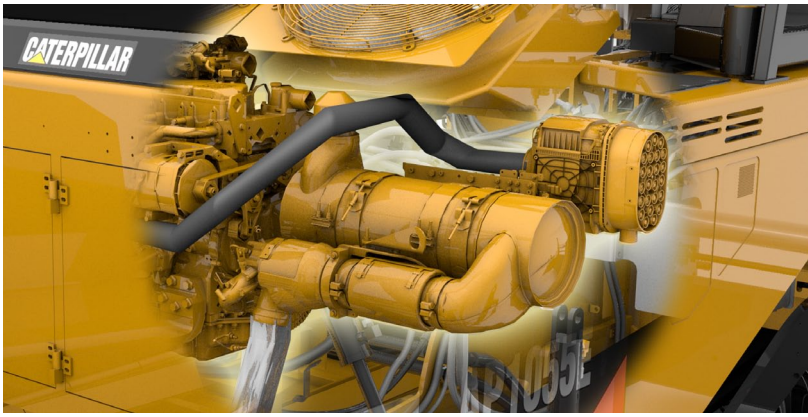
Cat C7.1 or C6.6 engine	168 kW (225 hp)
Fuel capacity	348 L (92 gal)
Generator size	25 or 35 kW
Electrical system	24 volt with 105 amp alternator

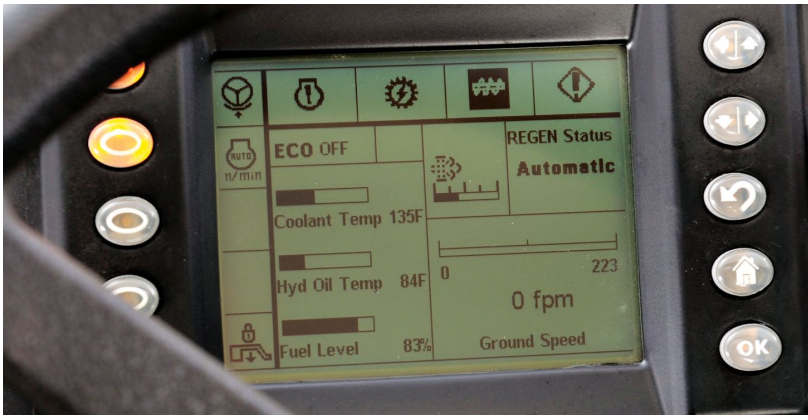
Speed

Paving speed	61 m/min (200 fpm)
Paving w/tamper bar screed	25 m/min (82 fpm)
Travel speed	20 km/hr (12 mph)

AP1055E PAVER

MOBIL-TRAC UNDERCARRIAGE





MACHINE OVERVIEW

The AP1055E is a high-production paver that features a durable Mobil-Trac undercarriage. It provides mobility and high-speed capability when moving around the job site and excellent flotation on soft base materials. Features such as eco-mode and automatic engine speed control optimize fuel efficiency while delivering high performance.

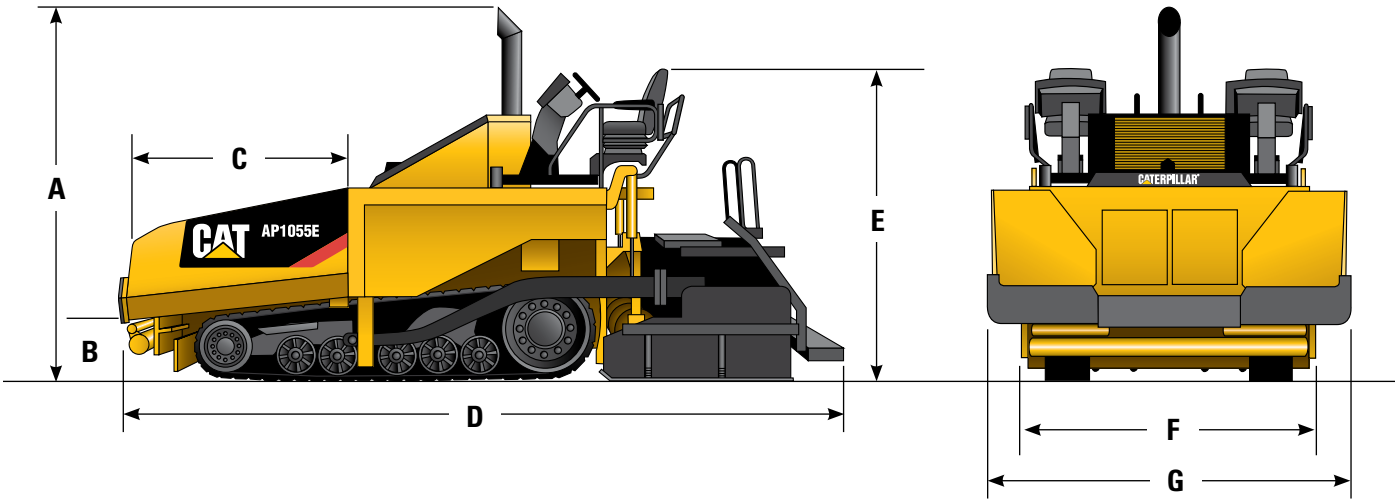
APPLICATIONS

- Airport projects
- Base aggregates
- Highways
- Interstates
- Large parking lots
- Motorways
- Overlays
- Roller compacted concrete (RCC)
- Rural roads
- Urban streets

HIGHLIGHTS

- 8.0 m (26' 4") maximum paving width
- Maximum throughput capacity is 1602 tonnes/h (1,766 tph)
- Cat C7.1 and C6.6 engines deliver 168 kW (225 hp) of power
- C7.1 meets Tier 4 Interim/Stage IIIB, C6.6 meets Tier 3/Stage IIIA emission standards
- Maintenance-free Mobil-Trac undercarriage, available with smooth or tread bar belt
- Advisor operating display; multiple language options, machine monitoring, job site planning
- Eco-mode and automatic engine speed control
- Fumes Management System
- Dual independent operating stations
- Individual control of each auger and each conveyor
- Friction steering

SPECIFICATIONS



Dimensions

A	Operating height	3.73 m (12′ 3″)
B	Truck entry height	576 mm (23″)
C	Hopper length	2.10 m (6′ 11″)
D	Transport length w/AS2302C screed	5.46 m (17′ 11″)
	Transport length w/AS3301C screed	6.11 m (21′ 7″)
	Transport length w/AS4251C screed	6.52 m (21′ 4″)
	Transport length w/AS4252C screed	6.63 m (21′ 8″)
E	Transport height	2.87 m (9′ 5″)
F	Transport width	3.24 m (10′ 8″)
G	Tractor operating width	3.60 m (11′ 10″)

Operating Weights

AP1055E (Tractor only)	16 810 kg (36,982 lb)
w/AS2302C	19 894 kg (43,767 lb)
w/AS3301C	20 076 kg (44,167 lb)
w/AS3301C w/C6.6 engine	20 310 kg (44,776 lb)
w/AS4251C	21 158 kg (46,645 lb)
w/AS4251C w/C6.6 engine	21 392 kg (47,161 lb)
w/AS4252C	20 211 kg (44,558 lb)
w/AS4252C w/C6.6 engine	20 445 kg (45,074 lb)

Material Delivery

Maximum throughput capacity	1602 tonnes/h (1,766 tph)
Augers and conveyors	Reversible
Auger height adjustment range	216 mm (8.5″)
Auger flight diameter	406 mm (16″)
Hopper capacity w/tunnels	7.1 m^3 (251 ft^3)
Power mainframe extensions	457 mm (18″)

Screed Paving Range

w/AS2302C	2.44 m - 6.70 m (8′ - 24′)
w/AS3301C	2.44 m - 7.37 m (8′ - 24′ 2″)
w/AS4251C	3.05 m - 8.00 m (10′ - 26′ 4″)
w/AS4252C	3.05 m - 8.00 m (10′ - 26′ 4″)
Max Paving Depth	305 mm (12″)

Powertrain

Cat C7.1 or C6.6 engine	168 kW (225 hp)
Fuel capacity	348 L (92 gal)
Generator size	25 or 35 kW
Electrical system	24 volt with 105 amp alternator

Speed

Paving speed	61 m/min (200 fpm)
Paving w/tamper bar screed	25 m/min (82 fpm)
Travel speed	14.5 km/hr (9 mph)

PAVER AND SCREED COMPATIBILITY CHART

	AS3143 Vibratory Screed	AS3173 Vibratory Screed	AS2252C Vibratory Screed	AS3251C Vibratory Screed	AS2302C Vibratory Screed	AS3301C Vibratory Screed	AS4251C Vibratory and Tamper Bar Screed	AS4252C Vibratory and Tamper Bar Screed
AP255E Paver	●							
AP300 Paver		●						
AP500E Paver			●	●				Requires Tamper Ready Paver
AP555E Paver			●	●			Requires Tamper Ready Paver	Requires Tamper Ready Paver
AP600D Paver			●	●			Requires Tamper Ready Paver	Requires Tamper Ready Paver
AP655D Paver			●	●			Requires Tamper Ready Paver	Requires Tamper Ready Paver
AP1000E Paver					●	●	Requires Tamper Ready Paver	Requires Tamper Ready Paver
AP1055E Paver					●	●	Requires Tamper Ready Paver	Requires Tamper Ready Paver

Note: Tamper ready pavers are equipped with additional hydraulics including, pump, valve, and hoses to support the tamper bar system.

TRACTOR OPTIONAL EQUIPMENT

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

TYPICAL MIX DESIGNS

- Aggregate Base
- Cold Mix Asphalt (CMA)
- Cement treated Base (CTB)
- Hot Mix Asphalt (HMA)
- Polymer Modified Mix
- Paver compacted concrete (PCC)
- Rubberized asphalt
- Recycled Asphalt Pavement (RAP)
- Recycled Asphalt Shingles (RAS)
- Stone Matrix Asphalt (SMA)
- Warm Mix Asphalt (WMA)

ADVANCED ELECTRIC SCREED HEAT

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

ELECTRIC HEAT FEATURES

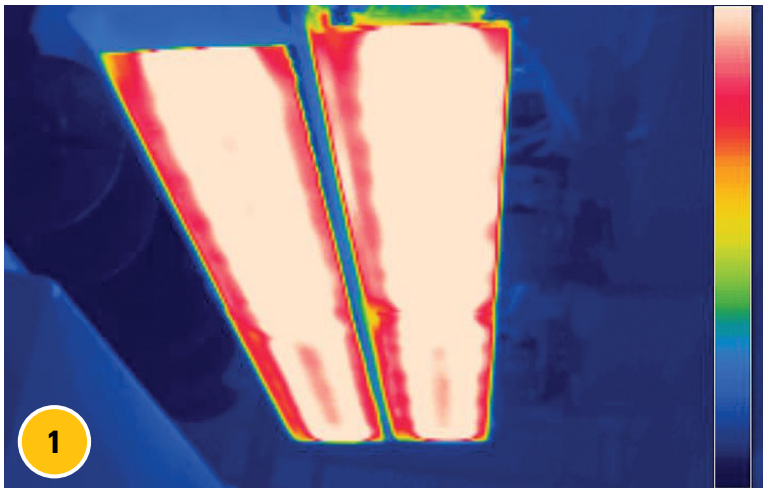
– Touch-pad technology and LED indicator lights create a user-friendly interface
– Three pre-set temperature settings for each screed section ensure even heat distribution
– Manual adjustments provide override capability
– Flattened bar type heating elements deliver reliability
– Temperature sensors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

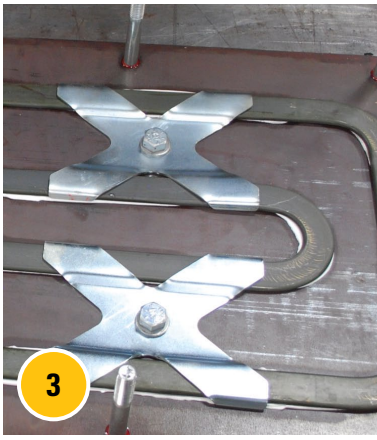
TRACTOR-MOUNTED GENERATOR

– 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
– 35 kW generator
  - Supplies 35 kW with engine speed at 1500 rpm or higher
  - Provides power to the electric screed and two auxiliary power panels
  - Utilized for large lighting packages and wide width tamper bar screed

AUXILIARY POWER

– 7 kW of available power
– Supports high intensity discharge lighting (HID), power tools
– Panel is available with two, 240-volt receptacles **or** six, 120-volt receptacles and one, 240-volt receptacle

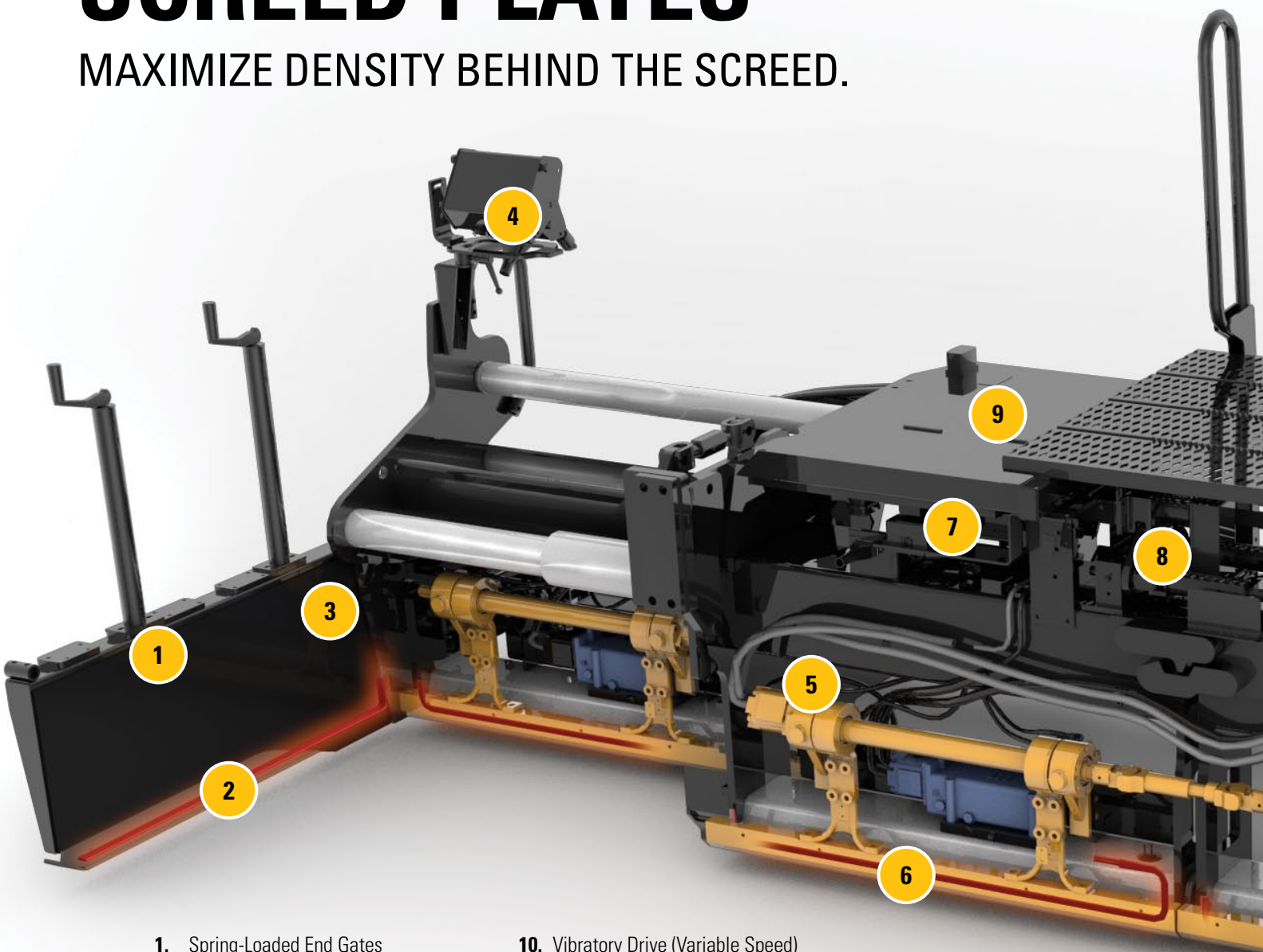




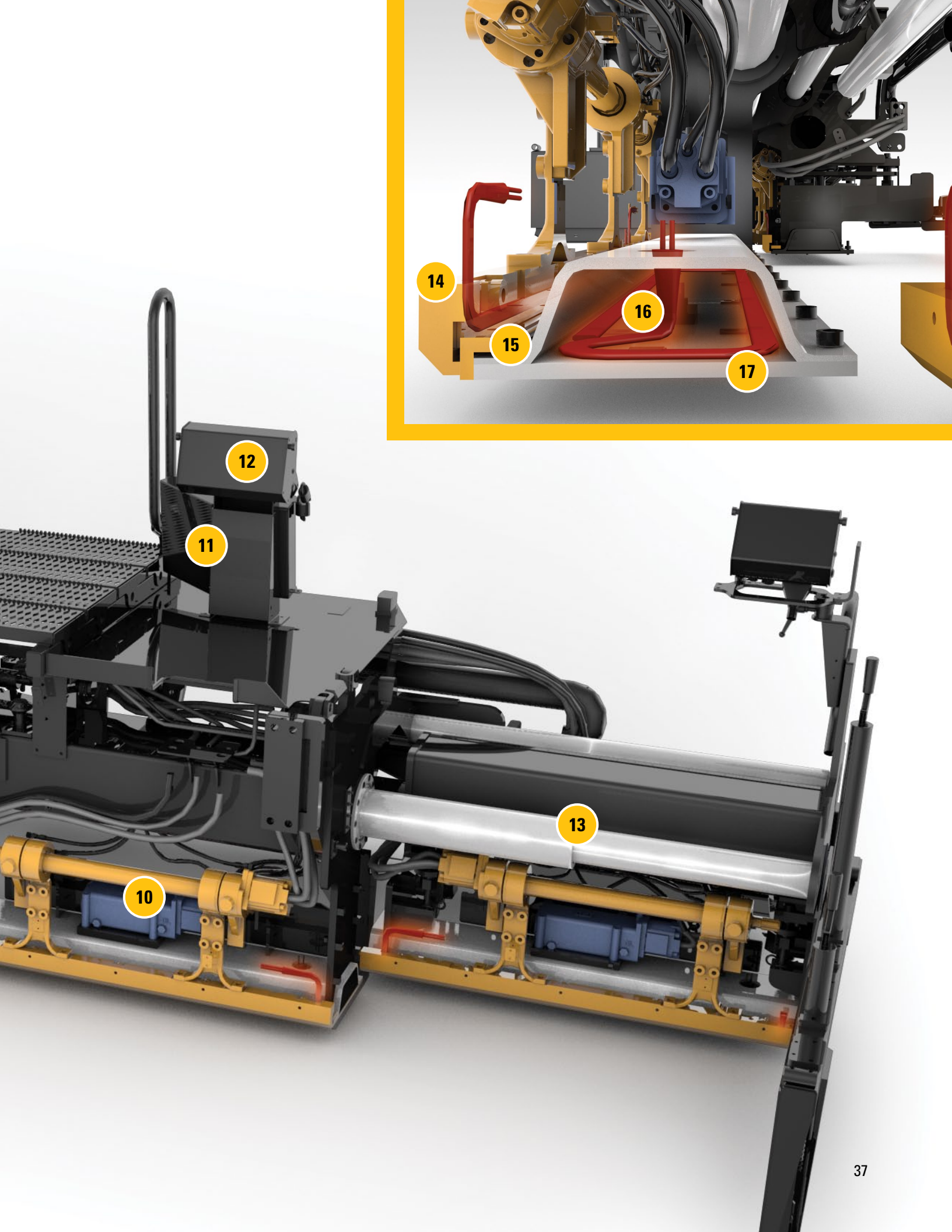
1. Even Heat Distribution
2. Electric Heat Panel
3. Heating Element
4. Generator
5. Auxiliary Panel

TAMPER BARS AND VIBRATORY SCREED PLATES

MAXIMIZE DENSITY BEHIND THE SCREED.



1. Spring-Loaded End Gates
2. Heated End Gate (optional)
3. Foldable End Gates (option)
4. Main Screed Controls
5. Tamper Bar Eccentric Drive
6. Tamper Bar Heating Element
7. CANbus Electrical System
8. Standard Power Crown
9. Color-coded Electrical Wiring
10. Vibratory Drive (Variable Speed)
11. Electric Heat Control Panel
12. LCD Operating Display
13. Double Width Extenders
14. Tamper Bar
15. Wear Plate
16. Screed Plate Heating Element
17. Single Main Screed Plate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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.

Note: Cat Pavers are able to utilize a variety of other Grade and Slope systems to support customer preferences.

GRADE AND SLOPE FEATURES

SINGLE OR DUAL DISPLAYS – EASY VISUALIZATION

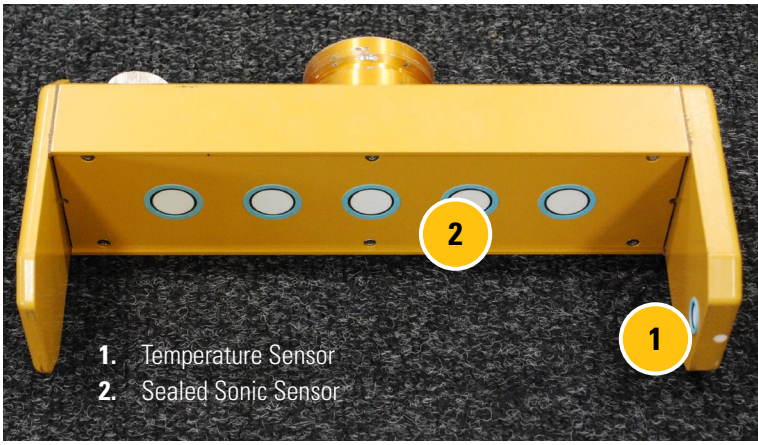
– Each LCD display is able to control one or both sides of the screed
– Text-based menus offer multiple languages
– Equipped with brightness and contrast controls for good visibility in various lighting conditions

DURABLE ENCLOSURE

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

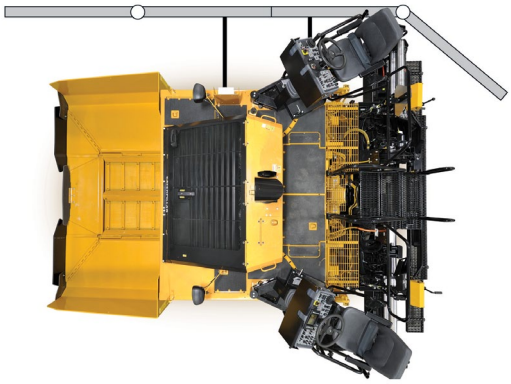
SONIC GRADE SENSORS

– 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

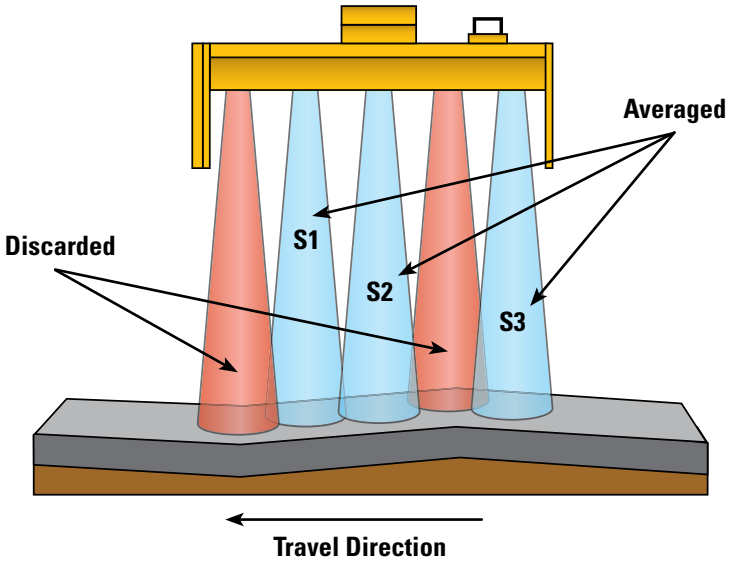


SLOPE SENSOR

– 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.



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

AS3143 SCREED

WITH VIBRATION

SCREED OVERVIEW

The AS3143 is a versatile screed with narrow paving capability. Center and side paving width attachments enable this screed to perform in a wide range of applications. The electrically heated screed plates with independent temperature control for each section ensure reliable performance.

HIGHLIGHTS

- Versatile paving range of 150 mm to 3400 mm (6" - 134")
- Side paving capability down to a width of 150 mm (6")
- Center paving capability down to 500 mm (20")
- User-friendly, electrically heated screed plates
- Independent temperature control for each section
- Mechanical extensions include electric heating elements

APPLICATIONS

- Cycle paths
- Golf courses
- Maintenance and repair
- Playgrounds
- Sidewalks
- Trenches

PAVING WIDTHS

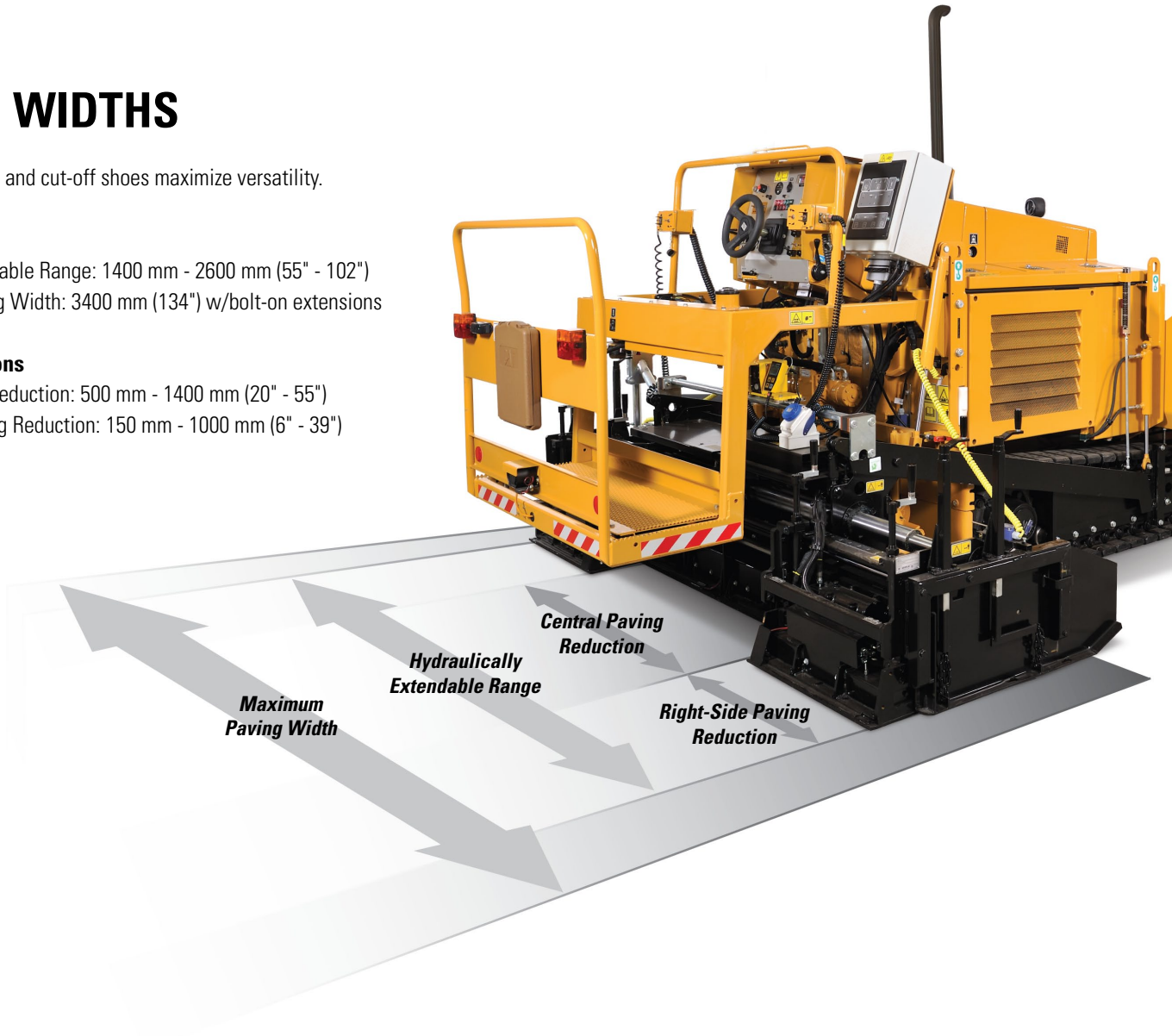
Screed extensions and cut-off shoes maximize versatility.

Paving Ranges

Standard Extendable Range: 1400 mm - 2600 mm (55" - 102")
Maximum Paving Width: 3400 mm (134") w/bolt-on extensions

Screed Reductions

Central Paving Reduction: 500 mm - 1400 mm (20" - 55")
Right Side Paving Reduction: 150 mm - 1000 mm (6" - 39")



SPECIFICATIONS

Operating Specifications	
Screed plate width	245/210 mm (9.5”/8.25”)
Standard screed width	2600 mm(8’ 6”)
Maximum paving depth	200 mm (8”)

Screed Adjustments	
Crown range	+4.5% to - 2.5%
Vibrator speed	0 - 3400 vpm

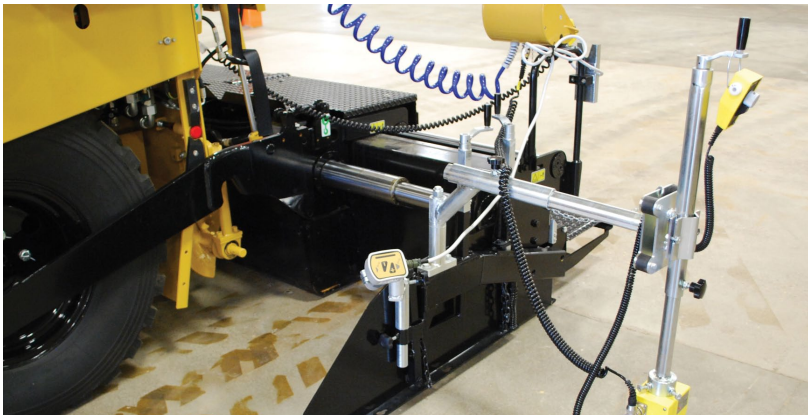
Weight	
AP255E with AS3143	4720 kg (10,406 lb)

Central Paving Attachment

Right-Side Paving Attachment

AS3173 SCREED

WITH VIBRATION



SCREED OVERVIEW

The AS3173 is a single-width, power extending screed with variable frequency vibration. It can be equipped with LPG or electrically heated screed plates; delivering a user-friendly environment and simple operation. From streets to trenches, the adjustable paving range delivers flexibility for optimal job site versatility.

HIGHLIGHTS

- Standard paving range from 1700 mm to 3200 mm (5’ 7” - 10’ 6”)
- Maximum paving width of 4000 mm (13’ 2”)
- Minimum paving width of 650 mm (26”)
- Electric or LPG heated screed plates
- Screed assist feature helps maintain constant pressure on the mix
- Screed control panels include mix delivery controls for efficient ground level access

APPLICATIONS

- Overlays
- Parking lots
- Pathways
- Rural roads
- Streets
- Trenches

PAVING WIDTHS

Screed extensions and cut-off shoes maximize versatility.

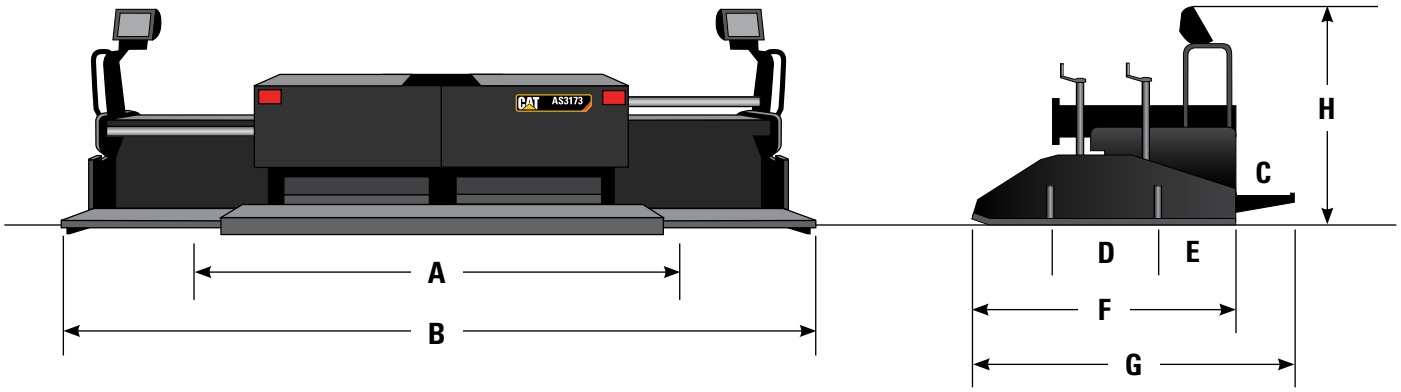
Paving Ranges

Standard Paving Range: 1.7 m - 3.2 m (5′ 7″ - 10′ 6″)
Maximum Paving Width: 4.0 m (13′ 2″) w/bolt-on extensions
Minimum Paving Width: 650 mm (26″)

Screed Extensions

Bolt-on, electrically heated extensions are available in lengths of 400 mm (16″).

SPECIFICATIONS



Dimensions

A	Width with end gates	1.73 m (5′ 9")
	Width without end gates	1.67 m (5′ 8")
B	Hydraulically extendable width	3.20 m (10′ 6")
C	Walkway width (main)	350 mm (13.75")
D	Main screed plate width (front to back)	254 mm (10")
E	Extender screed plate width (front to back)	254 mm (10")
	Screed plate thickness	12 mm (0.05″)
F	Length without end gates (front to back)	1.0 m (3′ 4")
G	Length with end gates (front to back)	1.73 m (5′ 9")
H	Height	1.4 m (4′ 7")

Screed Weight

AS3173 screed	1300 kg (2,866 lb)

Screed Specifications

Crown range	-2.5% to +4.5%
Heating system	LPG or electric
Vibration frequency	0 - 56.7 Hz (0 - 3400 vpm)

AS2252C SCREED

WITH VIBRATION

SCREED OVERVIEW

The AS2252C vibratory screed features narrow, front-mounted extenders, CANbus electrical system and electrically heated screed plates making it a perfect for applications that require aggressive width changes. This screed does not have an adjustable pre-strikeoff. Instead, the main screed pre-strikeoff is attached directly to the main screed plate. This arrangement prevents mix from being trapped in front of the the main screed when fully retracting the extenders.

HIGHLIGHTS

- Standard extendable paving range of 2.5 m - 4.4 m (8’ 2” - 14’ 5”)
- Maximum paving width of 5.6 m (18’ 5”)
- 229 mm (9”) front-mounted extenders
- Quick-reacting width changes
- Electrically heated screed plates
- Integrated sonic sensor harnesses
- Remote extender controls
- Tool boxes and shovel holders
- CANbus electrical system
- Adjustable wrist rest for main control panels
- Threaded bolt screed plate adjusters

APPLICATIONS

- Highways
- Overlays
- Parking lots
- Rural roads
- Streets
- Variable width paving

PAVING WIDTHS

Screed extensions and cut-off shoes maximize versatility.

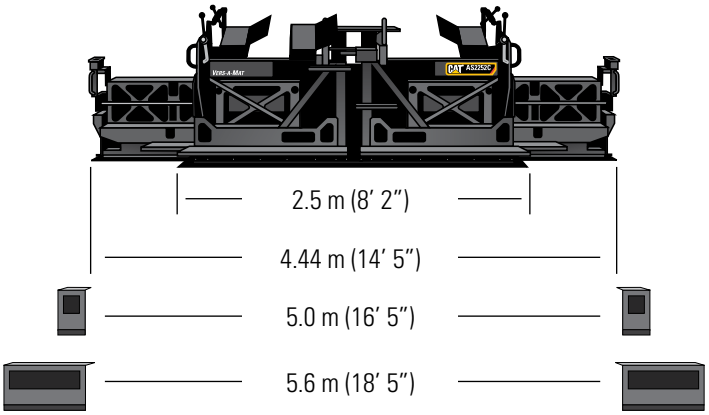
Paving Ranges

Standard Extendable Range: 2.5 m - 4.4 m (8′ 2″ - 14′ 5″)

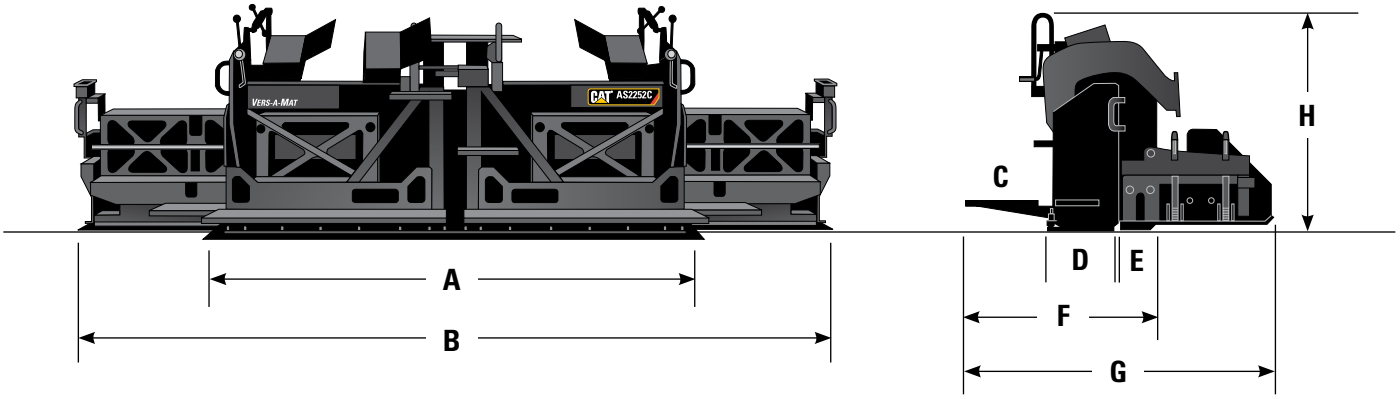
Maximum Paving Width: 5.6 m (18′ 5″) w/bolt-on extensions

Screed Extensions

Bolt-on extensions are available in lengths of 305 mm (12″) and 610 mm (24″). Screed extensions are electrically heated without vibration.



SPECIFICATIONS



Dimensions

A	Width with end gates	2.76 m (9′)
	Width without end gates	2.74 m (8′ 11″)
B	Hydraulically extendable width	4.44 m (14′ 5″)
C	Walkway width (main)	476 mm (18.75″)
D	Main screed plate width (front to back)	457 mm (18″)
E	Extender screed plate width (front to back)	229 mm (9″)
F	Length without end gates (front to back)	1.3 m (4′ 4″)
G	Length with end gates (front to back)	2.06 m (6′ 9″)
	Screed plate thickness	13 mm (0.5″)
H	Height	1.4 m (4′ 7″)

Weights

Screed	2721 kg (6,000 lb)
305 mm (12″) extension	45 kg (100 lb)
610 mm (24″) extension	84 kg (185 lb)

Screed Specifications

Crown range	+10% to -3%
Height indicator increment	6.4 mm (0.25″)
Slope (horizontal)	10% below to 3% above
Vibrator speed	0 - 3000 vpm

AS3251C SCREED

WITH VIBRATION

SCREED OVERVIEW

The AS3251C vibratory screed features rear-mounted, hydraulically driven extenders. The control panel design delivers precision for efficient operation, while heavy-duty support tubes stabilize the extenders, providing even material flow for high quality results when paving wide widths. A CANbus electrical system and electrically heated screed plates are standard equipment. The CANbus system reduces wiring requirements for better reliability and easier diagnostic capability.

HIGHLIGHTS

- Standard extendable paving range of 2.4 m - 4.7 m (8′ - 15′ 6″)
- Maximum paving width of 6.1 m (20′ 2″)
- Rear-mounted extenders with 457 mm (18″) screed plates
- Pre-strike-offs on main screed deliver smooth flow
- Triangular support tubes provide excellent rigidity
- Electrically heated screed plates
- Integrated sonic sensor harnesses minimize damage
- CANbus electrical system provides reliability
- Standard power controls for crown, height, and slope simplifies adjustment
- Threaded bolt screed plate adjusters eliminate shims

APPLICATIONS

- Highways
- Overlays
- Parking lots
- Rural roads
- Streets
- Variable width paving

PAVING WIDTHS

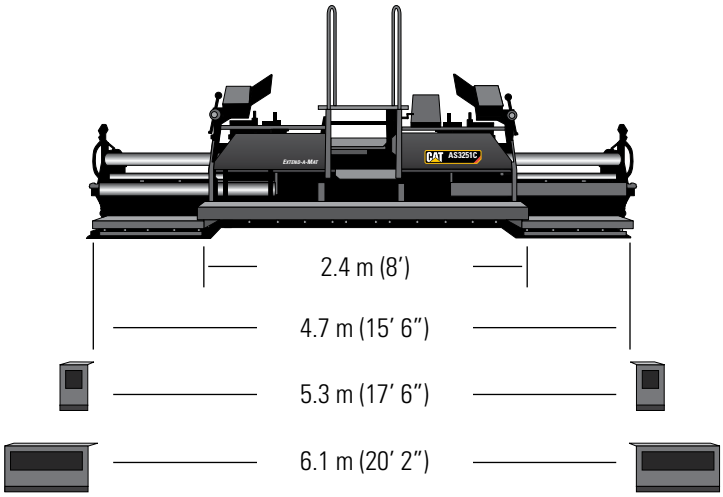
Screed extensions and cut-off shoes maximize versatility.

Paving Ranges

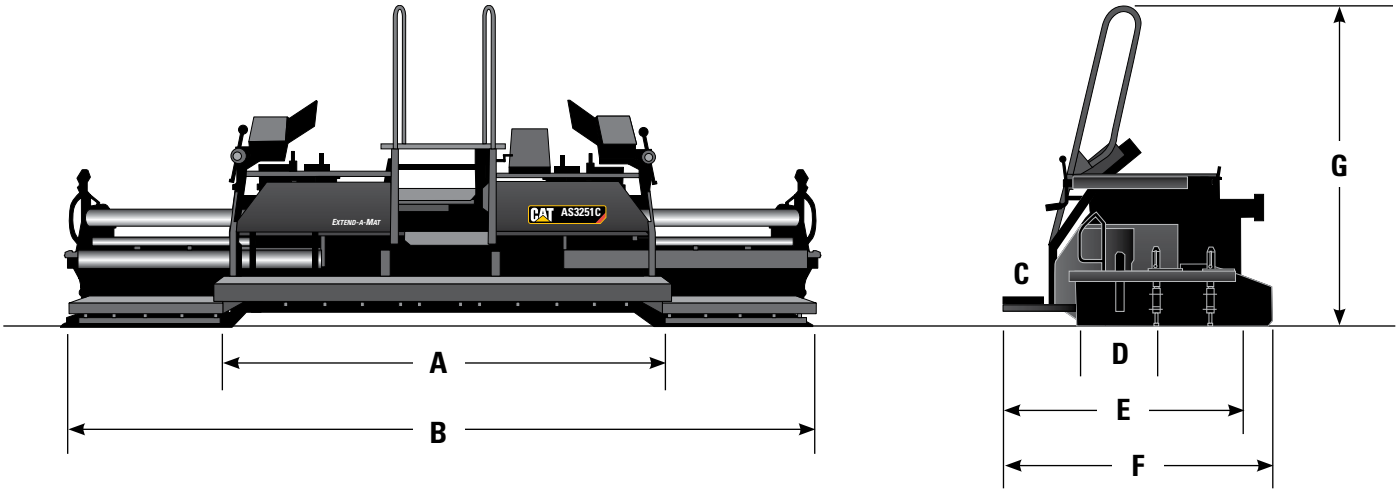
Standard Extendable Range: 2.4 m - 4.7 m (8′ - 15′ 6″)
Maximum Paving Width: 6.1 m (20′ 2″) w/bolt-on extensions

Screed Extensions

Bolt-on extensions are available in lengths of 305 mm (12″) and 711 mm (2′ 4″). Screed extensions are electrically heated with vibration.



SPECIFICATIONS



Dimensions

A	Width with end gates	2.7 m (8′ 10″)
	Width without end gates	2.46 m (8′)
B	Hydraulically extendable width	4.7 m (15′ 6″)
C	Walkway width (main)	298 mm (11.75″)
D	Main screed plate width (front to back)	457 mm (18″)
	Extender screed plate width (front to back)	457 mm (18″)
E	Length without end gates (front to rear)	1.78 m (5′ 10″)
F	Length with end gates (front to rear)	2.08 m (6′ 10″)
	Screed plate thickness	13 mm (0.5″)
G	Height	2.15 m (7′ 1″)

Weights

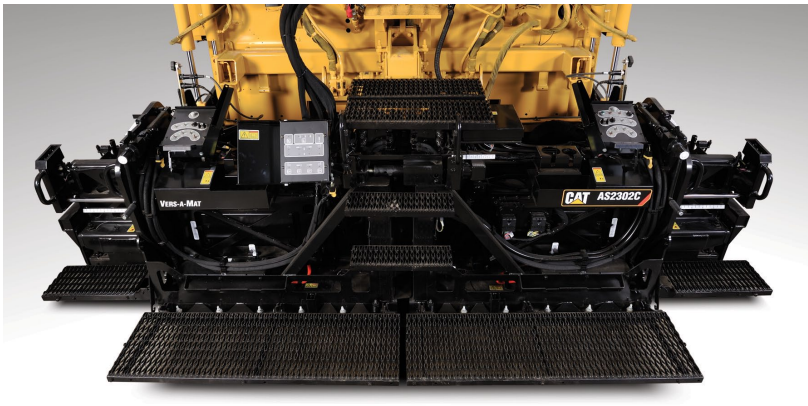
Screed	2925 kg (6,450 lb)
305 mm (12″) extension	83 kg (183 lb)
711 mm (2′ 4″) extension	132 kg (290 lb)

Screed Specifications

Crown range	+10% to -3%
Height indicator increment	6.4 mm (0.25″)
Slope (horizontal)	14% below to 2% above
Vibrator speed	0 - 3000 vpm

AS2302C SCREED

WITH VIBRATION



SCREED OVERVIEW

The AS2302C vibratory screed features front-mounted extenders, CANbus electrical system, and electrically heated screed plates, making it a perfect fit for parking areas, business developments and other applications that require variable width paving. This screed does not have an adjustable pre-strikeoff. Instead, the main screed pre-strikeoff is attached directly to the main screed plate. This arrangement prevents mix from being trapped in front of the the main screed when fully retracting the extenders.

HIGHLIGHTS

- Standard extendable paving range of 3.0 m - 5.5 m (10′ - 18′)
- Maximum paving width of 6.7 m (22′)
- 229 mm (9″) front-mounted extenders
- Quick-reacting width changes
- Electrically heated screed plates
- Standard power controls for crown, height, and slope simplifies adjustment
- Shovel holders and tool boxes
- CANbus electrical system
- Adjustable wrist rest for main screed controls
- Threaded bolt screed plate adjusters

APPLICATIONS

- Highways
- Overlays
- Parking lots
- Rural roads
- Streets
- Variable width paving

PAVING WIDTHS

Screed extensions and cut-off shoes maximize versatility.

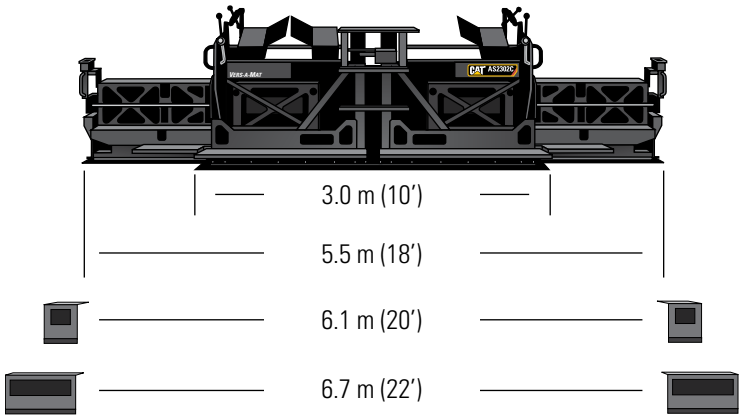
Paving Ranges

Standard Extendable Range: 3.0 m - 5.5 m (10′ - 18′)

Maximum Paving Width: 6.7 m (22′) w/bolt-on extensions

Screed Extensions

Bolt-on extensions are available in lengths of 305 mm (12″) and 711 mm (2′ 4″). Screed extensions are electrically heated with vibration.



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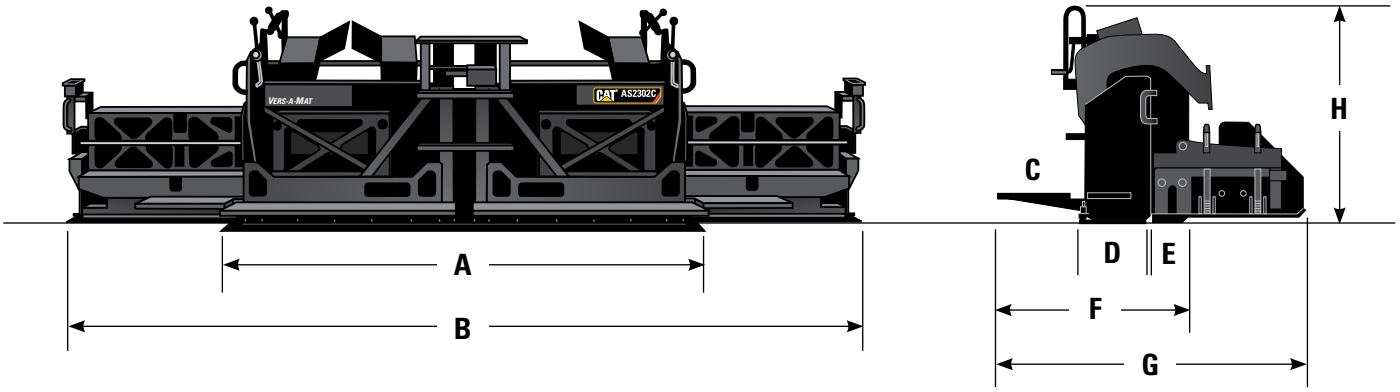


Dimensions

A	Width with end gates	3.31 m (10′ 10″)
	Width without end gates	3.29 m (10′ 9″)
B	Hydraulically extendable width	5.5 m (18′)
C	Walkway width (main)	476 mm (18.75″)
D	Main screed plate width (front to back)	457 mm (18″)
E	Extender screed plate width (front to back)	229 mm (9″)
F	Length without end gates (front to rear)	1.3 m (4′ 4″)
G	Length with end gates (front to rear)	2.06 m (6′ 9″)
	Screed plate thickness	13 mm (0.5″)
H	Height	1.4 m (4′ 7″)

Weights

Screed	3084 kg (6,800 lb)
305 mm (12″) extension	45 kg (100 lb)
610 mm (24″) extension	84 kg (185 lb)

Screed Specifications

Crown range	+10% to -3%
Height indicator increment	6.4 mm (0.25″)
Slope (horizontal)	10% below to 3% above
Vibrator speed	0 - 3000 vpm

AS3301C SCREED

WITH VIBRATION

SCREED OVERVIEW

The AS3301C vibratory screed features hydraulically driven, rear-mounted extenders. This screed excels on mainline, high-production applications and produces smooth, high quality results on all types of mix designs. The rear location of the extenders allows material to easily flow out to the end gates when increasing paving widths. Heavy-duty support tubes stabilize the extenders providing even material flow for high quality results on wide width paving sites.

APPLICATIONS

- Airport projects
- Highways
- Interstates
- Mainline applications
- Overlays
- Rural roads
- Urban streets

HIGHLIGHTS

- Standard extendable paving range of 3.05 m - 5.9 m (10'- 19' 6") paving range
- Maximum paving width of 7.4 m (24' 2")
- Rear-mounted extenders
- Stable support tubes promote wide width paving
- Electrically heated screed plates
- Tool boxes and cup holders
- Threaded bolt screed plate adjusters
- Integrated wire harnesses optimize routing to the sonic sensors on the extenders
- CANbus electrical system simplifies wiring and increases reliability

PAVING WIDTHS

Screed extensions and cut-off shoes maximize versatility.

Paving Ranges

Standard Extendable Range: 3.0 m - 5.9 m (10′ - 19′ 6″)

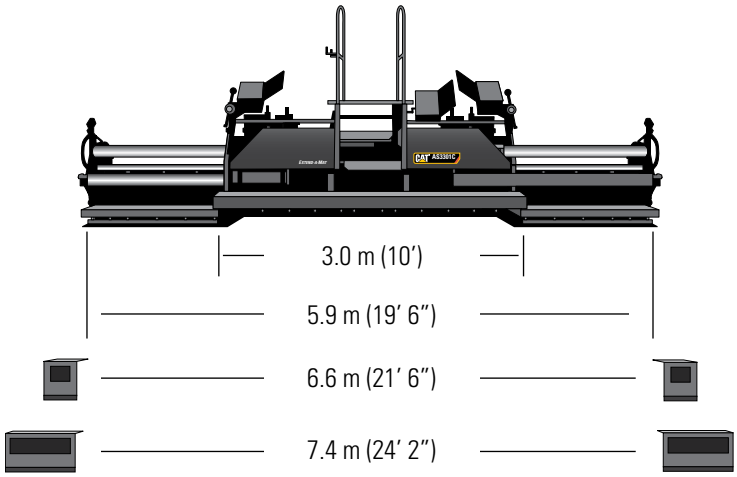
Maximum Paving Width: 7.4 m (24′ 2″) w/bolt-on extensions

Screed Extensions

Bolt-on extensions are available in lengths of 305 mm (12″) and 711 mm (2′ 4″).

– 305 mm (1′) extensions are electrically heated

– 711 mm (2′ 4″) extensions are electrically heated with vibration



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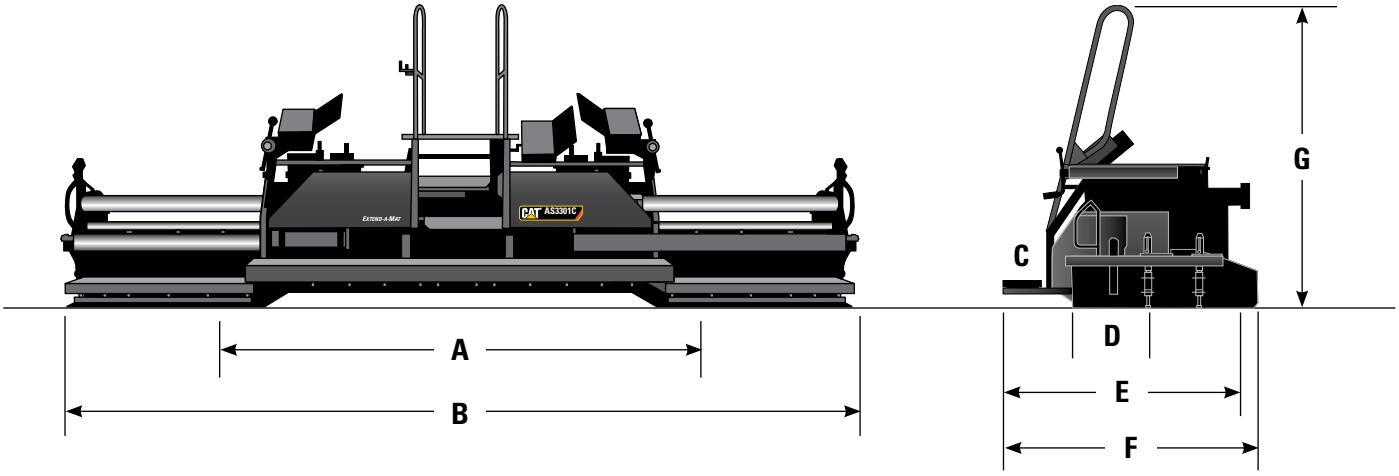


Dimensions

A	Width with end gates	2.7 m (8′ 10″)
	Width without end gates	2.46 m (8′)
B	Hydraulically extendable width	5.9 m (19′ 6″)
C	Walkway width (main)	298 mm (11.75″)
D	Main screed plate width (front to back)	457 mm (18″)
	Extender screed plate width (front to back)	457 mm (18″)
	Screed plate thickness	13 mm (0.5″)
E	Length with end gates (front to rear)	2.08 m (6′ 10″)
F	Length without end gates (front to rear)	1.78 m (5′ 10″)
G	Height	2.15 m (7′ 1″)

Weights

Screed	3266 kg (7,200 lb)
305 mm (12″) extension	83 kg (183 lb)
711 mm (2′ 4″) extension	132 kg (290 lb)

Screed Specifications

Crown range	+10% to -3%
Height indicator increment	6.4 mm (0.25″)
Slope (horizontal)	14% below to 2% above
Vibrator speed	0 - 3000 vpm

AS4251C SCREED

WITH TAMPER BARS AND VIBRATION

SCREED OVERVIEW

The AS4251C tamper bar screed with vibration features two, double-width hydraulically driven extenders for excellent stability on wide width paving applications. The rigid design and stable extenders easily handle widths up to 8 m (26′ 4″). The screed plate heating system is available with electric heat or LPG, while analog controls offer easy adjustment for tamper speed, vibratory speed and counter-balance pressure.

APPLICATIONS

- Airport projects
- Highways
- Interstates
- Mainline
- Overlays
- Roller compacted concrete (RCC)
- Rural roads
- Urban streets

HIGHLIGHTS

- Standard extendable paving range of 2.55 m - 5 m (8′ 4″- 16′ 4″)
- Maximum paving width of 8 m (26′ 4″)
- Balanced weight of 3730 kg (8,223 lb)
- Analog control (potentiometer) for tamper speed, vibratory speed, and counter-balance pressure
- Two, double-width hydraulic power supports on each extender
- 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
- Electric or LPG heated screed plates
- Foldable end gates (option) reduce transport width
- Power crown control (optional)

PAVING WIDTHS

Screed extensions and cut-off shoes maximize versatility.

Paving Ranges

Standard Extendable Range: 2.55 m - 5 m (8′ 4″- 16′ 4″)

Maximum Paving Width: 8 m (26′ 4″) w/bolt-on extensions

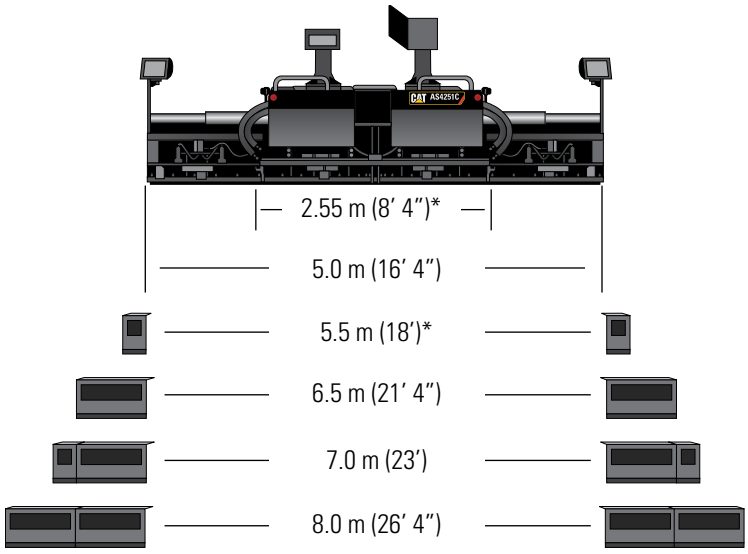
* Standard paving range with AP1000E/AP1055E is 3.05 m (10′) to 8.0 m (26′ 4″)

Screed Extensions

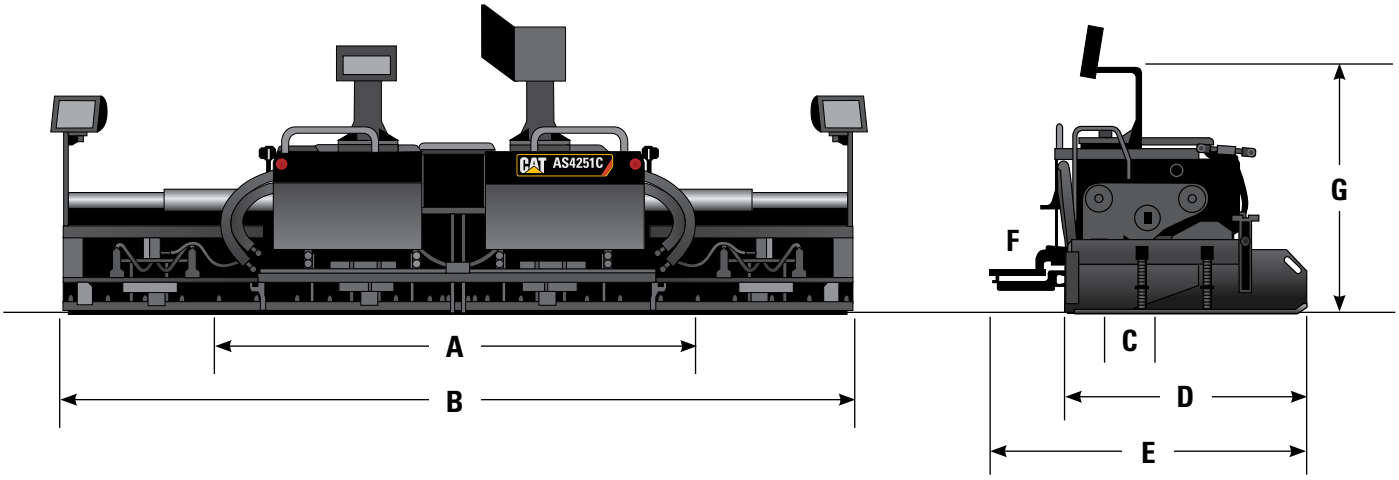
Bolt-on extensions are available in lengths of 0.25 m (10″) and 0.75 m (30″). Quick-connect hydraulic couplings simplify attachment.

– 0.25 m (10″) extensions are electrically heated with tamper bars

– 0.75 m (30″) extensions are electrically heated with tamper bars and vibrationvibration



SPECIFICATIONS



Dimensions

A	Width without end gates (retracted)	2550 mm (100″)
	Width with end gates (retracted)	2730 mm (107″)
B	Hydraulically extendable width	5.0 m (16′ 4″)
C	Main screed plate width	400 mm (15″)
	Extender screed plate width	400.mm (15″)
	Screed plate thickness	15 mm (0.60″)
D	Length without end gates (front to back)	1523 mm (60″)
E	Length with end gates (front to back)	2267 mm (89″)
F	Walkway width	330 mm (13″)
G	Height	1935 mm (76″)

Weights

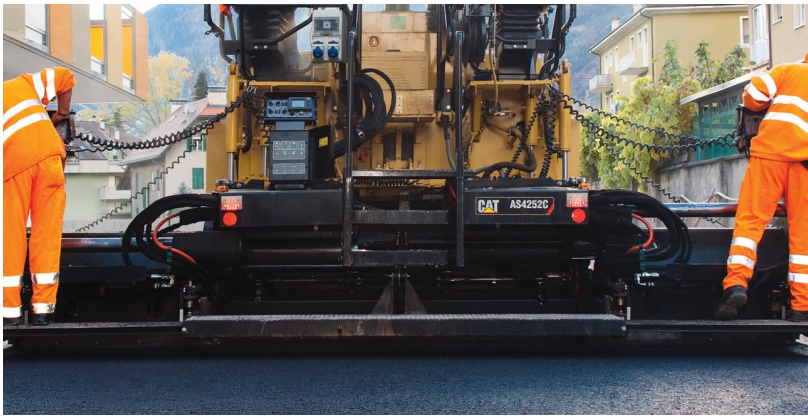
Screed	3730 kg (8,223 lb)
254 mm (10″) extension	70 kg (154 lb)
762 mm (30″) extension	300 kg (661 lb)

Screed Specifications

Crown range	+3% to -1.5%
Extender height adjustment	±20 mm (±0.75)
Vibrator speed	0 - 3000 vpm
Tamper bar speed	0 - 1700 rpm

AS4252C SCREED

WITH TAMPER BARS AND VIBRATION



SCREED OVERVIEW

The AS4252C tamper bar screed with vibration features, double-width extenders for excellent stability on wide width paving applications. The rigid design delivers stability and easily handles widths up to 8 m (26′ 4″). An LCD display offers easy adjustment for tamper speed, vibratory speed and counter-balance pressure. Independent temperature control of each screed section includes an individual sensor, circuit and display reading that ensures reliable hands-free performance in demanding conditions.

APPLICATIONS

- Airport projects
- Highways
- Interstates
- Mainline
- Overlays
- Roller compacted concrete (RCC)
- Rural roads
- Urban streets

HIGHLIGHTS

- Standard extendable paving range of 2.55 m - 5 m (8′ 4″- 16′ 4″)
- Maximum paving width of 8 m (26′ 4″)
- Balanced weight of 3200 kg (7,055 lb)
- Screed Advisor display includes screed plate temperature, tamper bar speed, vibratory speed, counter-balance pressure
- Single, double-width hydraulic power support tube on each extender
- Tamper bar system delivers an adjustable range up to 1700 rpm with a stroke of 4 mm (0.16″)
- Vibratory screed plate range up to 3,000 vpm
- Electrically heated screed plates and tamper bar deliver uniform heat distribution
- Independent temperature control of each screed section including extenders
- Heated end gates (option) prevent mix buildup
- Foldable end gates (option) reduce transport width

PAVING WIDTHS

Screed extensions and cut-off shoes maximize versatility.

Paving Ranges

Standard Extendable Range: 2.55 m - 5.0 m (8′ - 16′ 4″)

Maximum Paving Width: 8.00 m (26′ 4″) w/bolt-on extensions

* Standard paving range with AP1000E/AP1055E is 3.05 m (10′) to 5.5 m (18′)

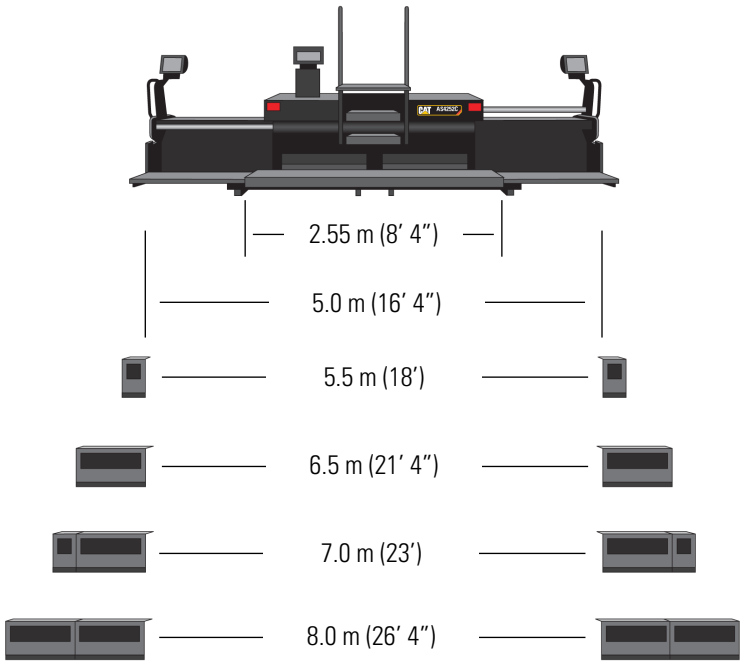
** Maximum paving width utilizing the AP500E is 7.0 m (23′)

Screed Extensions

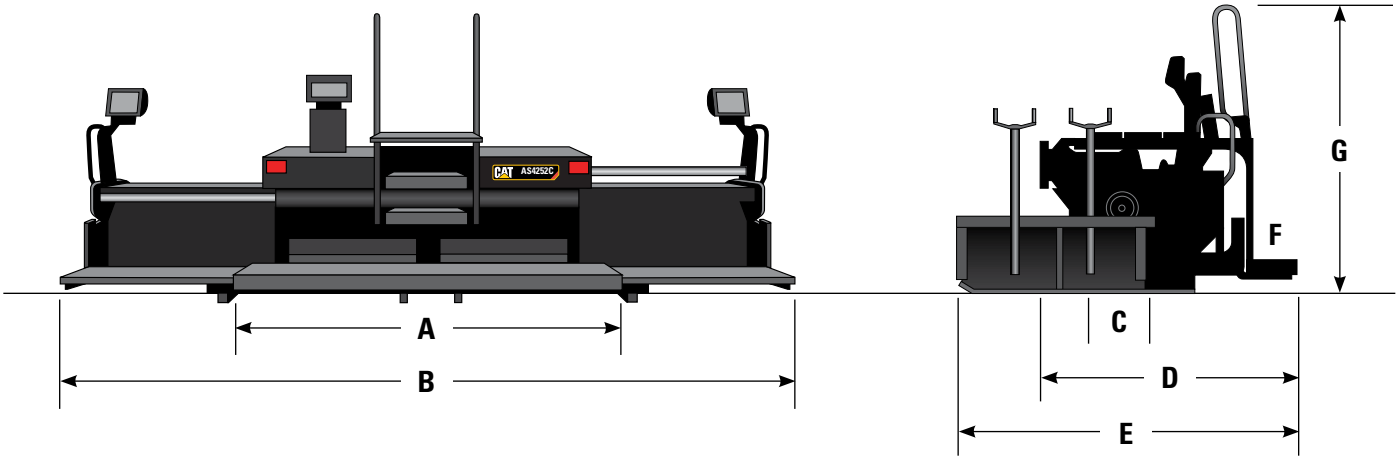
Bolt-on extensions are available in lengths of 0.25 m (10″) and 0.75 m (30″). Quick-connect hydraulic couplings simplify attachment.

– 0.25 m (10″) extensions are electrically heated with tamper bars

– 0.75 m (30″) extensions are electrically heated with tamper bars and vibrationbars and vibrationvibration



SPECIFICATIONS



Dimensions

A	Width without end gates (retracted)	2550 mm (100″)
	Width with end gates (retracted)	2730 mm (107″)
B	Hydraulically extendable width	5.0 m (16′ 4″)
C	Main screed plate width	330 mm (13″)
	Extender screed plate width	330.mm (13″)
	Screed plate thickness	13 mm (0.51″)
D	Length without end gates (front to back)	1750 mm (69″)
E	Length with end gates (front to back)	2300 mm (91″)
F	Walkway width	330 mm (13″)
G	Height	1935 mm (76″)

Weights

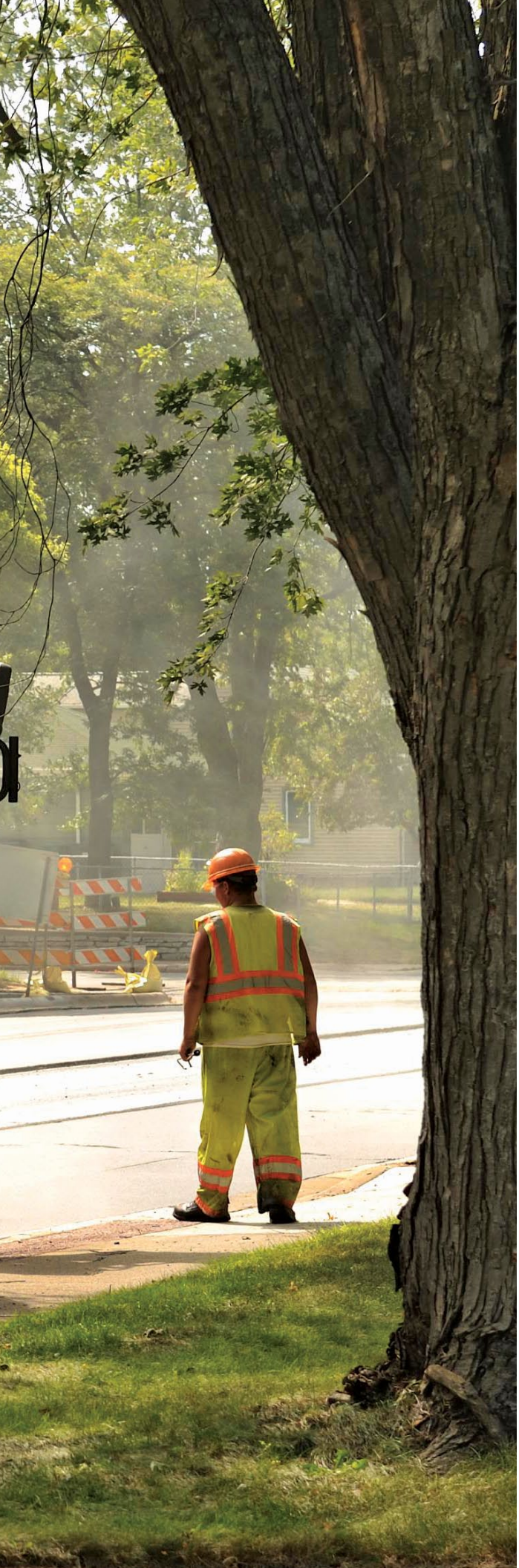
Screed	3200 kg (7,055 lb)
254 mm (10″) extension	70 kg (154 lb)
762 mm (30″) extension	300 kg (661 lb)

Screed Specifications

Crown range	+5% to -3%
Height indicator increment	6.4 mm (0.25″)
Slope (horizontal)	4% below to 4% above
Vibrator speed	0 - 3000 vpm
Tamper bar speed	0 - 1700 rpm

SUSTAINABILITY

PROVIDING SOLUTIONS THAT FUTURE GENERATIONS CAN BUILD UPON.



LOWER ENGINE EMISSIONS

– Cat engines meet market requirements for emissions standards
– Utilization of low sulfur fuels and oil limits green-house gas emissions
– Automatic engine speed control and Eco-mode (AP1000E and AP1055E) reduce engine speed leading to fuel conservation, lower emissions and lower sound levels
– Engine after-treatment system reduces emissions

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 life longer

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

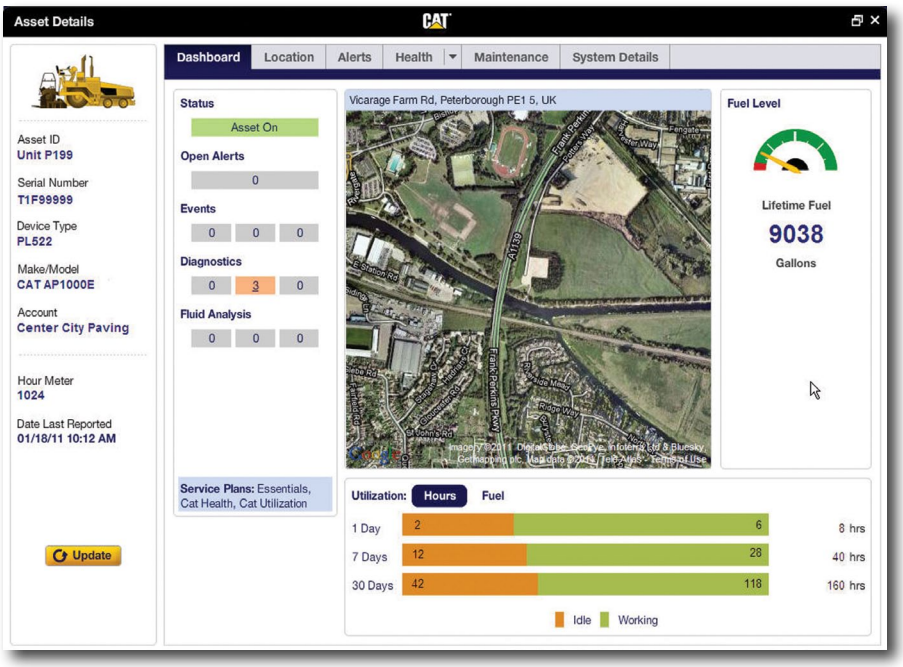
LONG LIFE COMPONENTS AND FASTER SERVICE

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

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.

CUSTOMER SUPPORT

TOTAL CUSTOMER SUPPORT OFFERED BY ONE COMPANY.

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

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!

Having a goal like being the paving industry sales leader is no small challenge, even for the worldwide leader in the manufacture of equipment for the construction industry.

But ever since we sold our first paving equipment in 1986, we have continued to grow. Over the years, our machines have been recognized as dependable and rugged, easy to use and highly productive.

We have introduced innovations that have changed the way the world builds roads, features that our competitors now offer on their machines.

And with each new generation of machines we introduce, more and more customers around the world make the decision to switch to Cat®.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

PAVING ALL DAY. EVERY DAY.

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