

AP255E

Paver



Cat® C2.2 Engine

| | | |
|-------------|---------|---------------------|
| Gross Power | 34.1 kW | 46 hp (m) 45 hp (l) |
|-------------|---------|---------------------|

Operating Weight

| | | |
|-----------------|---------|----------|
| w/AS3143 Screed | 4500 kg | 9,921 lb |
|-----------------|---------|----------|

Paving Widths

| | | |
|---------------------------|-------------------|---------------|
| Standard Extendable Range | 1400 mm - 2600 mm | 4' 7" - 8' 6" |
| Maximum w/Extensions | 3400 mm | 11' 1" |
| Central Paving Range | 500 mm - 1400 mm | 20" - 55" |
| Right Side Paving Range | 150 mm - 1000 mm | 6" - 39" |

WIDE PAVING RANGE IN A COMPACT PACKAGE

One look at the AP255E Asphalt Paver reveals that it is a compact machine. Operators are reminded of that as they maneuver around the twists and turns of cart paths, walkways and bicycle trails.

What the crews also quickly discover is the wide paving range of the AP255E. Extensions can increase paving width to 3400 mm (11' 1"), creating a combination of maneuverability and production.

That combination makes the AP255E a great fit for applications such as parking lots, urban streets—and the golf and cycle paths. The central and right side reduction attachments, meanwhile, further expand paving capability, making quick work of trenches, sidewalks and narrow shoulders.

A comfortable operating environment with all paver and screed functions easily accessible to a single operator ensures efficient performance, while electrically heated screed plates enable quick start-up when moving to the next starting position.

The AP255E will arrive at that next position in a hurry. Its compact nature also makes for easy on- and off-loading and cost-efficient transport.

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FEATURES

HIGHLY MOBILE, RELIABLE AND DURABLE.

COMPACT AND VERSATILE

- Powerful Cat® C2.2 Stage IIIB (Tier 4 Interim) emission-compliant engine delivers 34.1 kW [46 hp (m) 45 hp (l)] of clean power
- High ground clearance; easily overcomes manhole covers for work in parking lots as-well-as residential streets
- High performance in compact locations: sidewalks, cycle paths, golf courses, playgrounds, trenches
- Paving width reduction attachment and side paving capability optimize production on small jobsites

ELECTRIC SCREED HEAT

- Electrically heated screed plates
- Operator friendly
- Fast heating
- Independent control/heating of each screed section
- On-board belt-driven generator supplies 12 kW @ 240 V
- Auxiliary power panel delivers 1.5 kW @ 240 V

PRECISE MATERIAL CONTROL

- Advanced system with independent auger control
- Three automatic material feed sensors provide precise control
- Adjustable auger height delivers consistent head of material to the screed and simplifies loading/unloading for transport
- Reversible augers and conveyor minimize spillage at the end of each pass
- Independent hopper wing control enables paving close to obstacles



FLEXIBLE PAVING WIDTHS

- Hydraulically extendible from 1.4 m to 2.6 m (55" to 102")
- With mechanical bolt-on extensions, extendible from 2.6 m to 3.4 m (102" to 134")
- Hydraulically extendible paving reduction attachment enables paving widths of 500 mm to 1400 mm (20" to 55")
- Hydraulically extendible side paving capability on right side enables paving widths of 150 mm to 1000 mm (6" to 39")
- Crown adjustment of +4.5% to -2.5%
- Screed plate vibratory frequency of 3400 rpm (56.7 Hz)

OPERATOR COMFORT AND SAFETY

- Comprehensive console enables a single operator to have complete control of screed and tractor
- Automotive-type steering wheel simplifies use
- Operator platform is equipped with an operator presence switch that enables machine functions





SMOOTH DELIVERY

CONTINUOUS FLOW LEADS TO BETTER MAT QUALITY.

AUTOMATED DELIVERY

- 73 metric tph (80 tph) throughput capacity
- Three material feed sensors, one mounted over the conveyor and one at each extender ensures precise delivery
- Independent auger control delivers mix where and when needed
- Reversible conveyor and augers minimize spillage at the end of the paving pass

SMOOTH FLOW

- Wide hopper width of 3050 mm (10') enables smooth truck delivery
- Independent hopper wing control simplifies operation next to buildings and other obstructions
- Truck discharge height of 525 mm (21") and rigid push-roller easily accept trucks



CAT® C2.2 ENGINE

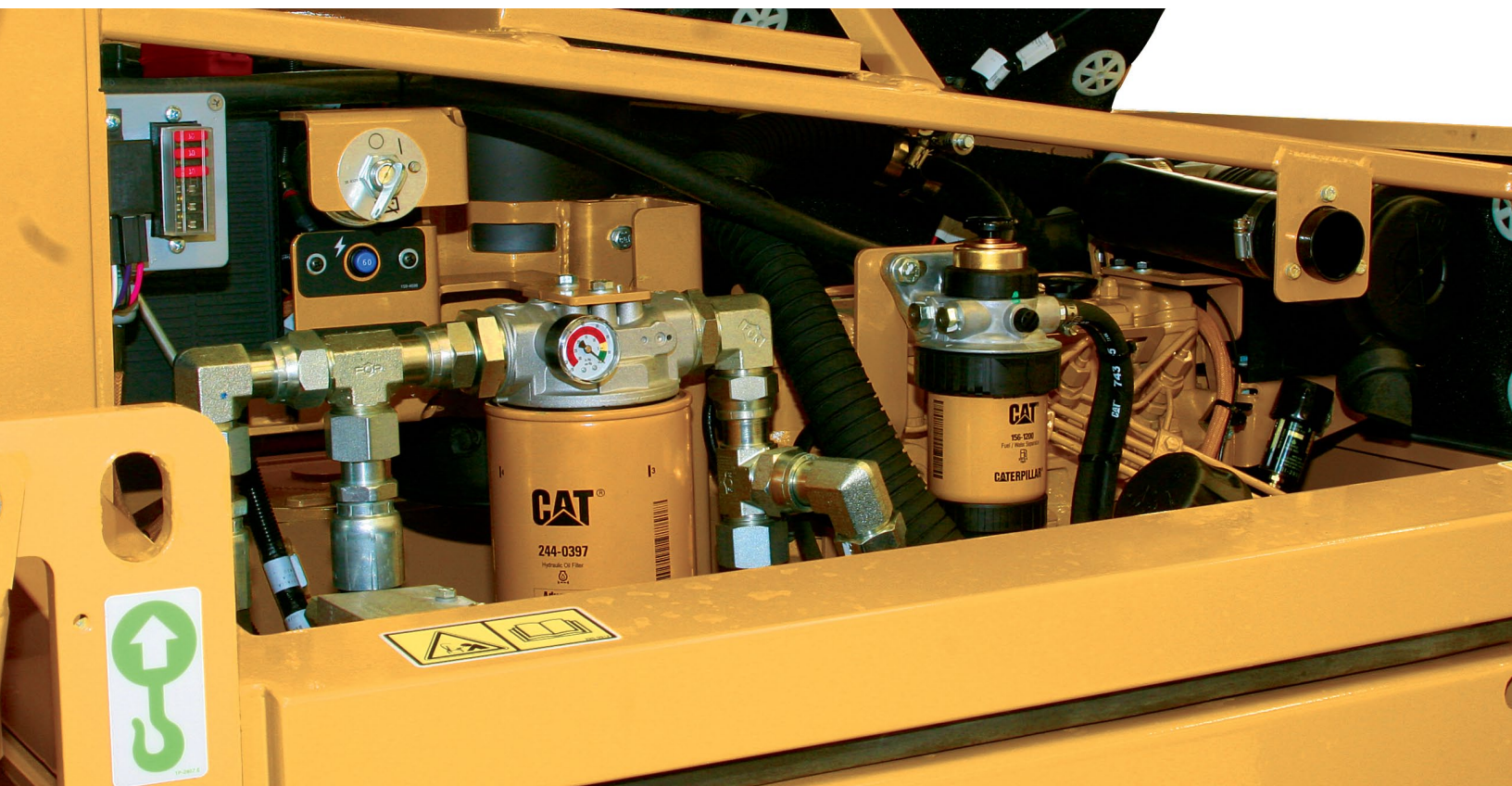
RELIABLE, QUIET, POWERFUL.

C2.2 FEATURES

- Meets U.S. EPA Tier 4 Interim and EU Stage IIIB emission standards
- Provides 34.1 kW [46 hp (m) 45 hp (l)] of power
- Large capacity cooling system keeps engine operating efficiently
- Proven core engine design ensures reliability and quiet operation
- Fuel efficiency optimized to match paver's operating cycles

ENGINE COMPARTMENT

- Single-side servicing improves ease of maintenance
- Easily accessible service components include:
 - Air cleaner
 - Fuel filter w/water separator and priming pump
 - Engine oil filter and level check
 - Battery
- Automotive-type fuses, simple replacement
- Standard service intervals of 500 hours





OPERATE WITH CONFIDENCE.

The automotive-type steering system enables gradual, precise steering and a tight turning radius.

OPERATING ENVIRONMENT

- Paver and screed controls easily accessible to a single operator
- Large platform enables easy side-to-side movement for good visibility that enables smooth truck exchanges and steady material flow
- Platform is equipped with a detection switch that enables machine functions when an operator is present
- Electric screed heat promotes cleaner working conditions for the operator and crew
- Large capacity cooling system directs warm air away from the operating platform for a comfortable operating environment



INTUITIVE CONSOLES

- Comprehensive console panel enables a single operator to monitor all essential functions
- User-friendly screed heating control unit positioned beside the control console for easy operator access
- Screed heating control units feature self-diagnostics
- Grouped toggle switches ensure efficiency and performance
- Grade and slope control available

A single operator controls all paver and screed functions, making the machine's simplified driving and responsive controls essential.



STEEL TRACK UNDERCARRIAGE

EXCELLENT TRACTION AND DURABILITY.

The steel track undercarriage offers smooth travel and excellent flotation for easy movement around the jobsite, while durable track pads deliver long-term performance.

MOBILITY AND STABILITY

- Two independent hydrostatic systems feature 2-speed hydraulic motor
- Long track base offers low ground contact pressure for good flotation on soft base materials
- Tracked undercarriage with heavy-duty, rubber-bonded pads provides excellent stability and traction
- Unique shock absorbing system ensures track tension

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

- Ground Fault Circuit Interrupter (GFCI) circuit breaker protection
- Fast heat-up
- Manual breaker reset
- 12 kW generator
 - Supplies 12 kW @ 240 VAC
 - Provides power to the electric screed and auxiliary power panel

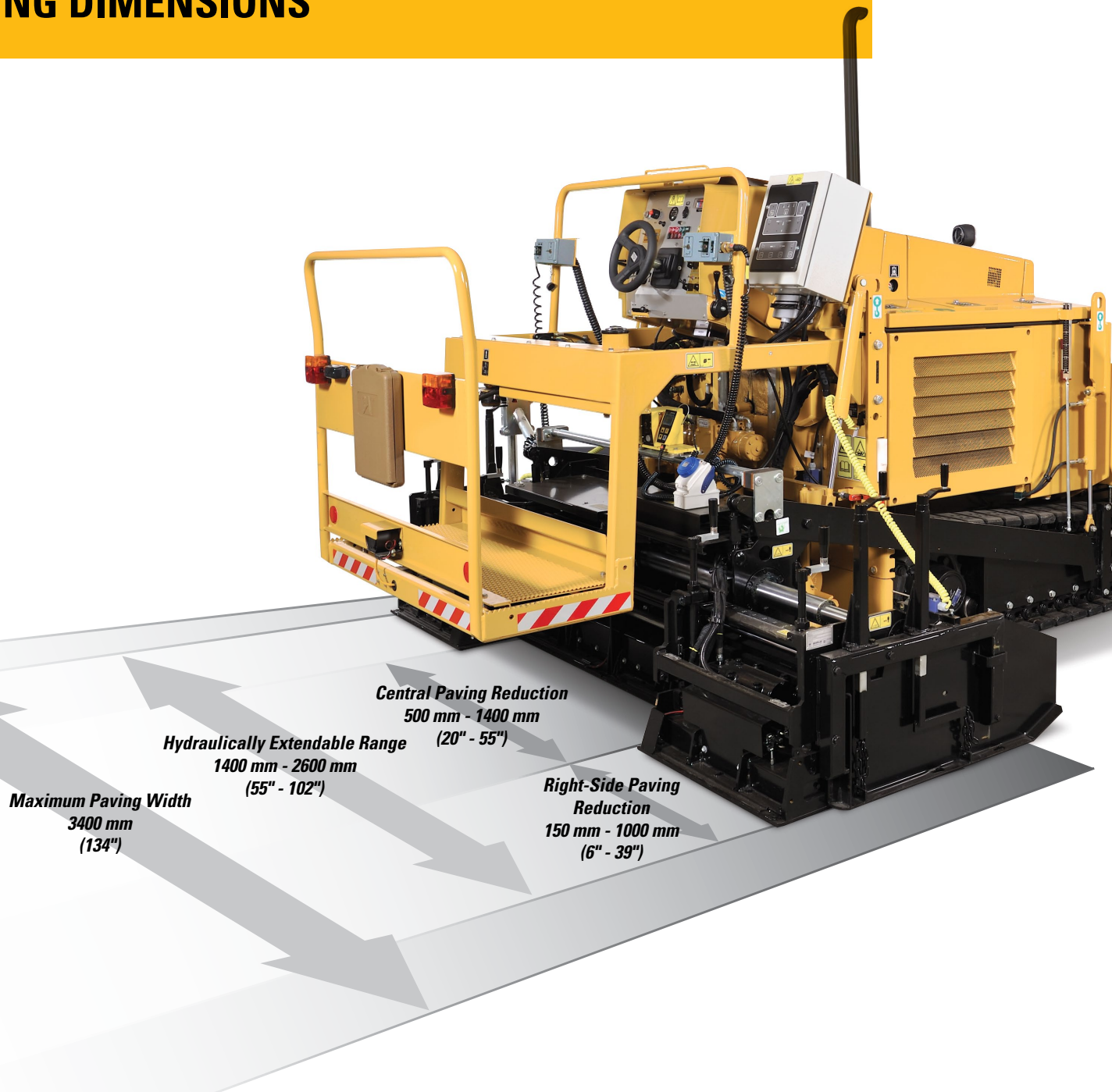
AUXILIARY POWER

- 1.5 kW of available power
- Supports standard lighting and power tools
- Panel is available with one, 240-volt receptacle



1. Electric Heat Panel
2. 12 kW Generator
3. Auxiliary Power Supply

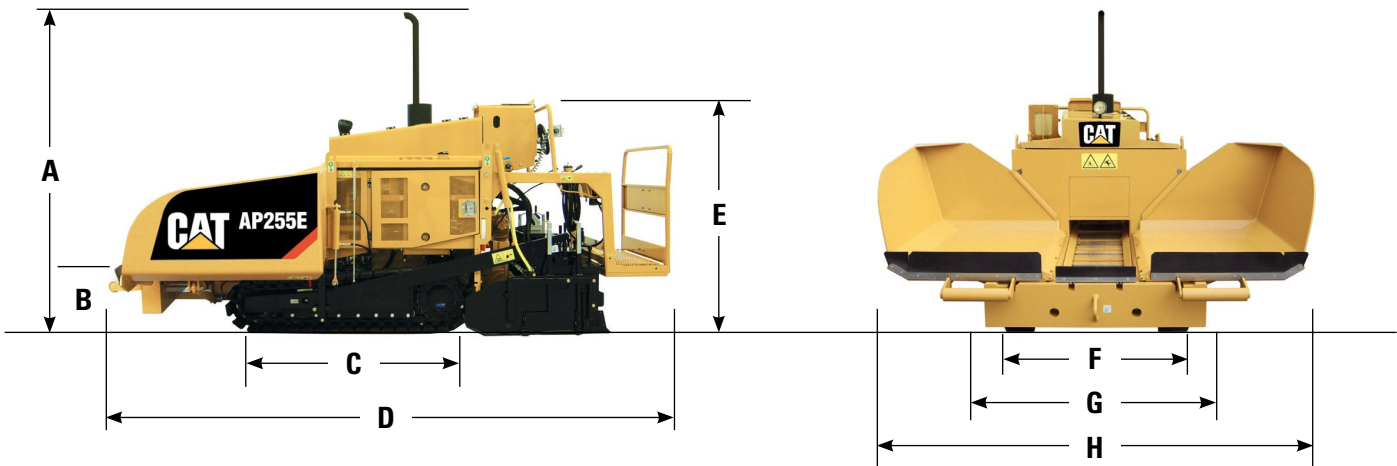
PAVING DIMENSIONS



Central Paving Attachments



Right-Side Paving Attachment



Dimensions

| | |
|------------------------------------|-------------------|
| A Operating height | 2536 mm (8' 4") |
| B Discharge height - hopper | 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 | 1640 mm (5' 5") |
| H Tractor operating width | 3004 mm (9' 10") |

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 (4.1 yd ³) |
| Vibration frequency | 3400 rpm |
| Crown adjustment | +4.5% to -2.5% |

Powertrain

| | |
|-------------------|-------------------------------|
| Cat C2.2 engine | 34.1 kW [46 hp (m) 45 hp (l)] |
| Fuel capacity | 65 L (17 gal) |
| Generator size | 12 kW @ 240 VAC |
| Electrical system | 12 V |

Operating Weight

| | |
|----------------------------|--------------------|
| Tractor with AS3143 screed | 4500 kg (9,921 lb) |
|----------------------------|--------------------|

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 | 200 mm (8") |

Speed

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

Optional Equipment

| |
|------------------------------|
| Power supply, 110V or 230V |
| Grade and slope control |
| Mechanical feed sensor |
| Screed extensions |
| Central paving attachment |
| Right side paving attachment |

AP255E Paver

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