

Montana Department of Transportation Bridge Bureau Approved Construction Equipment List

Make:	Caterpillar
Model:	AP255E with AS3143 screed and full hopper
Equipment Type:	paver
Contractor Modifications:	none

Interstate Approval Conditions

<i>Approval Type</i>	Crossing Only
<i>Speed:</i>	no restriction
<i>Weight:</i>	24,576 lb or less
<i>Traffic:</i>	approved with regular traffic
<i>Location Restrictions:</i>	no restriction

Non-Interstate Approval Conditions

<i>Approval Type</i>	Crossing Only
<i>Speed:</i>	no restriction
<i>Weight:</i>	24,576 lb or less
<i>Traffic:</i>	approved with regular traffic
<i>Location Restrictions:</i>	no restriction

Comments:

Equipment configuration, weights and specifications on following pages. Approval does not apply to load posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.

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.

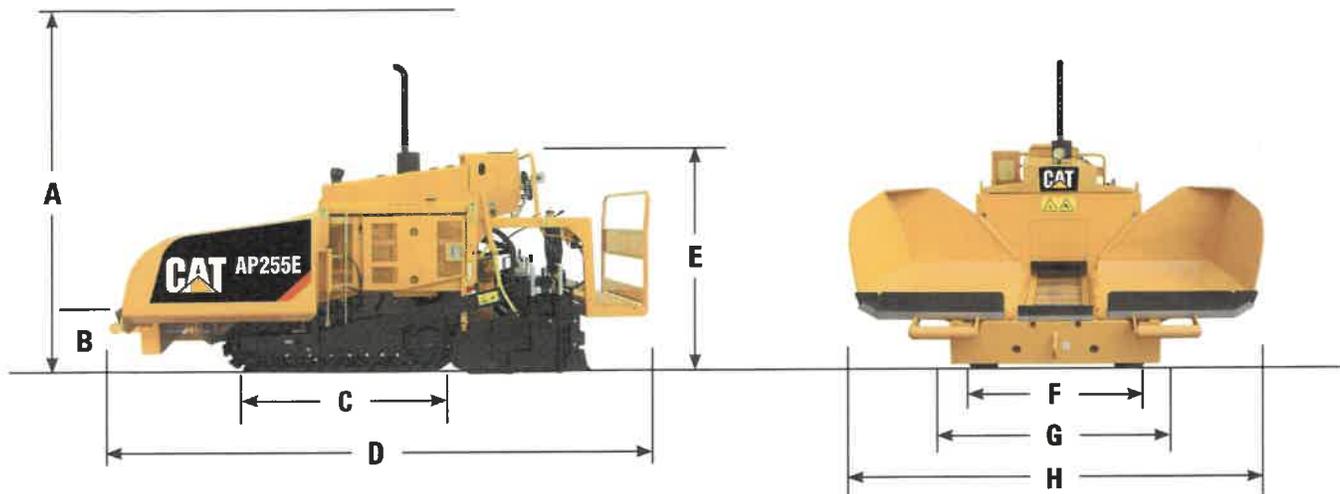
HIGHLIGHTS

- 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)
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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)