MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

mdtacel@mt.gov

Make:	Caterpillar
Model:	AP1055E with AS4252C screed and full hopper
Equipment Type:	paver
Contractor Modifications:	none

Interstate Approval Conditions

Approval Type	crossing only
Speed:	no restriction
Weight:	82,208 lb or less
Traffic:	approved with regular traffic
Location Restrictions:	no restriction

Non-Interstate Approval Conditions

Approval Type	denied
Speed:	denied
Weight:	denied
Traffic:	denied
Location Restrictions:	denied

Comments:

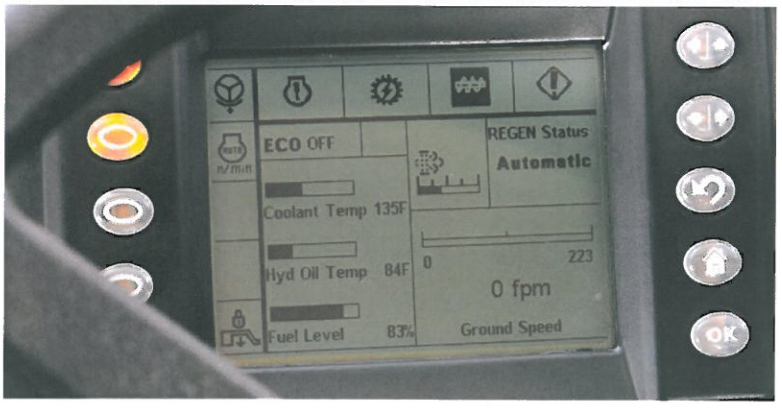
Equipment configuration, weight, and specifications on following pages. Approval does not apply to load posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.

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.

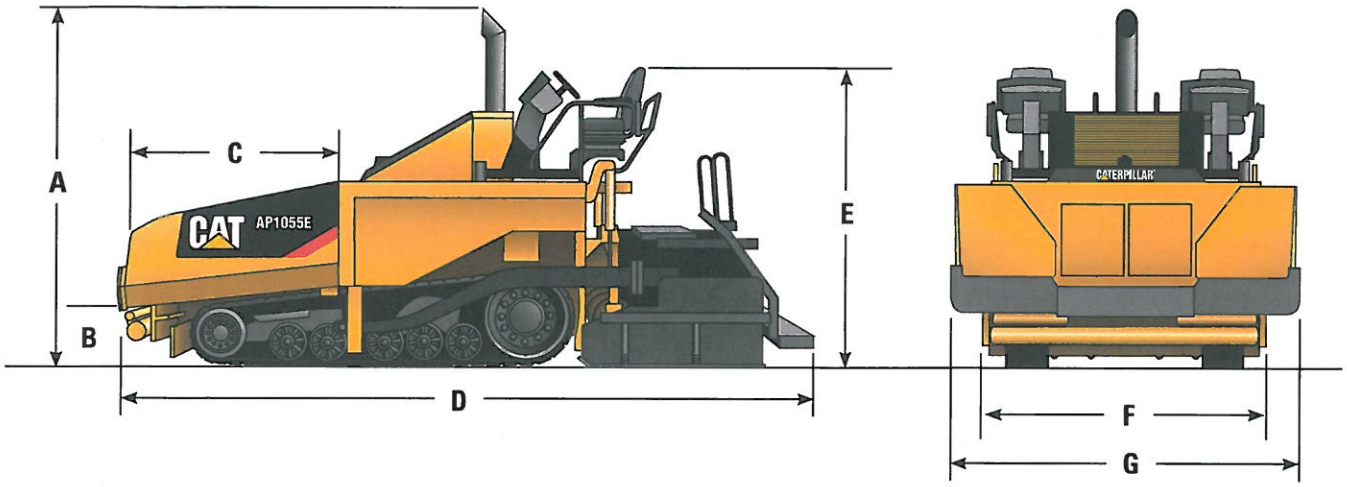
APPLICATIONS

- 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)