

AP600D

Asphalt Paver



Cat® C6.6 Engine with ACERT™ Technology

Gross Power (SAE J1995) at 2200 rpm	129.5 kW/176 hp
Net Power (ISO 9249) at 2200 rpm	121.9 kW/165.8 hp

Operating Weight with

AS4251C Screed	18 200 kg
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Hopper Capacity	6.5 m ³ (14.1 tonne)
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Standard Paving Range

AS4251C Screed	2550-5000 mm
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Maximum Paving Width

AS4251C Screed (Electric Heat)	7000 mm
AS4251C Screed (LPG Heat)	7000 mm

Engine

Six cylinder Caterpillar C6.6 with ACERT Technology, turbocharged air-to-air after-cooled diesel engine. Meets European EU Stage IIIA engine emission regulations.

Gross Power	2200 rpm
SAE J1995	129.5 kW/176 hp
Net Power	2200 rpm
ISO 9249	121.9 kW/165.8 hp
EEC 80/1269	121.9 kW/165.8 hp
Bore	105 mm
Stroke	127 mm
Displacement	6.6 liters

All engine horsepower are metric including front cover.
Net power ratings are tested at the reference conditions for the specified standard.
Net power advertised is the power available at the flywheel when the engine is equipped with alternator, air cleaner, muffler and fan.
Derating is not required up to an altitude of 3000 m.

Transmission

The drive system utilizes two dual path hydrostatic pumps and two fixed displacement motors. The pumps are infinitely variable with electronic displacement controls (EDC) for steering and speed. Single speed motors drive two speed planetary gear boxes to provide two propel ranges. The drive system is equipped with two switches located at the operator's station control console. The two switches are used as manual overrides and are directly linked to EDC's.

Features

The optional front wheel assist provides power to the front bogie wheels for additional tractive effort. The optional all-wheel assist provides power to the front and rear bogie wheels, maximizing tractive effort.

Two Speed Ranges (forward and reverse)

Paving	0-25 mpm
Travel	0-18 km/h

Steering

Hydraulic power-assist steering system provides smooth, low effort steering by means of a steering wheel on the control console panel. Electric over hydraulic dual path differential steering assures precise machine control. Steering commands are independent of propel speed.

Features

Three propel modes including pave, travel and maneuver are selectable at the operator's control console. When in the pave or travel mode, the steering range is electrically reduced to provide smooth steering movements. When in the maneuver mode, steering is at full range, allowing the operator to pivot-turn by preventing the inside drive wheel from turning.

Turning Radius

Minimum	1400 mm
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Suspension

Four front steering bogie wheels, two per side, are mounted in tandem on bogie axles, equalizing ground pressure.

Drive Tyres (radial)	two, 16.00 x 25
Steering Wheels (solid rubber)	four, 559 mm x 330 mm
Wheel base	2360 mm

Brakes

Primary Brake Features

A closed-loop hydrostatic system provides dynamic braking during normal operation.

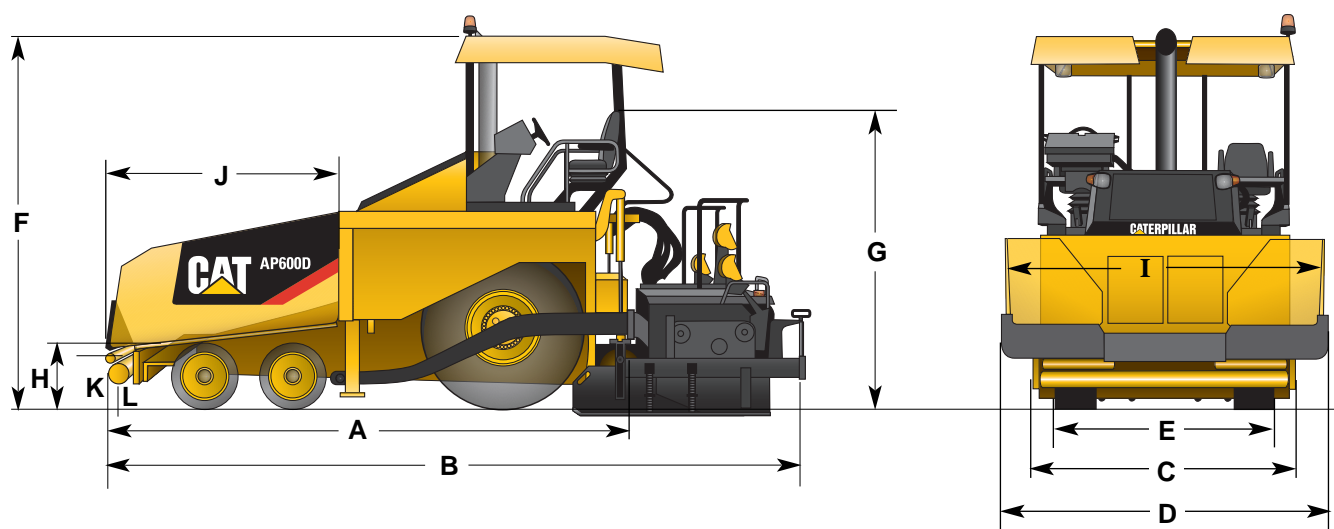
Parking Brake Features

Safety and parking brakes system includes a spring applied, hydraulically released brake which is actuated by a switch on the operator's station control console.

Electrical System

The 24-volt DC electrical system is designed for improved durability, reliability and ease of service. Two 12-volt batteries with 1400 cranking amps each and a 80-amp alternator are used in the system. Wires are loomed with vinyl-coated nylon braid to improve the overall integrity of the electrical system and to protect against abrasion.

Dimensions



	mm
A Tractor length with push roller	4950
B Length with push roller and screed	6160
C Transport width with screed end gates (hopper raised)	2720
Transport width without screed end gates (hopper raised)	2500
D Tractor operating width (hopper lowered)	3306
E Track gauge width	2200
F Operating height with canopy	3840
G Transport height with canopy, fumes stack and seat lowered	3019

	mm
H Truck dump height (at hoppers)	520
I Truck entry width (at hoppers)	3200
J Hopper length	1960
K Push roller height	533
L Clearance	260
Hopper capacity (with conveyor tunnels) – m ³	6.5
Discharge height at center	566
Augers diameter	406

Service Refill Capacities

	Liters
Fuel tank	291
Cooling system (total)	30
Engine oil w/filter	14
Hydraulic oil tank	218
Washdown spray system	38

Weights

Operating Weights*	kg
AP600D with AS4251C	18 200
Shipping Weights**	
Tractor only	14 000
Tractor with screed	17 900

Weights shown are approximate and include:

* 75 kg operator, with canopy, fuel tank 50%, leveling system, standard width screed (2.55-5 m).

** base machine, canopy lowered, fuel tank 10%, manual apron, standard screed end gates.