AP300D

Paver





Cat® C4.4 ACERT™ Engine		
Gross Power (SAE J1995)	55.5 kW	74.4 hp
Net Power (ISO 9249, EEC 80/1269	50.9 kW	68.2 hp
Operating Weight		
w/AS3173 Screed	7400 kg	16,314 lb

Paving Widths

Standard Extendable Range	1700 mm - 3200 mm	5′ 7" - 10′ 6"
Maximum w/Extensions	4000 mm	13′ 1″
Paving Reduction Range	650 mm - 3200 mm	26" - 10' 6"

VERSATILE PAVING CAPABILITY IN A HIGHLY PRODUCTIVE MACHINE

One look at the AP300D reveals exceptional maneuverability. Operators are reminded of this as they navigate around the twists and turns of urban environments and mountain roads.

What the crews also quickly discover is the wide paving range of the AP300D. Extensions can increase paving width to 4000 mm (13' 1"), while an optional reduction attachment delivers a narrow paving capability of 0.65 m (26").

Easy installation/removal of extension packages and grade and slope capability make this machine a perfect combination of productivity and versatility.

A comfortable operating environment with dual seats that can be easily positioned outside of the machine frame as well as a convenient sliding control panel delivers efficient performance in a variety of conditions.

The AP300D a great fit for city streets, mountain roads, town centers, parkways, and general maintenance and repair applications.

CONTENTS

AP300D Features
Machine Overview
Smooth Delivery
Cat C4.4 Engine
Operating Environment
Wheel Undercarriage
Electric Screed Heat12
Service and Reliability13
Screed Specifications14
Paver Specifications

FEATURES

MULTI-PURPOSE, EXTREMELY MANEUVERABLE PAVER.

OPTIMAL MANEUVERABILITY

- Hydrostatic drive
- Tight turning capability
- High travel speeds
- Excellent traction on soft or hard base materials
- Optional front wheel assist

UNMATCHED COMFORT

- Dual operating stations slide out for better all-around visibility
- Machine controls are conveniently positioned on a sliding control panel
- Exhaust stack provides fumes evacuation above the canopy
- Folding canopy with choice of manual or hydraulic assist
- Quiet operation supports easy communication

PRECISE MATERIAL CONTROL

- Independent control of each auger and each conveyor leads to consistent material flow in front of the screed
- $-\,4$ sensor system allows the operator to fine tune mix delivery
- Reversible augers and conveyors limit spillage
- AS3173 hydraulic power, extendible screed, available with variable frequency vibrating system and electric heating system



SCREED VERSATILITY

- Hydraulically extendible from 1.7 m to 3.2 m (5' 7" to 10' 6")
- With mechanical bolt-on extensions, extendible from 1.7 m to 4.0 m (5' 7" to 13' 1")
- Hydraulic paving reduction attachment narrows the paving width to 650 mm (26")
- Crown adjustment of +4.5% to -2.5%
- Screed plate vibratory frequency of 3400 rpm (56.7 Hz)
- Fast installation/removal of screed extensions

SIMPLIFIED SERVICE

- Large access doors provide quick and easy inspection
- Electrical system is color-coded, numbered, and wrapped in kevlar braid for easy identification and durability

LEADING-EDGE TECHNOLOGY

- Cat C4.4 ACERT engine
- Automated Grade and Slope System
- Product Link[™] capability





MID-SIZED, VERSATILE PAVER

RELIABLE, QUIET, POWERFUL.

- 1. Exceptional Visibility
- 2. Intuitive Console Design
- 3. Cat C4.4 Engine w/ACERT™ Technology
- 4. Tractor-mounted, 12 kW Generator
- 5. Advanced Mix Delivery
- 6. Versatile Paving Range
- 7. Electrically Heated Screed
- 8. Tight Turning Wheel Undercarriage
- 9. Front Wheel Assist (option)







CONTINUOUS FLOW LEADS TO BETTER MAT QUALITY.

AUTOMATED DELIVERY

- 73 metric tph (80 tph) throughput capacity
- Four material feed sensors, one mounted over each conveyor and one at each extender ensure precise delivery
- Adjustable speeds for each auger and each conveyor maintains desired mix height in front of the screed
- Reversible augers and conveyors minimize spillage at the end of the paving pass; control switches are located on the main control panel and both screed control panels
- Hydraulically adjustable auger height promotes mat consistency and simplifies transport
- 28 L (7.4 gal) washdown tank
- Deck-mounted tow point indicators

SMOOTH FLOW

- 3.8 m³ (134 ft³) hopper capacity
- Wide hopper width of 3200 mm (10' 6") enables smooth truck delivery
- Truck discharge height of 570 mm (22") and adjustable push-roller easily accept a variety of trucking fleets
- Independent hopper wing control simplifies operation next to buildings and other obstacles
- Narrow chain guards and optimally spaced flight bars promote smooth mix flow

CAT C4.4 ENGINE

RELIABLE, QUIET, POWERFUL.

C4.4 WITH ACERT TECHNOLOGY

- Meets emissions standards equivalent to U.S. EPA Tier 3 and E.U. Stage IIIA requirements
- Provides a gross power of 55.5 kW (74.4 hp)
- High capacity cooling system keeps engine cool for optimal fuel efficiency and lower emissions
- Proven core engine design ensures reliability and quiet operation

ENGINE COMPARTMENT

- Easily accessible service components include:
 - Air cleane
 - Fuel filter w/water separator and priming pump
 - Engine oil filter and level check
 - Coolant level









OPERATING ENVIRONMENT

OPERATE WITH CONFIDENCE.

OPERATING ENVIRONMENT

- Dual suspension seats swing out beyond the machine frame for optimal visibility
- Sliding console with single rail design provides easy side to side movement
- Canopy with side extensions is available with manual or hydraulic folding capability
- Electric screed heat promotes cleaner working conditions for the crew
- Large capacity cooling system directs warm air away from the operating platform for increased comfort

INTUITIVE CONSOLE

- Comprehensive controls and analog gauges enable the operator to easily monitor essential functions
- Grouped toggle switches ensure efficiency and performance
- Automatic speed control maintains paving speed for smoother mats
- Warning indicators keep the operator informed
- Electronic throttle provides on-demand control
- Lockable vandal cover provides protection
- 12 volt power receptacle supports communication devices

ELECTRONIC CONTROL MODULE (ECM)

- Enables independent auger and conveyor speeds
- Integrates performance functions







The wheel undercarriage offers quick reacting speed control, responsive power, and high speed capability when moving around the job site.

EXCELLENT MANEUVERABILITY

- Two, 365/80 R20 hydro-flated drive tyres
- Four 455 mm x 260 mm, solid rubber steering wheels
- Tight outside turning radius for quick mobility
- Quick reacting speed control ensures responsive power
- High flotation delivers excellent performance on soft base applications
- The oscillating front bogie design easily overcomes obstacles, eliminates jarring effects and minimizes tow-point movement



MOBILITY

- Hydrostatic propel system
- Pave, Travel and Maneuver modes
- Pave: Improved steering control when paving
- Travel: Speeds of 0 16 km/hr (0 10 mph)
- Manouver: Optimizes steering control and delivers an outside turning radius of 1.65 m (5' 5")

FRONT WHEEL ASSIST (OPTION)

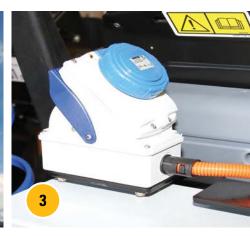
 Front wheel assist option provides added traction when pushing trucks or working on soft base

ADVANCED ELECTRIC SCREED HEAT

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







- 1. Screed Controls
- 2. Electric Heat Panel
- 3. Auxiliary Power Supply

AS3173 SCREED

- AS3173 screed is available with variable frequency vibrating system
- Screed panels include mix delivery controls for easy ground level access
- Screed lock function prevents settling, eliminates bumps in the mat
- Grade and slope control available

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 belt-driven generator
- Supplies 12 kW @ 230 volts AC
- Provides power to the electric screed and auxiliary power panel

AUXILIARY POWER

- 1.5 kW of available power
- Supports standard lighting and power tools
- $-\,\mbox{\sc Panel}$ is available with one, 240-volt receptacle

SERVICE AND RELIABILITY

RELIABLE, QUIET, POWERFUL.

Maintaining productivity requires durable components that limit wear and extend equipment life.

LARGE ACCESS DOORS AND PANELS

- Quick and easy inspection
- Accessible pumps and components
- Outboard mounted auger drives for easy access
- Visual indicators simplify routine service checks

HYDRAULIC SYSTEM

- Grouped and centrally located solenoids
- Manual overrides simplify troubleshooting by eliminating functioning systems
- Hydraulic hoses are cleanly routed and clamped for long-term reliability
- Exposed hoses are wrapped in nylon sleeve for protection against abrasion
- Pressure test ports and oil sampling ports simplify hydraulic system diagnosis

ELECTRICAL SYSTEM

- 12-volt system w/85 amp alternator
- Color-coded and numbered electrical wiring simplifies troubleshooting
- Harnesses are wrapped in abrasion resistant kevlar braid

MACHINE TRACKING

- Product Link option
- Maximize up-time
- Automatic machine location
- Hour updates
- Diagnostic codes
- Schedule service requirements at more opportune times

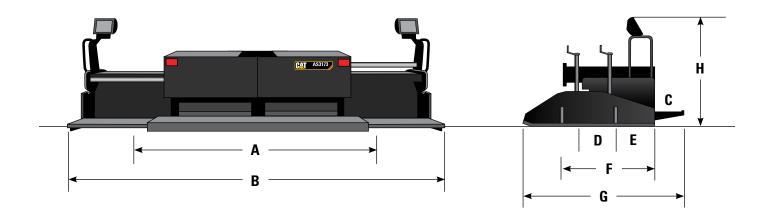
LONG SERVICE INTERVALS

- 500 hour engine oil service interval
- 1000 hour hydraulic oil service interval





AS3173 SCREED SPECIFICATIONS

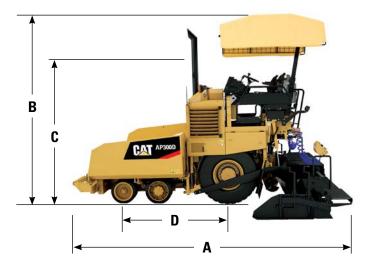


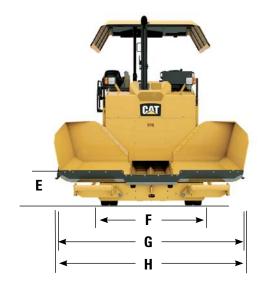
Dimensions			
A	Width with end gates	1.73 m (5′ 8")	
	Width without end gates	1.67 m (5′ 6")	
В	Hydraulically extendable width	3.20 m (10′ 6")	
	Maximum w/extensions	4.0 m (13' 1")	
C	Walkway width (main)	350 mm (13.75")	
D	Main screed plate width (front to back)	254 mm (10")	
E	Extender screed plate width (front to back)	254 mm (10")	
	Screed plate thickness	12 mm (0.5")	
F	Length without end gates (front to back)	1.0 m (3' 3")	
G	Length with end gates (front to back)	1.70 m (5′ 7")	
Н	Height	1.55 m (5' 8")	

Screed Weight	
AS3173 screed - w/electric heat	1100 kg (2,425 lb)

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

AP300D SPECIFICATIONS





	Dimensions			
A	Overall length	4870 mm (16')		
В	Operating height	3480 mm (11' 5")		
C	Transport height	2960 mm (9' 8")		
D	Wheelbase	1950 mm (6' 5")		
E	Discharge height - hopper	480 mm (19")		
F	Transport width	1820 mm (6')		
G	Truck entry width	2850 mm (9' 4")		
Н	Paver operating width	3180 mm (10' 5")		

73 tonnes/h (80 tph)
independent, reversible
260 mm (10")
3.8 m³ (134 ft³)
6.6 tonnes (7.3 ton)

Powertrain	
Cat C4.4 engine with ACERT Technology	
Gross power - SAE J1995	55.5 kW (74.4 hp)
Net power - ISO 9249, EEC 80/1269	50.9 kW (68.2 hp)
Fuel capacity	110 L (29 gal)
Generator size	12 kW @ 230 Volt AC
Electrical system	12 V

eight			

Operating weight w/screed 7400 kg (16,314 lb)
Tractor only 6300 kg (13,889 lb)
Shipping weight w/screed 7300 kg (16,094 lb)

Weights shown are approximate and include:

Sonic Material Feed Sensors

- * 75 kg operator, with mechanical canopy, fuel tank 50%, standard width screed
- ** Base machine, canopy lowered, fuel tank 10%, standard screed end gates.

Speed	
Paving	30 m/min (98 fpm)
Travel	16 km/hr (10 mph)

Uptional Equipment
Canopy (Hydraulic or Manual Fold)
Central Paving Reduction Attachment - 0.65 m (26")
CE Certificate
Ecological Washdown System
Front Wheel Assist
Grade and Slope Control
Italian Road Homologation
Mechanical Feed Sensor
Rigid Ski Leveling Device - 6 m (19.5')
Screed Extensions - 3.6 m - 4.0 m (11' 10" - 13' 1")

AP300D Paver

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