

AP-900B

Rubber Tire
Asphalt Paver



Operating weight:

with Extend-A-Mat B Screed	17 900 kg	39,350 lb
with Pavemaster B Screed	16 300 kg	35,800 lb
Hopper Capacity	6,1 cu m	215 cu ft
Standard Paving Width	3,05 m	10 ft
Maximum Paving Range:		
with Extend-A-Mat B Screed	2,44 - 7,37 m	8 - 24 ft 2 in
with Pavemaster B Screed	2,44 - 9,14 m	8 - 30 ft

Engine

Cat 3116T turbocharged, four stroke/cycle six cylinder diesel engine. Meets EPA and CARB low emissions engine regulations.

Ratings at 2,200 RPM	kW	hp
Gross power	114	153

Ratings of Caterpillar machine engines are based on standard air conditions of 25°C (77°F) and 99 kPa (29.32") Hg dry barometer. Power is based on using 35° API gravity fuel having an LHV of 42,780 kJ/kg (18,390 Btu/lb) when used at 30°C (86°F) [ref. a fuel density of 838.9 g/L (7.001 lb/U.S. gal)]. Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

The following ratings apply at 2,200 RPM when tested under the specified standard conditions for the specified standard:

Net Power	kW	hp
EEC 80/1269	104	139
ISO 9249	104	139

Dimensions

Bore	105 mm	4.12"
Stroke	127 mm	5.0"
Displacement	6,6 L	403 cu. in

Drive System

The drive utilizes a totally hydrostatic propel system. Engine mounted variable-displacement pumps drive two-speed variable-displacement wheel motors mounted directly to high-torque, single-speed final drives. Planetary drive boxes have multi-disc parking brake.

Forward speed ranges

Pave*	0-122 mpm	0-400 fpm
Travel	0-16 kmph	0-10 mph

Speeds may vary slightly due to type of tires used.

* If equipped with optional front wheel assist, maximum paving speed is 69 mpm (225 fpm).

Hydraulic Oil Filtration

Propel pumps and motors have 10-micron filters and the feeder pumps and motors have 10-micron filtration. Both have remote filter condition gauges. Vibrator pump has a 125-micron suction strainer at the inlet. The auxiliary pump has 125-micron strainer on the inlet. Return oil has a 7-micron filter with indicator.

Steering

Steering is full power via an automotive-type steering wheel at the operator's station. Heavy duty tandem articulated dual bogies on each side are mechanically connected and guided by a single modulated hydraulic cylinder. Bogies are 406 mm (16") wide by 559 mm (22") diameter solid rubber tires.

Inside Turning Radius
2,9 m (9' 6")

Brakes

Primary braking system: Hydrostatic transmission dynamic braking.

Parking brake system: Spring applied, hydraulically released parking brake, which is actuated by a switch on the console.

Suspension

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

Drive Tires (sand rib)
18:00 x 25

Steering Tires (solid rubber)
406 mm x 559 mm (16" x 22")

Hopper

Power hopper dumping, controlled from control console. Heavy-duty flashing prevents material spillage.

Capacity
6,1 cu m (215 cu ft)
Truck Entry Width
3200 mm (10' 6")
Truck Dump Height
623 mm (24.5")

Service Refill Capacities

	Liters	Gallons
Fuel Tank	265	70
Hydraulic Oil Tank	189	50
Cooling System	37	9.8

Weights (approximate)

Tractor	14 445 kg (31,850 lb)
With Extend-A-Mat 10-20B and truck hitch or push roller	17 900 kg (39,350 lb)
With Pavemaster 10B and truck hitch or push roller	16 300 kg (35,800 lb)

Dimensions

	Extend-A-Mat B Screed	Pavemaster B Screed
A Length with push roller with truck hitch	6783 mm (22' 3")	6285 mm (20' 7")
B Operating width	3327 mm (10' 11")	3327 mm (10' 11")
C Overall height	3378 mm (11' 1")	3378 mm (11' 1")
D Transport width (hoppers raised) with end gates	3327 mm (10' 11")	3327 mm (10' 11")
Transport width (hoppers raised) without end gates	3048 mm (10')	3048 mm (10')
E Transport height (muffler removed)	2769 mm (9' 1")	2769 mm (9' 1")
F Wheel base	2540 mm (100")	2540 mm (100")
G Front wheel gauge	2491 mm (98")	2491 mm (98")
H Rear wheel gauge	2284 mm (90")	2284 mm (90")
Inside turning radius	2,9 m (9' 6")	2,9 m (9' 6")

