

Road Paver Wheeled AFW 500 E/G

The machine of this class is ideal for medium-high size job sites where a good manoeuvrability together with high performances are requested. Due to its excellent weight distribution and wheeled traction options (4x6 and 6x6), it is very easy to handle and able to pave till 6.5 m of width in a big range of applications.



The machine has three axles: front, two axles for steering and rear, axle for traction. The rear axle is fitted with large pneumatic tyres so that the machine can be driven also on soft grounds. On the front oscillating axles are fitted large full rubber tyres. The steering system with a hydraulic pump gives a smooth control when turning. The hoppers are independently controlled by an electric-hydraulic system. The front truck pushing rollers are adjustable and oscillating.



APPLICATIONS

layers of final wearing course, binder, tout-venant as well as draining asphalt on:

freeways and national roads

large squares

civil and industrial building

lots, big parking areas

Two adjustable seats, left and right, can slide externally. The dashboard is adjustable to the seat position to allow easy operations. Ground controls with anti-vandal guards for the road operator. Hydraulic foldable canopy with rear supports to ensure good visibility.

Feeding of material

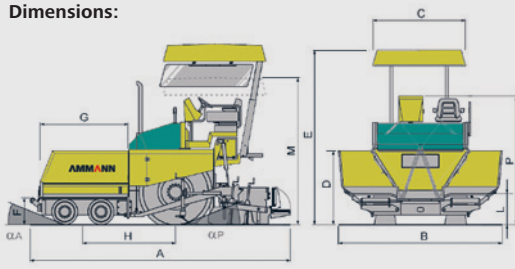
The feeding system of the material: two independent and reverse chain belt conveyors, controlled by paddle microswitches, and the augers, controlled by two proportional ultrasonic, regulate the flow of material to the screed in order to maintain the most effective distribution of the material in any condition. The height of the auger group is electric-hydraulically adjustable.

Screed options

Screed with tamper and vibration (FST), or with vibration only (FSV), with gas or electric heating, automatic lighting and temperature control, ISR system (Screed Assist) with pressure adjustment.

Technical specification

Dimensions:



A	B	C	D	E	F	G	H	L	M
6040	3240	2550	1630	3520	506	2000	1900	610	3100
P	αA	αP							
2620	15°	15°							

Screed Options: FSV 500 E/G; FST 500 E/G

Max paving widths:

2550–4900 mm
Optional 6500 mm

Equipment	
Standard	
Automatic heating control	
Augers height hydraulically adjustable	
Proportional ultrasonic augers control	
ISR system (Screed Assist)	
Hydraulic folding canopy	
Optional	
Four wheel drive (DT)	
6 wheel drive (DTI)	
Mechanical longitudinal levelling system	
Slope control system	
Reduction plates at 1500 mm	
Mechanical extensions 2x800 mm	
Electric-hydraulic camber adjustment	
Rotating screed side end plates	

Wheeled Paver AFW 500 E/G

Length (transport)	mm	5860
Dimensions	(see ill.)	
Engine		
Manufacturer	Cummins QSB4.5	
Type	Diesel, Turbo-Intercooler, electronic control	
No. of cylinders	4	
Power (DIN/ISO 3046/1) at 2200 rpm	kW	119 (160 PS)
Max torque	Nm 457 at 1500 rpm	
Generator	24V-70 A	
Brakes		
Service brake	Hydrostatic	
Parking brake/Emergency	Multiple disks negative brake on reduction gears	
Traction - Steering		
Transmission type	Hydrostatic	
Steering type	Hydraulic	
Internal turning radius	m	3.70
Performances		
Production	t/h	500
Layer thickness	mm	5–300
Hopper capacity	t	12
Max Speed (transfer)	km/h	14
Max Speed (work)	m/min.	40
Tank capacity		
Fuel tank	l	200
Hydraulic oil	l	170
Ecological liquid	l	30
Wheels		
Traction	17.5 - R25	
Steering	Ø 530 x 300	
Weights (CECE)		
Paver with screed	kg	15000

