

# AFW 500

## WHEELED ASPHALT PAVER

EU Stage IIIA / U.S. EPA Tier 3



### A MANOEUVRABLE, PRODUCTIVE PERFORMER

The AFW 500 excels on medium to large jobs requiring good manoeuvrability as well as high performance and productivity. Exceptional weight distribution makes the paver easy to handle, while the maximum paving width of 6.5 metres makes it a good fit for a wide range of applications.

#### USER-FRIENDLY OPERATION

- Intuitive to operate dashboard and screed control units
- Illuminated panels for night shifts
- Individual parts for easy replacement
- Low discharge height for easy material loading

#### PRODUCTIVITY

- Standard paving width of 2500–4900 mm
- Maximum paving width of 6500 mm with mechanical extensions
- Production capacity of 500 t/h
- Working speed of 37 m/min
- Transfer speed of 10 km/h

#### HIGH-QUALITY SCREEDS

- Gas (LPG) & electric heated screeds available
- Combined Tamper & vibration screed for best pre-compaction results

#### STEERING AND TRACTION

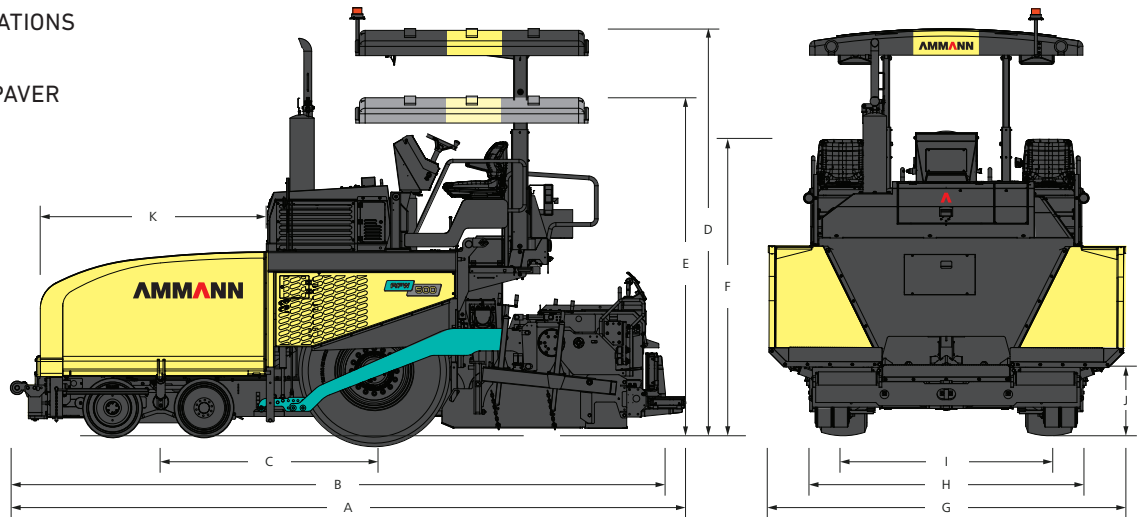
- 2-, 4- or 6-wheel drive provide traction on difficult surfaces.
- 2 front axles optimise steering while the rear axle is fitted with large pneumatic tyres for traction.
- A steering system with a hydraulic pump provides smooth control when turning.
- The screed assist system (ISR) improves traction when needed by transferring the weight of the screed onto the rear wheels.

#### APPLICATIONS

- Layer of wearing courses, binder and special asphalts
- National Roads
- Country roads
- Municipal Roads
- Building lots
- Big squares and courtyards
- Motor ways
- Air fields
- Port areas
- Cities' streets

# AMMANN

TECHNICAL SPECIFICATIONS  
AFW 500  
WHEELED ASPHALT PAVER



## WEIGHT & DIMENSIONS

OPERATING WEIGHT	15 000 kg
WITH 6.5 M SCREED	16 500 kg
A MACHINE LENGTH	6100 mm
B TRANSPORT LENGTH	5860 mm
C AXLE LENGTH	1922 mm
D MACHINE HEIGHT	3520 mm
E TRANSPORT HEIGHT	3100 mm
F HEIGHT WITHOUT CANOPY	3000 mm
G MACHINE WIDTH	3240 mm
H TRANSPORT WIDTH	2550 mm
I WHEEL GAUGE	2076 mm
J MATERIAL LOADING HEIGHT	600 mm
K HOPPER LENGTH	2000 mm

## ENGINE & DRIVETRAIN

MANUFACTURER	Cummins
TYPE	QSB 4.5
ENGINE COOLING SYSTEM	Liquid cooling
NUMBER OF CYLINDERS	4
RATED POWER	119 kW
EMISSIONS	EU Stage IIIA / U.S. EPA Tier 3
TYRES	17,5-R25
DIRECTIONAL WHEELS	530 × 300
TRANSMISSION TYPE	Hydrostatic
STEERING TYPE	Hydraulic
INTERNAL TURNING RADIUS	3.30 m

## PERFORMANCE

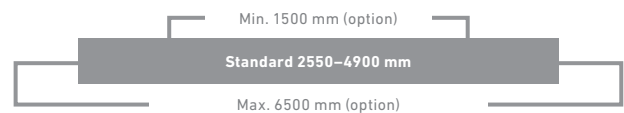
MAX. THEORETICAL PAVING CAPACITY	500 t/h
MAT THICKNESS	10–300 mm
SPEED (TRANSFER)	0–10 km/h
SPEED (PAVING)	0–37 m/min

## STANDARD EQUIPMENT

- Rear wheel drive for AFW 500
- Automatic heating control
- E-hydraulically adjustable augers height
- Proportional ultrasonic augers control
- The ISR system (Screed Assist)
- Hydraulic folding canopy

## SCREED FST 500 G/E

STANDARD PAVING WIDTH	2550–4900 mm
MAX. W / EXTENSIONS	6500 mm
MIN. W / REDUCTION PLATES	1500 mm
CROWN RANGE	-2.5% to +4.0%
SCREED TYPE	Tamper + Vibration
HEATING	Gas / Electric



## MATERIAL FEEDING

HOPPER CAPACITY	12 t
CONVEYOR SYSTEM	Two independent, reversible
CONVEYOR WIDTH	2 × 585 mm
CONVEYOR SPEED	29.3 m/min
AUGER SYSTEM	Two independent, reversible
AUGER DIAMETER	360 mm
AUGER SPEED	82 rpm
AUGER HEIGHT ADJUSTMENT	150 mm

## TANK CAPACITIES

FUEL	220 l
COOLING SYSTEM (TOTAL)	22 l
ENGINE OIL	11.5 l
HYDRAULIC OIL	170 l
EMULSION SPRAY	30 l

## OPTIONAL EQUIPMENT

- 4 wheel drive (DT) for AFW 500 E/G
- 6 wheel drive (DTI) for AFW 500 E/G
- Longitudinal levelling system
- Slope control system
- Reduction plates at 1500 mm paving width
- Mechanical extensions 2 × 800 mm
- Rotating screed side-end plates
- Automatic central lubrication system

For additional product information and services please visit:  
[www.ammann.com](http://www.ammann.com)

Specifications are subject to change.  
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