

MACHINES

## CITY PAVER CLASS

AFW 400-2, AFT 400-2  
AFW 400-3, AFT 400-3



**AMMANN**

# CITY CLASS PAVERS

## PRODUCTIVITY IN TIGHT SPACES

When you're ready to tackle paving on city streets – and even handle some urban repair work – Ammann has tracked and wheeled pavers up to the task. The Ammann AFT 400-2, AFW 400-2, AFT 400-3 and AFW 400-3 pavers come with a wide selection of screed options and widths. The machines are small enough that they can work nicely in tight streets, but they're productive, too. Dependability is exceptional. Reliability and operator safety were among the main objectives in the development of the machines.



### **AFW 400-2**

WEIGHT: 10 300 kg

ENGINE POWER: 54 kW

BASIC WORKING WIDTH: 1750–3500 mm

MAX. PAVING WIDTH: 4700 mm

The AFW 400-2 is a wheeled paver with a conventional control system that is easy to operate and maintain. Available with T3 and T4f engines, the AFW 400-2 is also suitable for highly regulated countries and for contractors seeking machines with conventional controls

- Simple conventional control system
- Vibrating or tamping/vibrating screeds
- 2510 mm inner turning radius



### **AFT 400-2**

WEIGHT: 10 500 kg

ENGINE POWER: 54 kW

BASIC WORKING WIDTH: 1750–3500 mm

MAX. PAVING WIDTH: 4700 mm

The AFT 400-2 is a tracked paver with a conventional control system that is easy to operate and maintain. Available with T3 and T4f engines, the AFT 400-2 is also suitable for highly regulated countries and for contractors seeking machines with conventional controls

- Simple, conventional control system
- Vibrating or tamping/vibrating screeds
- 260 mm track pads

## **HIGHLIGHTS**

- Deutz 54 kW Stage IIIA (T3) and Stage IV (T4f) engines available for all models
- Tracked or wheeled versions
- Conventional control (-2) or advanced PLC system
- Vibrating or tamping/vibrating screeds
- Electric- or gas-heating screeds
- Capacity of 350 tonnes per hour
- Minimum paving width of 0.7 metres
- Maximum paving width of 4.7 metres
- Proportional sensors for auger speed control
- Constant feedback on all paving parameters from Pavemanager 2.0 (on -3 models)



### **AFW 400-3**

WEIGHT: 10 300 kg  
ENGINE POWER: 54 kW  
BASIC WORKING WIDTH: 1750–3500 mm  
MAX. PAVING WIDTH: 4700 mm

The AFW 400-3 is a wheeled paver that utilises **PaveManager 2.0**, a CAN-based control system featuring a variety of automated functions. The wheel drive allows quick relocation on jobsites and is great when working on innercity projects. The tight turning radius is a key factor behind the machines's exceptional manoeuvrability.

- Technologically advanced PLC system
- Vibrating or tamping /vibrating screeds
- 2510 mm inner turning radius



### **AFT 400-3**

WEIGHT: 10 500 kg  
ENGINE POWER: 54 kW  
BASIC WORKING WIDTH: 1750–3500 mm  
MAX. PAVING WIDTH: 4700 mm

The AFT 400-3 features **PaveManager 2.0**, a CAN-based control system including a variety of automated functions. It's tracked undercarriage system brings manoeuvrability and great traction, enabling quality results - even on difficult terrains.

- Technologically advanced PLC system
- Vibrating or tamping /vibrating screeds
- 260 mm track pads



# MOBILE AND READY TO WORK

THE CITY CLASS PAVERS FROM AMMANN ARE THE IDEAL MACHINES FOR MID-SIZED JOBSITES, ESPECIALLY IN URBAN AREAS.

Ammann City class Pavers are designed to be manoeuvrable in tight city streets – and mobile between jobsites, too. The compact size pavers fit on conventional trailers, even when equipped with a set of extensions and side shields due to the width of less than 2.55 m. This makes it easy to pave multiple locations in a single day, as nothing has to be disassembled before transport or reassembled after.

The pavers are prepared to work when they arrive. SetAssist can store paving settings and have the machine ready to work as it rolls off the trailer. An advanced screed heating system also ensures the machines are ready for action quickly. Patented quick-coupling screed extension boxes also help the paver work at proper widths – in a hurry.

## APPLICATIONS

- National roads
- Municipal roads
- Building lots
- Squares and courtyards
- Sporting courts





## COMPACT DESIGN

- Operational height: 3.36 metres
- Operational length: 5.02 metres
- Operational width: 3.15 metres
- Ground clearance: 105 mm (wheeled), 170 mm (tracked)

## FAST SCREED MOUNTING

Paving widths can change quickly – especially on city jobsites. Fast-mounting screed extensions utilise the patented quick-coupling system to help your crew adjust widths and stay productive when the requirements change. The advanced and consistent screed heating systems, available with gas or electric heating, also help ensure the paver is ready to perform quickly.

## SMART DIMENSIONS

Ammann City Pavers are engineered so their transport dimensions do not exceed 2.55 m width – even when a set of extensions and side shields are mounted. That enables the paver to be driven off the trailer and immediately get to work at a 4.1 metre width.

## SETASSIST (OPTION ON -3 MODELS)

This intelligent system supports the operator when relocating the machine. Main paving parameters, such as screed, auger and levelling position are stored, and can be recalled automatically when ready to proceed on the new jobsite.

- A single push of a button on the operator panel lifts the hydraulic front flap, auger and screed – and reverses the conveyor slightly.
- When the paver arrives at the next location, a single push of a button returns the system to its original position.
- SetAssist system can be programmed to predetermined settings.

# YOUR BENEFITS AT A GLANCE

WHAT SETS THE CITY  
PAVER CLASS FROM  
AMMANN APART?

## ENGINE

The pavers are powered by 2.9 litre, 4 cylinder, 54 kW Deutz engines that meet Tier 3 or Tier 4f standards.

## CONVEYOR

The independent conveyors with a total width of 700 mm offer an individual front tensioner and automatic proportional speed control.

## HOPPER

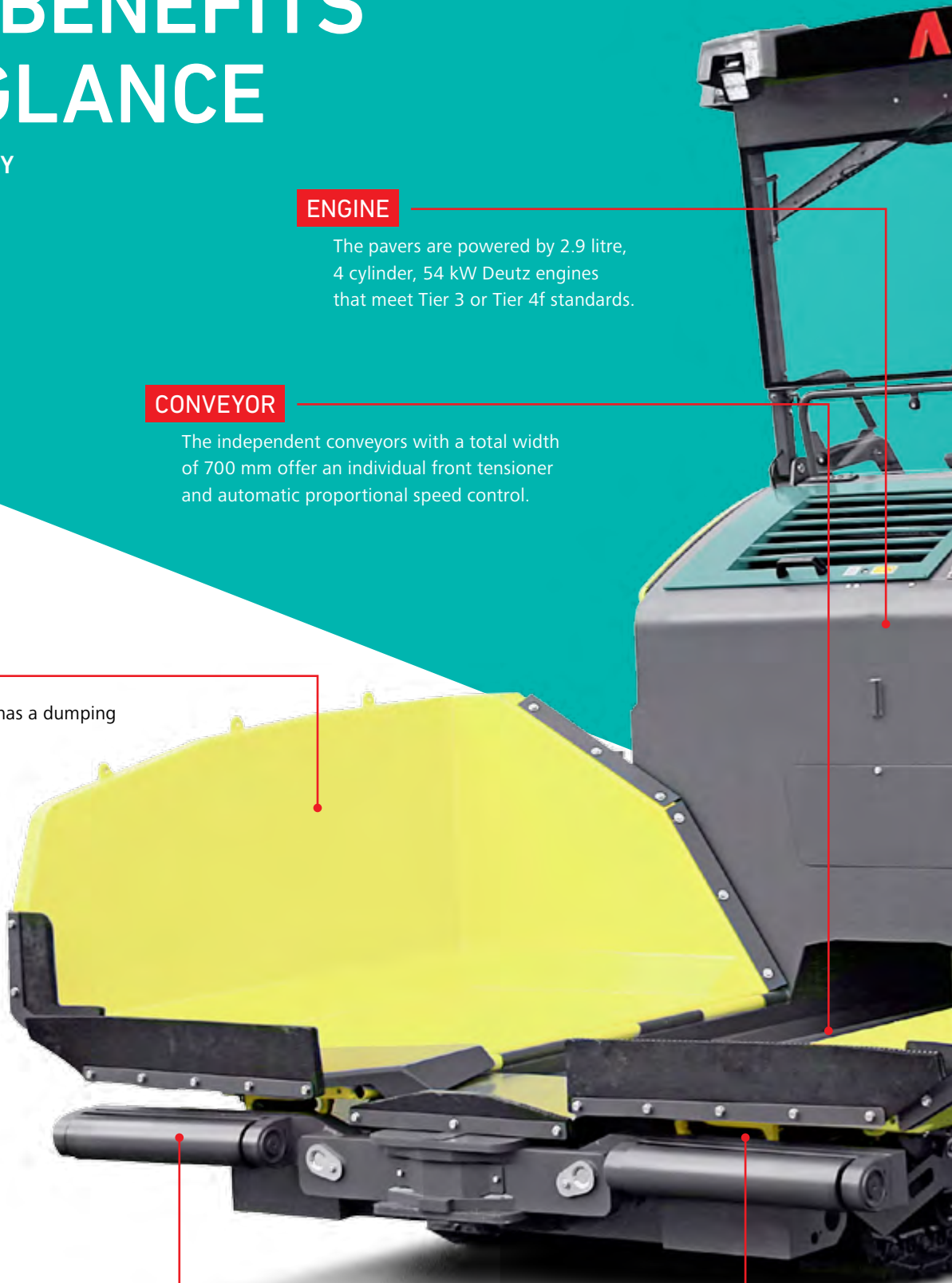
The 10.5 t hopper has a dumping height of 502 mm.

## PUSH ROLLER

The push rollers feature a 60 mm fore/aft adjustment with 6° maximum pivot angle. A safe impact system is available as an option.

## OPTIONS

Main options: Safe-impact push roller, central lubrication, front hopper flaps, fume suction system.







#### OPERATOR PLATFORM

Comfort and visibility are optimised through swivel seats that can slide from side to side, an adjustable operator panel and an extendible roof.

#### AUGER

Consistent material flow is provided through proportional sensors for speed control. Auger widths vary from 1.71–3.15 metres including mechanical extensions.

#### TRACK DRIVE

2.09 m axle track and 260 mm track pads.

#### WHEEL DRIVE

2510 mm inner turning radius and 385/65 R22.5 rear wheels. AFW 400-3 with 4 wheel drive.

#### SCREED

The dual-tube design of the screed delivers great stability and maximum paving width of 4.7 metres.

# STEPS TOWARD SMOOTHNESS

## MATERIAL FEEDING SYSTEM

Smooth paving is a process with many steps, including material feeding. Ammann City Paver Class features an efficient and consistent material feeding system that ensures a proper auger coverage and mix distribution throughout the screed.



### MATERIAL CONVEYOR

A quality conveyor system enables consistent material flow from the hopper to auger and screed, ensuring high productivity and that quality targets can be achieved.

- Independent conveyor belts with a total width of 700 mm
- Individual front tensioning system
- Proportional speed control



### AUGER SYSTEM

Consistent distribution of material across the full screed width is a key for Ammann City Class pavers. The slim auger box and the large auger size reduce possible segregation to a minimum and enable the machines to place a quality mat.

- 320 mm auger diameter
- Independent, reversible augers
- Proportional speed control
- Hydraulic height adjustment of 200 mm (for -3 models)



## KEY FEATURES

- Automatic proportional control, ensuring smooth and continuous material
- Two independently controlled, reversible conveyor belts
- Independently controlled augers
- Ultrasonic sensor control of augers
- Paddle sensor control of conveyor belts
- Individual tensioner at front of conveyor



### THE HOPPER

The hoppers of the Ammann City pavers ideally suit the machine size, giving it large capacities while maintaining flexibility and compact dimensions needed for its application in innercity areas.

- 10.5 t hopper capacity
- Low dumping height of 500 mm
- Optional safe impact push rollers
- Optional hydraulic front Flaps



### TRUCK ASSIST (OPTION FOR -3 MODELS)

The Truck assist system improves exchanges between trucks and pavers, and minimises bumps and spills that can impact quality.

- Helps trucks properly and safely dock to pavers
- Simplifies communication between paver operator and truck driver
- Overcomes noisy environments by communicating efficiently with LED bars

# SAFE AND PRODUCTIVE

## OPERATOR PLATFORM

Ammann City class Pavers provide the operator comfort that enhances safety and productivity. Controls are intuitive, helping operators of all experience levels succeed. Comfort also means providing exceptional visibility so operators can view the hopper, auger compartment, screed – and even make eye contact with truck drivers, too.

### KEY FEATURES

- Slidable and tiltable control panel
- Conventional control (-2) or Pave Manager 2.0 PLC (-3)
- Slide out seat stations with pivotable seats
- Canopy with lights (optional)
- TruckAssist system for improving truck-paver connections

## PAVER CONTROL SYSTEM

Choose between conventional control on -2 models and the PaveManager 2.0. system on -3 models.

Both systems give you full control over all paving parameters, providing you the tools you need for a great paving result.



### PAVEMANAGER 2.0 (AFT/AFW 400-3)

The automated paving system constantly monitors the process and provides feedback to operators. It also controls many key functions for precise results.

- Features a CAN-based control system
- Automates functions such as paving parameters, memory, and crown and slope settings
- Provides constant feedback to operator
- Offers adjustments from the operator dashboard or through the screed remote control
- Screed remotes recognise all MOBA leveling equipment and can be used on either side of the paver
- Both dashboard and remote controls offer color displays and intuitive menus and functions
- Display symbols and images are easy to understand



### CONVENTIONAL CONTROL (AFT/AFW 400-2)

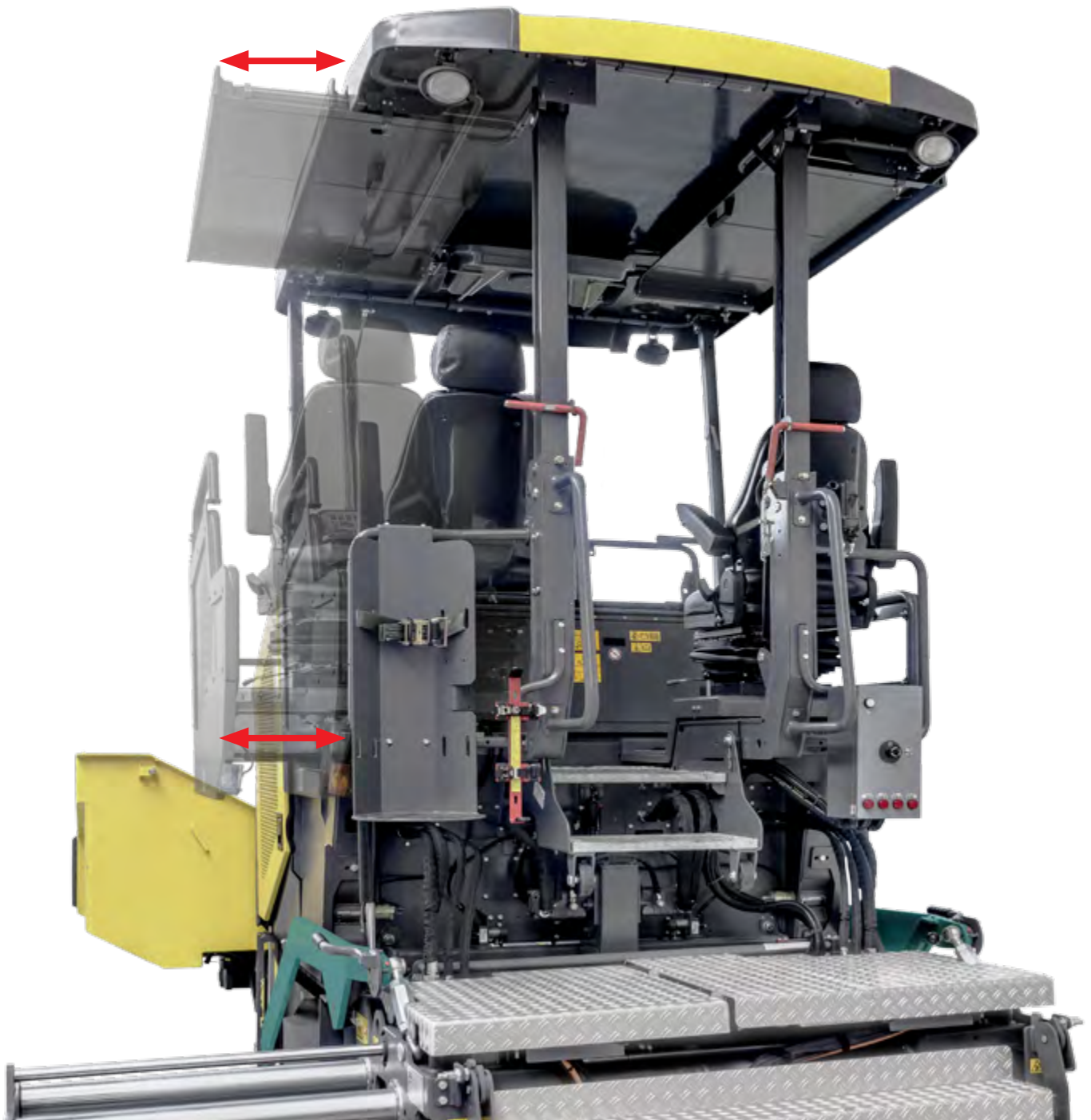
Conventional control utilises toggle switches and is simple to learn and implement.

- Easy and intuitive operation
- Conveniently located toggle switches
- Easy-to-learn electric system with simple maintenance
- All material-related functions in manual or automatic mode

## OPERATOR PLATFORM

A comfortable work environment is also a safe and productive work environment, too. The City Paver operator platform optimises visibility and ensures all key controls are easily accessible. The operating system is nearly identical to those of other Ammann pavers, making it easy and safe for operators to switch between models.

- Clear sight lines to all components
- Slidable and tiltable working stations
- Optional windshield





# POWER WHEN YOU NEED IT

## ENGINE, UNDERCARRIAGE KEY COMPONENTS

Pavers need engines that meet local emission standards and provide the necessary power, too.

Ammann City Pavers feature 54 kW engines that provide the necessary pull, whether utilising tracks or wheels, and meet Tier 3 or Tier 4 emissions standards. Ammann tracked pavers are built to grip, even in extremely difficult underfoot conditions.

Wheeled pavers offer added mobility and a tight turning radius for manoeuvrability.



## ENGINES

Deutz 54 kW engines are the power behind the Ammann AFT 400-2, AFW 400-2, AFT 400-3 and AFW 400-3 Asphalt Pavers. Highly advanced e-hydraulic controls provide efficiency. The engines are available to meet Tier 3 or Tier 4 standards.

- Insulated engine compartment for sound levels below 104 dB
- Hydraulically driven cooling system
- 10 hours of fuel tank autonomy

### Stage IIIA / T3 Engine

- Powerful and quiet
- Improved fuel efficiency and cold-start performance
- New cylinder block with deep crankcase for higher power and torque

### Stage IV / T4f Engine

- Superior lifetime value with higher fuel efficiency
- Reduced maintenance and longer service intervals
- Improved common-rail technology for enhanced performance
- No regeneration process is needed

## TRACK SYSTEM

Tracks with high pulling forces help Ammann City Pavers overcome the varied terrain that often is encountered in cities. The pavers provide manoeuvrability, too.

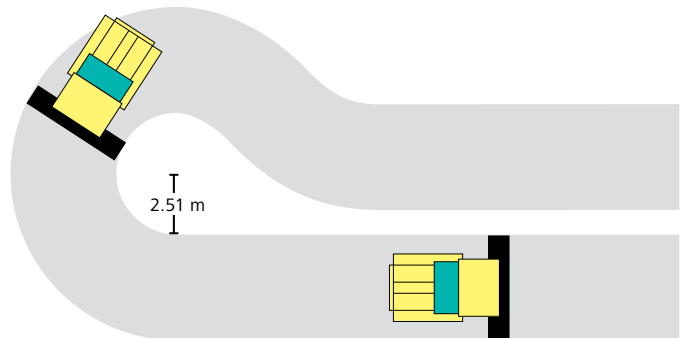
- Paving speed up to 25 metres per minute
- Travel speed up to 4 km per hour
- 2.09 metre axle track
- 260 mm track pads



## WHEEL DRIVE

The convenient wheel drive provides manoeuvrability that can be essential when paving tight city streets. The wheeled pavers also offer good travel speeds – helpful when working on street repairs.

- Paving speed up to 25 metres per minute
- Travel speed up to 15 km per hour
- Inner turning radius of 2.51 metres
- Rear wheel size of 385/65 R22.5



# SMOOTH, PRE-COMPACTED MATS

## SCREEDS

High performance screeds are essential to paving quality. You need a screed that leaves behind a consistent mat – even when working at its maximum width. Ammann City Paver screeds offer good sightlines to the entire working environment, helping screed operators monitor the process. LPG Gas and electric heating options ensure consistency, even at the start of a job. Pre-compaction is delivered through various tamping and vibrating options.

### THE V3500 SCREEDS

- Gas or electric heating
- Vibrating or tamper/vibration systems
- Basic width of 1.75 metres
- Hydraulically extendible to 3.5 metres with mechanical extensions to 4.7 metres
- Paving width of 0.7–4.7 metres with options
- Options include extensions, cutoff shoes, hydraulic crowning adjustment and heated side end gates



### ECCENTRIC FLEXILEVER

- Quickly and conveniently changes the angle of attack
- Offers visual confirmation of the angle of attack
- Adjustment made easy with one crank on each screed side

### HIGHEST PAVING QUALITY

- Dual-tube extension provides best-in-class stability, even at max. paving widths
- Slim end gates enable paving close to curbs and walls
- Easy adjustment of the angle of attack by Flexi Lever
- Extension boxes utilise patented quick-coupling system that reduces setup time
- Rubber mounted foot steps eliminate wear and reduces noise
- Low profile walk plates enable great view into auger compartment
- Side shields utilise integrated wiring



### SIMPLE SIDE SHIELD CONTROL

- Height and angle adjusted with a single crank
- Can be adjusted from behind the screed, keeping operators away from traffic
- Integrated wiring



## GAS OR ELECTRIC HEATING

- Fast heating time
- Improved insulation
- Precise temperature control
- Powerful generator
- Perfect heat distribution
- Heating coils for side shield and tamper

## AVAILABLE SCREEDS FOR CITY CLASS PAVERS

SCREED	HEATING SYSTEM	SCREED TYPE	STANDARD WORKING WIDTH	MAX. WORKING WIDTH			
				AFW 400-2	AFW 400-3	AFT 400-2	AFT 400-3
SV 3500 G	Gas (LPG)	Vibration screed	1750–3500 mm	4700 mm	4700 mm	4700 mm	4700 mm
SV 3500 E	Electric	Vibration screed	1750–3500 mm	4700 mm	4700 mm	4700 mm	4700 mm
STV 3500 G	Gas (LPG)	Tamper & vibration screed	1750–3500 mm	4700 mm	4700 mm	4700 mm	4700 mm
STV 3500 E	Electric	Tamper & vibration screed	1750–3500 mm	4700 mm	4700 mm	4700 mm	4700 mm

# SERVICE AND MAINTENANCE

## ENHANCE YOUR PERFORMANCE

Ammann pavers use high quality components for long life. The extended service intervals and the accessible service points make maintenance easy and maximise uptime. Efforts are taken to make the most of every shift, too – including the large fuel tanks that reduce stops.

### BUILT TO LAST

- Wear-resistant components
- Use of reliable, well-known suppliers

### EASY TRANSPORTATION

- Transport speed of 4 km/h (AFT) and 15 km/h (AFW)
- Transport dimensions of < 2.55 m with mounted extension boxes and screed end gates

### DAILY TIME SAVERS

- Large 73 litre fuel tank to reduce stops
- Easy access to maintenance and service points
- All-in-one box kits available for all models



# PARTS

## ALWAYS AVAILABLE

Ammann has taken steps to help ensure pavers are up and running – and stay that way. One key effort was a thorough analysis of critical paver components and their stocking levels to maximise parts availability. The analysis included an examination of parts utilisation around the world. Ammann experts looked at the machines, the components, the life of the parts and the applications among other factors. The result: You have the parts you need in a timely fashion.

## MAINTENANCE KITS

Maintenance kits are available when machines need more in-depth repairs that require them to be transported from the jobsite. The kits feature all parts, from the biggest components to the most tiny nuts and bolts, needed for a particular repair. The kits ensure you have everything when you need it, thereby preventing the absence of a tiny part from keeping a productive machine from working.

## EMERGENCY KITS

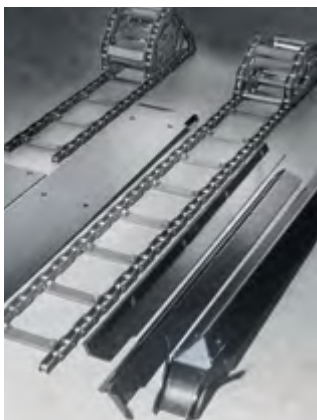
Emergency kits prevent little frustrations from becoming bigger issues that can shut down a machine and even a jobsite. These kits include parts such as switches and fuses that are simple and fast to change yet still can cause significant problems if not operating properly. The kits easily fit in the trunk or bed of a vehicle so they're on hand when needed.

## WEARING KITS

Pavers handle abrasive materials in demanding applications and some wear is inevitable. Wearing kits now make replacement of these parts efficient and cost-effective. As with the emergency kits, wearing kits include all the necessary parts – big and small – to ensure the paver's downtime is kept to a minimum.

### THE ADVANTAGES OF KITS

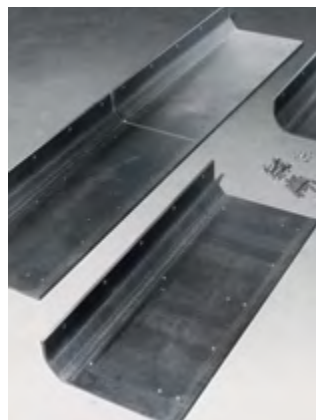
- Reduce downtime by ensuring that every part, big and small, is there when you need it
- Provide cost-savings, usually at least 10 percent, when compared with ordering parts individually
- Bring convenience by helping organise all the required parts for a specific repair or service
- Ensure you have parts that fit perfectly and protect your warranty
- Make ordering fast and easy by selecting a kit instead of multiple individual parts
- Ensure quick delivery times, when needed, through a variety of shipping options



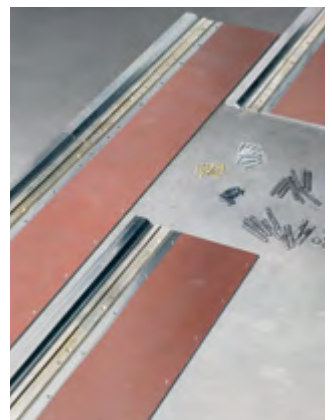
Conveyor belt



Auger wings



Screed bottom plate

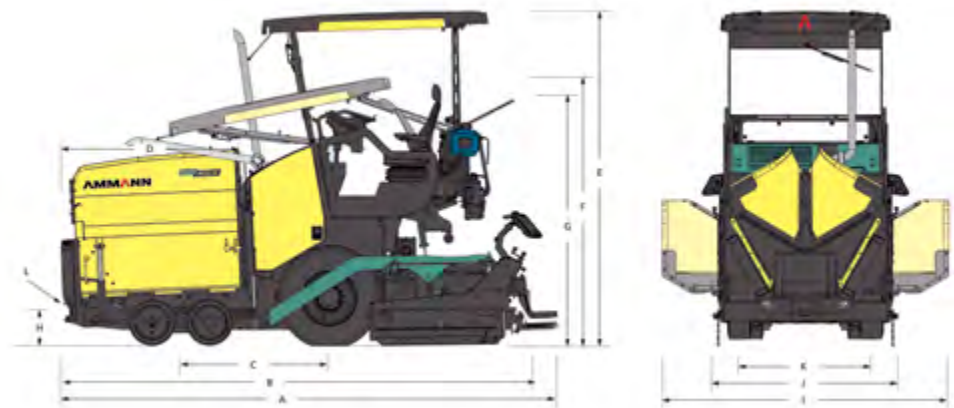


Screed tamper bar



# SPECIFICATIONS

AFW 400-2 / AFW 400-3



## WEIGHT & DIMENSIONS

WEIGHT (INCLUDING STANDARD SCREED)	10 300 kg
A MACHINE LENGTH	5022 mm
B TRANSPORT LENGTH	5022 mm
C TRACK LENGTH	1600 mm
D HOPPER LENGTH	1985 mm
E MACHINE HEIGHT	3360 mm
F TRANSPORT HEIGHT	2915 mm
G HEIGHT (W.O. CANOPY)	2400 mm
H MATERIAL LOADING HEIGHT	500 mm
I MACHINE, OPEN HOPPERS WIDTH	3148 mm
J TRANSPORT WIDTH	1800 mm
K TRACK GAUGE WIDTH	1451 mm
L MAX. APPROACH ANGLE	15° (front) / 13° (back)

## CAPACITY & PERFORMANCE

PLACEMENT THICKNESS	200 mm
THEORETICAL PAVING CAPACITY	350 t/h
PAVING SPEED (MAX.)	25 m/min
TRANSPORT SPEED (MAX)	15 km/h

## WHEEL DRIVE

	AFW 400-2	AFW 400-3
REAR WHEELS	Pneumatic tyres 2 × 385/65 R22.5	Pneumatic tyres 2 × 385/65 R22.5
FRONT WHEELS	Elastic, solid rubber tyres 4 × 492/260–378	Elastic, solid rubber tyres 4 × 492/260–378
TRACTION	2WD (2 × rear wheels)	4WD (2 × rear wheels, 2 × front wheels)
TURNING RADIUS	2510 mm (inside Radius)	2510 mm (inside Radius)

## MATERIAL FEEDING SYSTEM

HOPPER CAPACITY	10.5 t
HOPPER DUMPING HEIGHT CENTER (W. HOPPER FLAP)	500 mm
HOPPER WIDTH, INTERNAL	3050 mm
CONVEYOR TYPE	Dual bar feeder
CONVEYOR WIDTH	700 mm
CONVEYOR CONTROL	Aut. / Proportional paddles
AUGER DIAMETER	320 mm
AUGER CONTROL	Aut. / Ultrasonic sensors
AUGER HEIGHT ADJUSTMENT	200 mm (mechanical)

## ENGINE

ENGINE MODEL	Deutz TD 2.9 L4
RATED POWER @ 2200 RPM	54 kW
EMISSIONS	Stage IIIA (T3), IV (T4f)
ELECTRICAL SYSTEM	24 V
FUEL TANK CAPACITY	73 l

## OPERATOR STATION

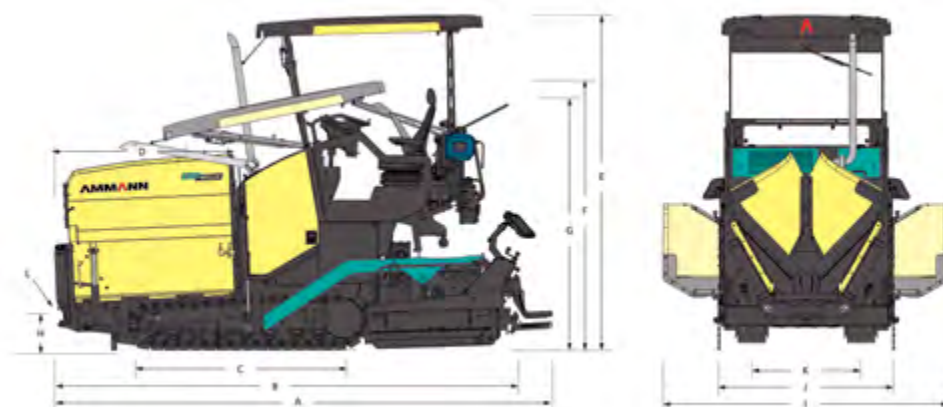
	AFW 400-2	AFW 400-3
OPERATOR CONSOLE	Slidable and tiltable control panel	Slidable and tiltable control panel
DASHBOARD	Conventional control	Pave Manager 2.0 (PLC)
PLATFORM	Slide out seat stations with pivotal seats	Slide out seat stations with pivotal seats
ROOF	Canopy with lights (optional)	Canopy with lights (optional)

## AVAILABLE SCREEDS

SCREED	HEATING SYSTEM	SCREED TYPE	STANDARD WORKING WIDTH	MAX. WORKING WIDTH	
				AFW 400-2	AFW 400-3
SV 3500 G	Gas (LPG)	Vibration screed	1750–3500 mm	4700 mm	4700 mm
SV 3500 E	Electric	Vibration screed	1750–3500 mm	4700 mm	4700 mm
STV 3500 G	Gas (LPG)	Tamper & vibration screed	1750–3500 mm	4700 mm	4700 mm
STV 3500 E	Electric	Tamper & vibration screed	1750–3500 mm	4700 mm	4700 mm

# SPECIFICATIONS

AFT 400-2 / AFT 400-3



## WEIGHT & DIMENSIONS

WEIGHT (INCLUDING STANDARD SCREED)	10500 kg
A MACHINE LENGTH	5022 mm
B TRANSPORT LENGTH	5022 mm
C TRACK LENGTH	2090 mm
D HOPPER LENGTH	1985 mm
E MACHINE HEIGHT	3360 mm
F TRANSPORT HEIGHT	2915 mm
G HEIGHT (W.O. CANOPY)	2400 mm
H MATERIAL LOADING HEIGHT	500 mm
I MACHINE, OPEN HOPPERS WIDTH	3148 mm
J TRANSPORT WIDTH	1800 mm
K TRACK GAUGE WIDTH	1200 mm
L MAX. APPROACH ANGLE	13°

## CAPACITY & PERFORMANCE

PLACEMENT THICKNESS (MAX.)	200 mm
THEORETICAL PAVING CAPACITY	350 t/h
PAVING SPEED (MAX.)	25 m/min
TRANSPORT SPEED (MAX)	4 km/h

## CRAWLER

CRAWLER LENGTH (AXLE TRACK)	2090 mm
CRAWLER WIDTH (PADS)	260 mm
FINAL DRIVE	Hydrostatic

## MATERIAL FEEDING SYSTEM

HOPPER CAPACITY	10.5 t
HOPPER DUMPING HEIGHT CENTER (W. HOPPER FLAP)	500 mm
HOPPER WIDTH, INTERNAL	3050 mm
CONVEYOR TYPE	Dual bar feeder
CONVEYOR WIDTH	700 mm
CONVEYOR CONTROL	Aut. / Proportional paddles
AUGER DIAMETER	320 mm
AUGER CONTROL	Aut. / Ultrasonic sensors
AUGER HEIGHT ADJUSTMENT	200 mm (mechanical)

## ENGINE

ENGINE MODEL	Deutz TD 2.9 L4
RATED POWER @ 2200 RPM	54 kW
EMISSIONS	Stage III(A (T3), IV (T4f))
ELECTRICAL SYSTEM	24 V
FUEL TANK CAPACITY	73 l

## OPERATOR STATION

	AFT 400-2	AFT 400-3
OPERATOR CONSOLE	Slidable and tiltable control panel	Slidable and tiltable control panel
DASHBOARD	Conventional control	Pave Manager 2.0 (PLC)
PLATFORM	Slide out seat stations with pivotable seats	Slide out seat stations with pivotable seats
ROOF	Canopy with lights (optional)	Canopy with lights (optional)

## AVAILABLE SCREEDS

SCREED	HEATING SYSTEM	SCREED TYPE	STANDARD WORKING WIDTH	MAX. WORKING WIDTH	
				AFT 400-2	AFT 400-3
SV 3500 G	Gas (LPG)	Vibration screed	1750–3500 mm	4700 mm	4700 mm
SV 3500 E	Electric	Vibration screed	1750–3500 mm	4700 mm	4700 mm
STV 3500 G	Gas (LPG)	Tamper & vibration screed	1750–3500 mm	4700 mm	4700 mm
STV 3500 E	Electric	Tamper & vibration screed	1750–3500 mm	4700 mm	4700 mm

For additional product information  
and services please visit:  
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