

MACHINES

LARGE PAVER CLASS CLASSIC

AFW 600-2, AFW 700-2
AFT 600-2, AFT 700-2



AMMANN

LARGE, CLASSIC ASPHALT PAVERS

Ammann Large, Classic Pavers with conventional controls offer high quality and simplicity. The conventional electric controls, combined with high quality screeds, provide exceptional productivity. The pavers feature an efficient drive concept, best-in-class operator comfort and ease of service for additional time saving.



AFW 600-2

WEIGHT: 17 500 kg
ENGINE POWER: 110 kW
BASIC WORKING WIDTH: 2550–5100 mm
MAX. PAVING WIDTH: 6600 mm

The AFW 600-2 is a wheeled paver with a conventional control system that is easy to operate and maintain.

- 110 kW of engine power
- Powerful rear-wheel drive (2WD)
- Inner turning circle of 2.4 metres (outside radius 6.1 m)
- Paving capacity of 650 tonnes per hour
- High quality vario screed with tamper/vibration system
- Gas (LPG) screed heating
- Maximum working width of 6.6 metres



AFW 700-2

WEIGHT: 17 500 kg
ENGINE POWER: 129 kW
BASIC WORKING WIDTH: 2550–5100 mm
MAX. PAVING WIDTH: 6600 mm

The AFW 700-2 is a wheeled paver with a conventional control system that is easy to operate and maintain. It features a stronger engine and the option for front wheel drive to extend the paving power

- 129 kW of engine power
- 4 WD (2 rear and 2 front wheels)
- Inner turning circle of 2.4 metres (outside radius 6.1 m)
- Paving capacity of 650 tonnes per hour
- High quality vario screed with tamper/vibration system
- Gas (LPG) or electric screed heating
- Maximum working width of 6.6 metres

HIGHLIGHTS

- Classic, intuitive operator panels
- Cummins QSB 6.7 litre water-cooled diesel engine (Tier 3)
- Tracked or wheeled versions
- Low centre of gravity and good balance
- Vibrating or tamping/vibrating screeds
- Choice of electric- or LPG-heated screeds on AFW/AFT 700-2



AFT 600-2

WEIGHT: 18 000 kg

ENGINE POWER: 110 kW

BASIC WORKING WIDTH: 2550–5100 mm

MAX. PAVING WIDTH: 8100 mm

The AFT 600-2 is a tracked paver with a conventional control system that is easy to operate and maintain.

- 110 kW of engine power
- 320 mm track pads for optimal grip and ground contact
- Paving capacity of 650 tonnes per hour
- High quality vario screed with tamper/vibration system
- Gas (LPG) screed heating
- Maximum working width of 8.1 metres



AFT 700-2

WEIGHT: 18 000 kg

ENGINE POWER: 129 kW

BASIC WORKING WIDTH: 2550–5100 mm

MAX. PAVING WIDTH: 9000 mm

The AFT 700-2 is a tracked paver with a conventional control system that is easy to operate and maintain. Additional engine power and large maximum working width grant highest productivity and allows the use of screeds with larger widths.

- 129 kW of engine power
- 320 mm track pads for optimal grip and ground contact
- Paving capacity of 750 tonnes per hour
- High quality vario screed with tamper/vibration system
- Gas (LPG) or electric screed heating
- Maximum working width of 9 metres

MANOEUVRABLE AND PRODUCTIVE

Ammann Large, Classic Pavers with conventional controls offer the capacity necessary on paving projects where production is essential. The pavers often work in urban settings, and their compact design provides the manoeuvrability required in such areas.

WHEELS OR TRACKS

Wheeled pavers provide a tight turning radius and excellent mobility, while tracked pavers have exceptional grip that helps them excel on difficult terrains and surfaces.

CONVENTIONAL AND RELIABLE

The large pavers with conventional controls are productive machines, with easy to use control units. The models are only available with Tier 3 engines.

APPLICATIONS

- National roads
- Highways
- Country roads
- City/municipal streets
- Building lots
- Large squares and courtyards





YOUR BENEFITS AT A GLANCE

WHAT SETS THE LARGE,
CLASSIC PAVER CLASS FROM
AMMANN APART?

WORKING LIGHTS

Visibility is enhanced with integrated lights for the front, rear and auger compartment.

HIGH-CAPACITY HOPPER

The large hopper features separately controlled wings and a low dumping height for trucks. Rounded corners prevent mix from sticking.

MATERIAL FLOW

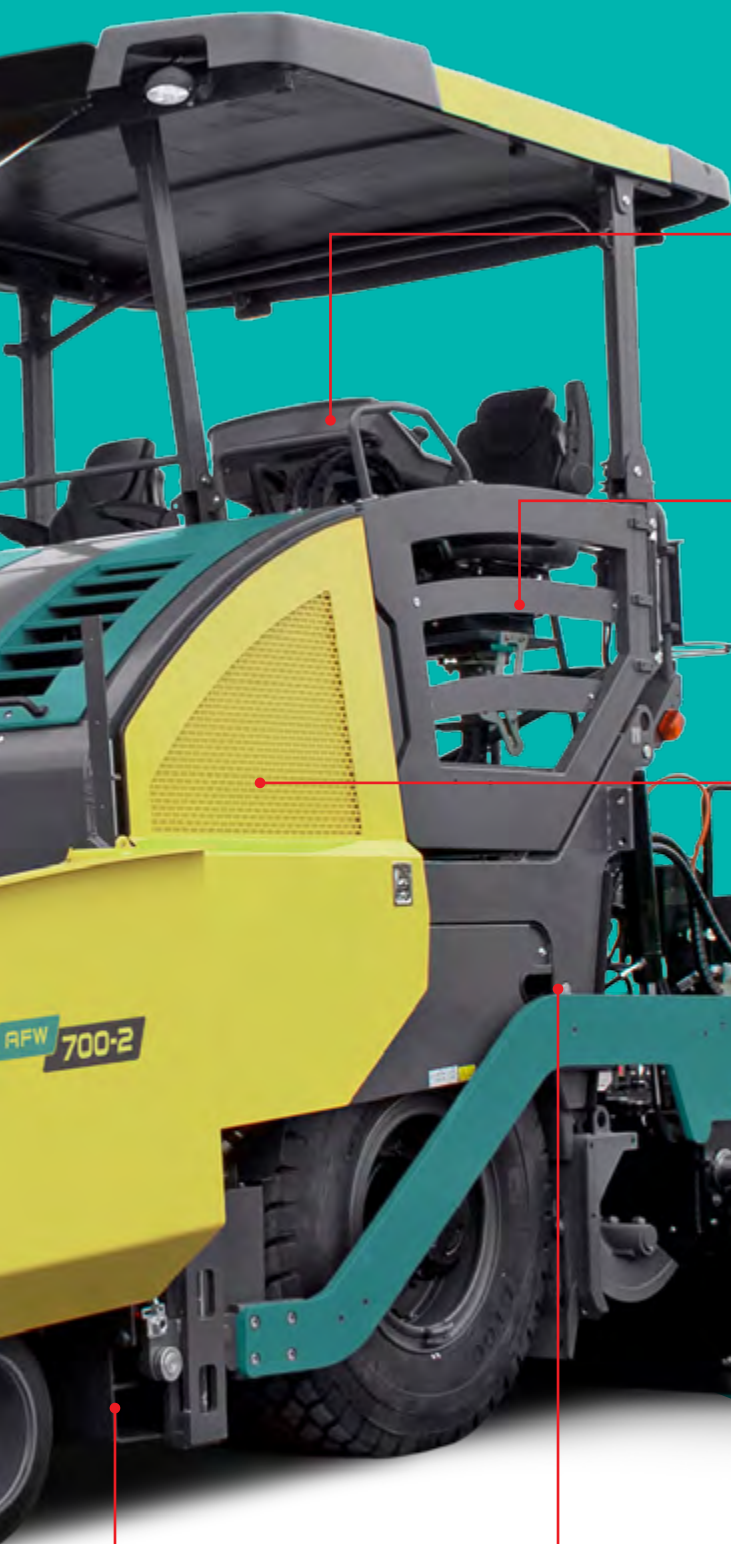
A fully automated conveying system enables consistent flow and minimises segregation.

PUSH ROLLERS

Oscillating push rollers reduce the impact of truck connections.

WHEELS

Rear-wheel drive, or 4WD on AFW 700-2, provides power. The wheelbase of 2.24 metres enables an inner turning radius of 2.4 metres.



CONVENTIONAL CONTROL

The intuitive, easy-to-operate control system utilises toggle switches.

OPERATOR PLATFORM

Comfort and visibility are optimised through ergonomic seats, an adjustable operator console and an extendible roof.

THERMOSTATIC CONTROL

The large cooler and the thermally controlled fan eliminate the risk of overheating the engine and the hydraulic system.

SAFE TRANSPORT

Tow arms utilise simple, manually operating locking cylinders for safe transportation.

GRIPPING TRACKS

Traction is enhanced through wide tracks, thick paver track pads that give great ground contact.

SCREED

Separate leveling remote control. Flexi Lever offers quick and convenient changes of the angle of attack.

STEPS TOWARD SMOOTHNESS

MATERIAL FEEDING SYSTEM

Smooth paving is a process with many steps, including material feeding. Ammann Large, Classic Pavers feature efficient and consistent material feeding that ensures proper auger coverage and mix distribution throughout the screed at all time.



MATERIAL CONVEYOR

The twin conveyor system ensures material flows consistently from the hopper, so productivity and quality goals can be achieved.

- Wide material tunnel to optimise flow and limit segregation
- Twin conveyor system
- High-capacity kit for thick and wide layers (AFT 700-2)
- Individual front tensioner
- Proportional speed control



AUGER SYSTEM

Consistent auger distribution of material across the screed is essential to placing a quality mat with minimal segregation.

- Left and right augers reversible with independent drives
- High torque
- Proportional speed control by sonic sensors
- 380 mm flight size
- Mechanical height adjustment of 250 mm
- Slim gearbox to minimise segregation



MATERIAL HOPPER

The hopper is designed to reduce spilling during connections between the paver and the lorries. It is also designed to maximise flow and minimise segregation. The result: improved quality in the form of smoother mats.

- Low dumping height
- Separately controlled wings with solid rubber flaps
- Rounded corners to prevent cold material sticking

WORKING WITH COMFORT

OPERATOR PLATFORM

Ammann Large, Classic Pavers with conventional controls provide 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 and screed – and even make eye contact with truck drivers, too.

CONVENTIONAL CONTROLS

The conventional control system utilises toggle switches and is simple to learn and implement. Toggle switch replacement is quick and inexpensive.

- Easy and intuitive operation
- Toggle switches grouped by frequency of use
- Easy-to-learn system with simple maintenance
- All material-related functions in manual or automatic modes

OPERATOR OVERVIEW

Visibility is key for the operator to reach the requested output and quality. The large, classic pavers from Ammann support all operator efforts.

- Slidable and comfortable operator station and seat
- Great view to all work areas during the paving process
- Low noise level at operator station



POWER WHEN YOU NEED IT

ENGINE, UNDERCARRIAGE KEY COMPONENTS

Ammann Large, Classic Pavers with conventional controls provide the power.

Tracked pavers combine power with optimal traction, even when working on difficult surfaces.

Wheeled pavers combine that power with added manoeuvrability.

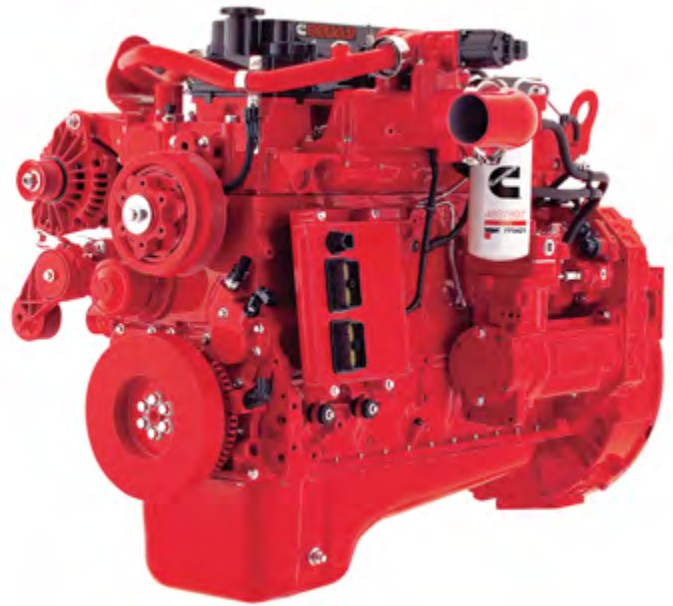
ENGINE

A Cummins QSB 6.7 litre, water-cooled engine is the power inside the Ammann AFT 600-2, AFW 600-2, AFT 700-2 and AFW 700-2. The engine drives an efficient hydraulic system, with power transfer through a split gearbox.

- Tier 3 / Stage IIIA emissions standards
- High torque
- Fuel efficiency
- High fuel tank capacity
- Efficient cooling system to eliminates the risk of overheating the engine and the hydraulic system

ADJUSTABLE RPM

- Stepless adjustable engine RPM to meat the jobsite requirements
- Reduced paving costs
- Lower noise level
- Increased engine life





TRACKED PAVERS

Tracks help Ammann Large Pavers with conventional controls overcome challenging terrain and provide the grip needed when paving large widths. The tracks are powered by hydraulic motors with planetary gears for high torque, assuring great traction forces. Track motors feature an automatic flow control system to maintain a straight drive.

- 320 mm track pads for ground contact and grip
- Pads designed for paving applications with thick rubber for long life
- Improved manoeuvrability in curves through the high number of rollers inside the tracks
- Independent drive on each track for 360° turns
- Low-profile tracks with hydraulic tensioning and optimised suspension for more traction and rigidity



WHEELED PAVERS

Wheels provide manoeuvrability that's useful when paving in tighter spaces. The wheeled pavers also offer good production when working in open areas. The hydrostatic drive system offers smooth movement. Hydrostatic brakes ensure secure and smooth control while driving and a multidisk brake secures the machine in park mode.

- Rear-wheel drive on AFW 600-2
- 4 WD (2 back and 2 front wheels) drive on AFW 700-2
- Low-profile tyres for ground contact and traction
- Asymmetric, suspended axle for ground contact in uneven conditions
- Inner turning radius of 2.4 metres for great manoeuvrability

SMOOTH, PRE-COMPACTED MATS

AMMANN SCREEDS

The Ammann screeds available for the large pavers provide superior stability through the 4-tube guiding principle. The screeds leave behind a consistent mat – even when working at maximum width. Rubber mountings on the screed platform limit noise and make communication and operation easier.

4-TUBE PRINCIPLE

The high stability of the Ammann screeds is due to the 4-Tube principle design. These four tubes allow wide working widths without the need of any supporting rods. This makes the setup of the screed easier and saves time when preparing the paver for large working widths.



ECCENTRIC FLEXI LEVER

- Quickly and conveniently change of the angle of attack
- Offers visual control of screed settings
- Adjustment made with a simple lever



SIDE SHIELD CONTROL

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

HIGHLIGHTS

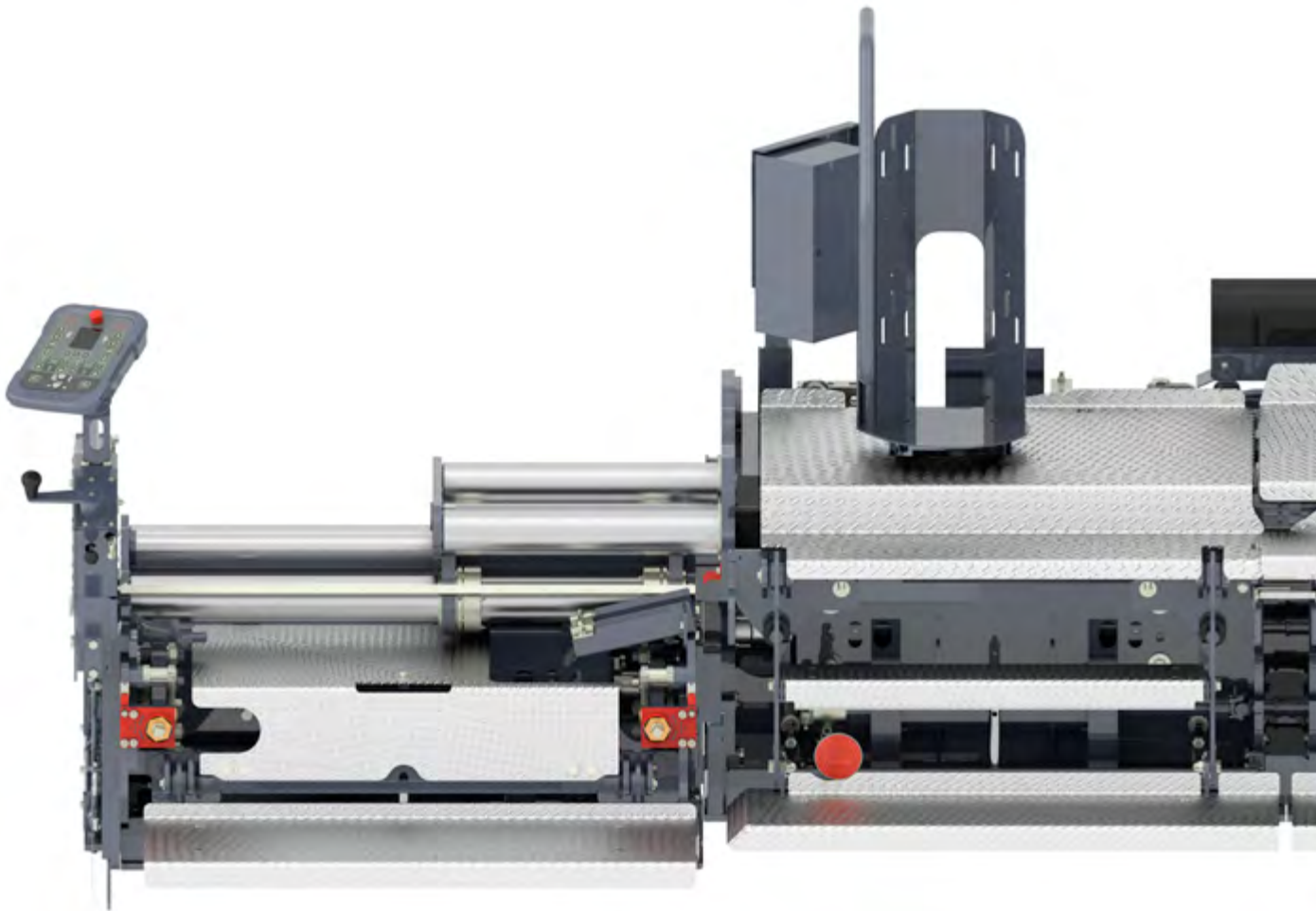
- Four guiding tubes offer unmatched screed stability
- Easy assembly helps crews get to work quickly
- No supporting rods required – even at wide widths
- Slim end gates enable paving close to curbs and walls
- Height and angle of side shield can be adjusted with a single crank
- Extension boxes utilise patented quick-coupling system that reduces setup time
- Rubber mountings eliminate wear and reduce noise
- Low low height of the screed enables superior view into auger compartment and provides easy and safe access

SCREED HEATING

Ammann screeds feature gas (LPG) or electric heating systems, leaving the choice of the preferred system up to the customer. Electric heated screeds feature high quality insulations and powerful generator to reduce heat-up times. Well designed heating coils for the bottom plates and tampers grant a well distributed heat over the full length of the screed. Gas heated screeds feature a fast heat-up time that reach target temperatures quickly.

AVAILABLE SCREEDS FOR LARGE, CLASSIC PAVER CLASS

SCREED	HEATING SYSTEM	SCREED TYPE	STANDARD WORKING WIDTH	MAX. WORKING WIDTH			
				AFW 600-2	AFW 700-2	AFT 600-2	AFT 700-2
STV 5100 G	Gas (LPG)	Tamper & vibration screed	2550–5100 mm	6600 mm	6600 mm	8100 mm	8800 mm
STV 5100 E	Electric	Tamper & vibration screed	2550–5100 mm	–	6600 mm	–	8800 mm
STV 6000 G	Gas (LPG)	Tamper & vibration screed	3000–6000 mm	–	–	–	9000 mm
STV 6000 E	Electric	Tamper & vibration screed	3000–6000 mm	–	–	–	9000 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

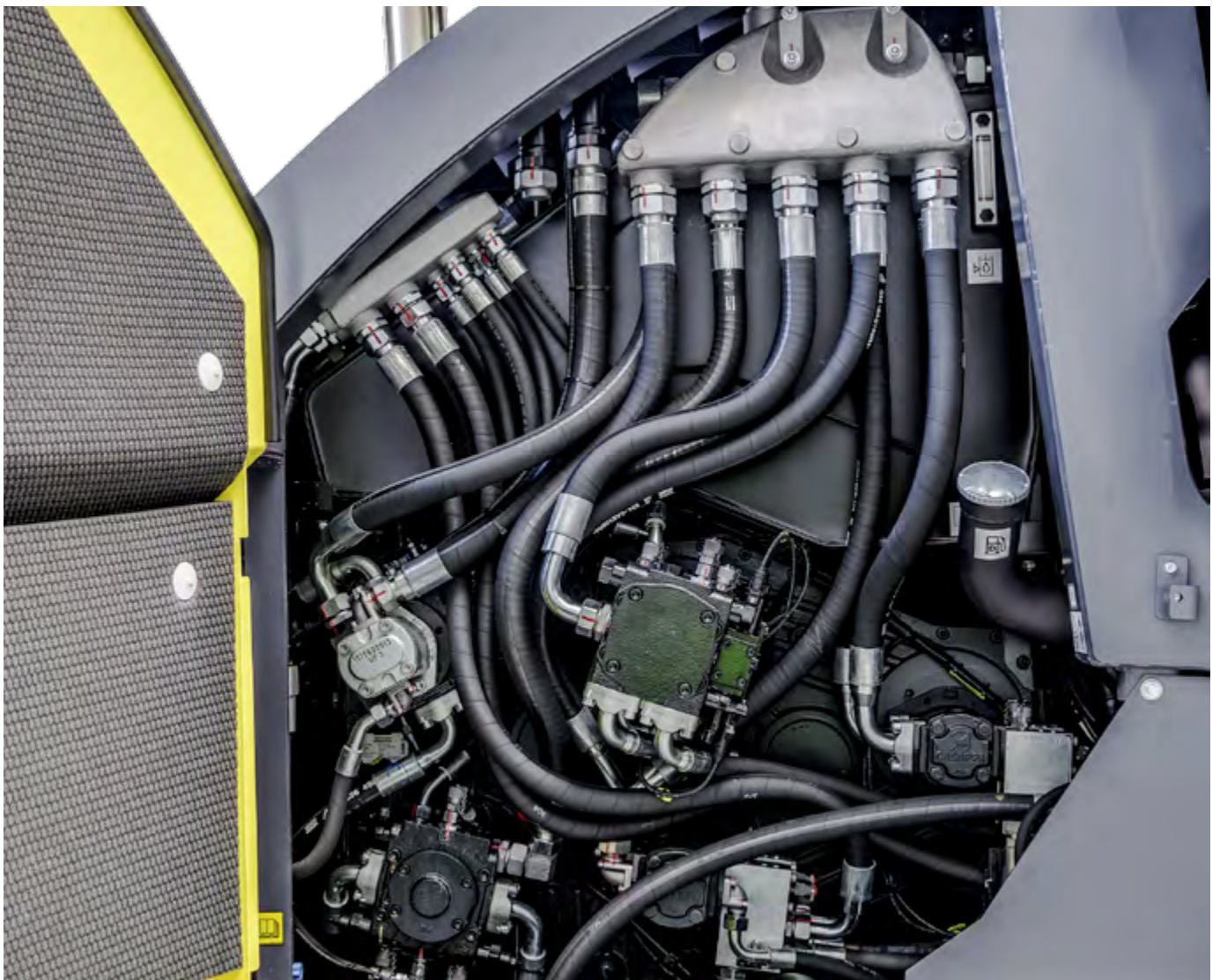
- Wear-resistant components
- Use of reliable, well-known suppliers

EASY TRANSPORTATION

- Transport speed of 4.0 km/h
- Compact dimensions
- High manoeuvrability
- Safe and easy locking system for screed arms and hoppers

DAILY TIME SAVERS

- Large fuel tank to reduce stops
- Easy access to maintenance and service points
- Track tensioning accomplished externally with grease gun



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 smallest 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

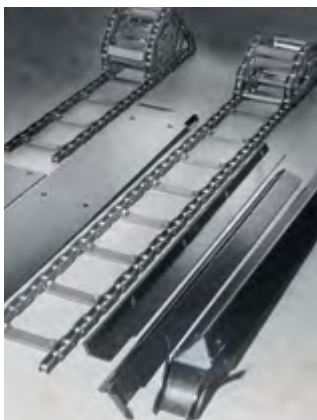
Emergency kits prevent little frustrations from becoming bigger issues that can shut down a machine and even a jobsite. These kits include parts such as switches and fuses that are simple and fast to change yet still can cause significant problems if not operating properly. The kits easily fit in the 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

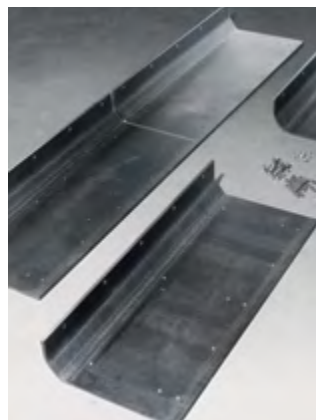
- Reduce downtime by ensuring that every part, big and small, is there when you need it
- Provide cost-savings, usually at least 10 percent, when compared with ordering parts individually
- Bring convenience by helping organise all the required parts for a specific repair or service
- Ensure you have 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



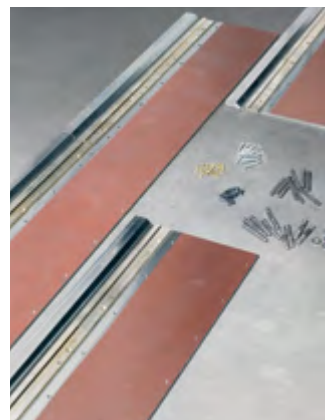
Conveyor belt



Auger wings



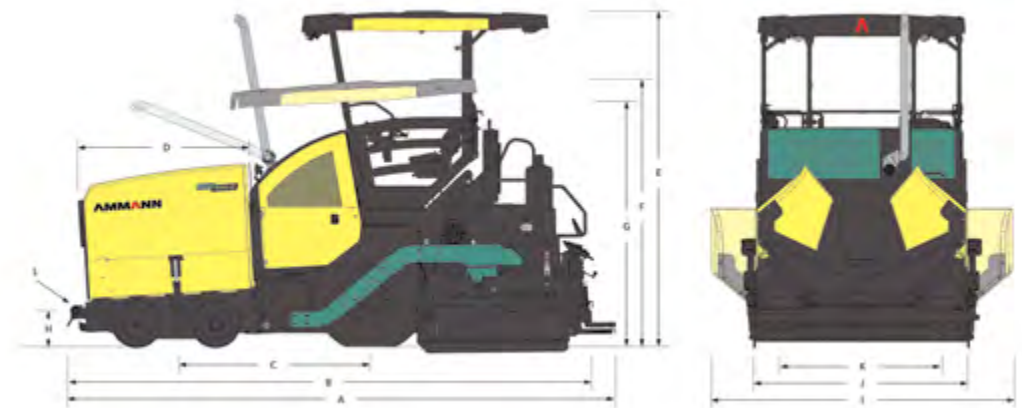
Screed bottom plate



Screed tamper bar

SPECIFICATIONS

AFW 600-2 / AFW 700-2



WEIGHT & DIMENSIONS

WEIGHT (INCLUDING STANDARD SCREED)	17500 kg
A MACHINE LENGTH	6380 mm
B TRANSPORT LENGTH	6100 mm
C TRACK LENGTH	2240 mm
D HOPPER LENGTH	2125 mm
E MACHINE HEIGHT	3900 mm
F TRANSPORT HEIGHT	3100 mm
G HEIGHT (W.O. CANOPY)	2845 mm
H MATERIAL LOADING HEIGHT	495 mm
I MACHINE, OPEN HOPPERS WIDTH	3250 mm
J TRANSPORT WIDTH	2550 mm
K TRACK GAUGE WIDTH	2055 mm
L MAX. APPROACH ANGLE	17° (front) / 16° (back)

CAPACITY & PERFORMANCE

PLACEMENT THICKNESS	300 mm
THEORETICAL PAVING CAPACITY	650 t/h
PAVING SPEED (MAX.)	30 m/min
TRANSPORT SPEED (MAX.)	15 km/h

WHEEL DRIVE

	AFW 600-2	AFW 700-2
REAR WHEELS	Pneumatic tyres 2 × 445 / 80 R25	Pneumatic tyres 2 × 445 / 80 R25
FRONT WHEELS	Elastic, solid rubber tyres 4 × 560 / 300-390	Elastic, solid rubber tyres 4 × 560 / 300-390
TRACTION	2WD (2 × rear wheels)	4WD (2 × rear wheels, 2 × front wheels)
TURNING RADIUS	2477 mm (inside Radius) 6065 mm (outside Radius)	2477 mm (inside Radius) 6065 mm (outside Radius)

MATERIAL FEEDING SYSTEM

HOPPER CAPACITY	13 t
HOPPER DUMPING HEIGHT CENTER (W. HOPPER FLAP)	575 mm
HOPPER WIDTH, INTERNAL	3140 mm
CONVEYOR TYPE	Dual bar feeder
CONVEYOR WIDTH	2 × 580 mm
CONVEYOR CONTROL	Automatic with limit switches
AUGER DIAMETER	380 mm
AUGER CONTROL	Automatic with ultrasonic sensors
AUGER HEIGHT ADJUSTMENT	250 mm (mechanical)

ENGINE

ENGINE MODEL	Cummins QSB 6.7 - C173
RATED POWER @ 2200 RPM	110 kW
EMISSIONS	Stage IIIA (T3)
ELECTRICAL SYSTEM	24 V
FUEL TANK CAPACITY	315 l

OPERATOR STATION

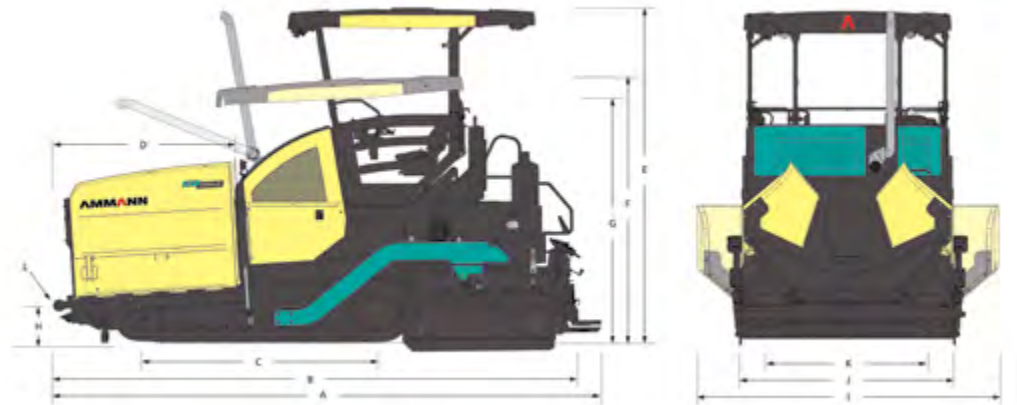
OPERATOR CONSOLE	Slidable and tiltable control console, adjustable to any position
DASHBOARD	Conventional electronic control
PLATFORM	Adjustable and swingable seats
ROOF	Canopy with integrated working lights

AVAILABLE SCREEDS

SCREED	HEATING SYSTEM	SCREED TYPE	STANDARD WORKING WIDTH	MAX. WORKING WIDTH	
				AFW 600-2	AFW 700-2
STV 5100 G	Gas (LPG)	Tamper & vibration screed	2550-5100 mm	6600 mm	6600 mm
STV 5100 E	Electric	Tamper & vibration screed	2550-5100 mm	-	6600 mm

SPECIFICATIONS

AFT 600-2 / AFT 700-2



WEIGHT & DIMENSIONS

WEIGHT (INCLUDING STANDARD SCREED)	18 000 kg
A MACHINE LENGTH	6400 mm
B TRANSPORT LENGTH	6145 mm
C TRACK LENGTH	2900 mm
D HOPPER LENGTH	2125 mm
E MACHINE HEIGHT	3900 mm
F TRANSPORT HEIGHT	3100 mm
G HEIGHT (W.O. CANOPY)	2845 mm
H MATERIAL LOADING HEIGHT	492 mm
I MACHINE, OPEN HOPPERS WIDTH	3400 mm
J TRANSPORT WIDTH	2550 mm
K TRACK GAUGE WIDTH	1990 mm
L MAX. APPROACH ANGLE	15°

CAPACITY & PERFORMANCE

PLACEMENT THICKNESS (MAX.)	310 mm
THEORETICAL PAVING CAPACITY	650 t/h
PAVING SPEED (MAX.)	30 m/min
TRANSPORT SPEED (MAX.)	4 km/h

CRAWLER

CRAWLER LENGTH (AXLE TRACK)	2900 mm
CRAWLER WIDTH (PADS)	320 mm
FINAL DRIVE	Hydrostatic

MATERIAL FEEDING SYSTEM

HOPPER CAPACITY	13 t
HOPPER DUMPING HEIGHT CENTER (W. HOPPER FLAP)	555 mm
HOPPER WIDTH, INTERNAL	3292 mm
CONVEYOR TYPE	Dual bar feeder
CONVEYOR WIDTH	2 × 655 mm
CONVEYOR CONTROL	Automatic with limit switches
AUGER DIAMETER	380 mm
AUGER CONTROL	Automatic with ultrasonic sensors
AUGER HEIGHT ADJUSTMENT	250 mm (mechanical)

ENGINE

	AFT 600-2	AFT 600-3
ENGINE MODEL	Cummins QSB 6.7 - C173	Cummins QSB 6.7 - C173
RATED POWER @ 2200 RPM	110 kW	129 kW
EMISSIONS	Stage IIIA (T3)	Stage IIIA (T3)
ELECTRICAL SYSTEM	24 V	24 V
FUEL TANK CAPACITY	320 l	320 l

OPERATOR STATION

OPERATOR CONSOLE	Slidable and tiltable control console, adjustable to any position
DASHBOARD	Conventional electronic control
PLATFORM	Adjustable and swingable seats
ROOF	Canopy with integrated working lights

AVAILABLE SCREEDS

SCREED	HEATING SYSTEM	SCREED TYPE	STANDARD WORKING WIDTH	MAX. WORKING WIDTH	
				AFT 600-2	AFT 700-2
STV 5100 G	Gas (LPG)	Tamper & vibration screed	2550–5100 mm	8100 mm	8800 mm
STV 5100 E	Electric	Tamper & vibration screed	2550–5100 mm	–	8800 mm
STV 6000 G	Gas (LPG)	Tamper & vibration screed	3000–6000 mm	–	9000 mm
STV 6000 E	Electric	Tamper & vibration screed	3000–6000 mm	–	9000 mm





For additional product information
and services please visit:
www.ammann-group.com

