

MACHINES

# COMPACT PAVER CLASS

AFT 200-2

AFT 300-2

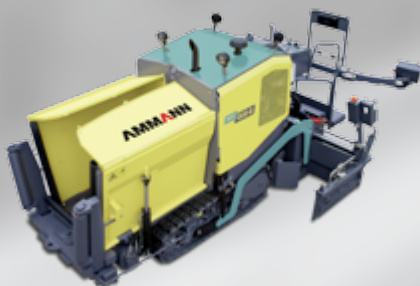


**AMMANN**

# COMPACT AND POWERFUL

## SMART DESIGN KEY TO COMPACT PAVER CLASS

Ammann AFT 200-2 and AFT 300-2 Asphalt Pavers offer an abundance of production in a small package. These tracked pavers are the world's most compact in their size class. That means easy transport to jobsites – and an ability to tackle a wide range of projects upon arrival. Dependability is exceptional, reliability and operator safety were among the main objectives in the development of these machines.



### AFT 200-2

WEIGHT: 5900 kg

ENGINE POWER: 49 kW

BASIC WORKING WIDTH: 1200–2400 mm

MAX. PAVING WIDTH: 3100 mm

The AFT 200-2 fits into tight spaces and is the world's most compact paver in its size class.

- Powered by a 4-cylinder, 49 kW Deutz engine
- Utilises a vibrating screed



### AFT 300-2

WEIGHT: 5800 kg

ENGINE POWER: 54 kW

BASIC WORKING WIDTH: 1200–2400 mm

MAX. PAVING WIDTH: 3100 mm

The AFT 300-2 provides all the benefits of the AFT 200-2 but with an extra power boost and a tamper/vibration screed too.

- Utilises a 4-cylinder, 54 kW Deutz engine, which offers 5 kW more than the AFT 200-2
- Features a tamping and vibrating screed for best precompaction results

## HIGHLIGHTS

- Theoretical paving capacity of 300 tonnes per hour
- Maximum paving width of 3.1 metres
- Electric- or gas heating for screeds
- Vibration screeds (AFT 200-2) and tamper/vibration screeds (AFT 300-2)
- High quality components
- Excellent visibility from the operator platform
- Modern design
- Material hopper with capacity of 5 tonnes
- Low centre of gravity and wide tracks for optimal traction

# FLEXIBILITY FOR CHANGING JOBSITES

Conditions can change dramatically when going from one jobsite to the next. That includes the conditions beneath the paver as well as paving width requirements. The Compact paver class from Ammann is built for these kind of challenges. The machines's flexibility allows a wide range of applications and makes it easy to be productive when changing from one jobsite to the next.

## APPLICATIONS

- Footpaths
- Cycling tracks
- Trenches
- Narrow roads
- Parking lots
- Property entrances

## MACHINE DIMENSIONS

The compact paver is built to fit into tight spaces – and to make transport easy, too. Its low height means it can even be used for indoor applications.

- Machine length less than 4.4 metres
- Machine width of 1.2 metres
- Height of less than 2 metres

## WORKING WIDTHS

Sometimes crews need to have screeds extended, other times the jobsite calls for very narrow alleys. The AFT 200-2 and AFT 300-2 can deliver on both counts.

- Maximum width of 3.1 metres
- Reduction shoes enable paving below 1.2 metres
- Minimum paving width of 0.3 metres
  - Symmetric paving ranges from 0.6–1.2 metres
  - Asymmetric paving ranges from 0.3–1.2 metres

## HELP FROM THE HOPPER

The pavers can work in tight spaces and still handle high output thanks to their 5 tonnes hopper capacity.

- Hydraulically controlled hopper wings with easily adjustable settings ensure the machine is used to its full potential
- Pivoting push rollers can be mechanically extended by 100 mm to match the truck size
- The push rollers are raised automatically with the hopper wings when working in confined areas
- An optional hydraulic front hopper flap reduces material spillage and handwork when clearing the hopper



# YOUR BENEFITS AT A GLANCE

WHAT SETS THE COMPACT PAVER CLASS FROM AMMANN APART?

## ERGONOMICS

Low height and compact dimensions facilitate exceptional views to the hopper and all working areas. The operator panel is logically and intuitively arranged.

## SUSTAINABLE DRIVE CONCEPT

The pavers feature the latest technology and offer 4 cylinder Deutz engines that meet Stage IIIA or IIIB standards.

## ECOMODE

A variably controlled EcoMode system allows the optimal engine speed to be set for the jobsite.

## ADJUSTABLE PUSH ROLLERS

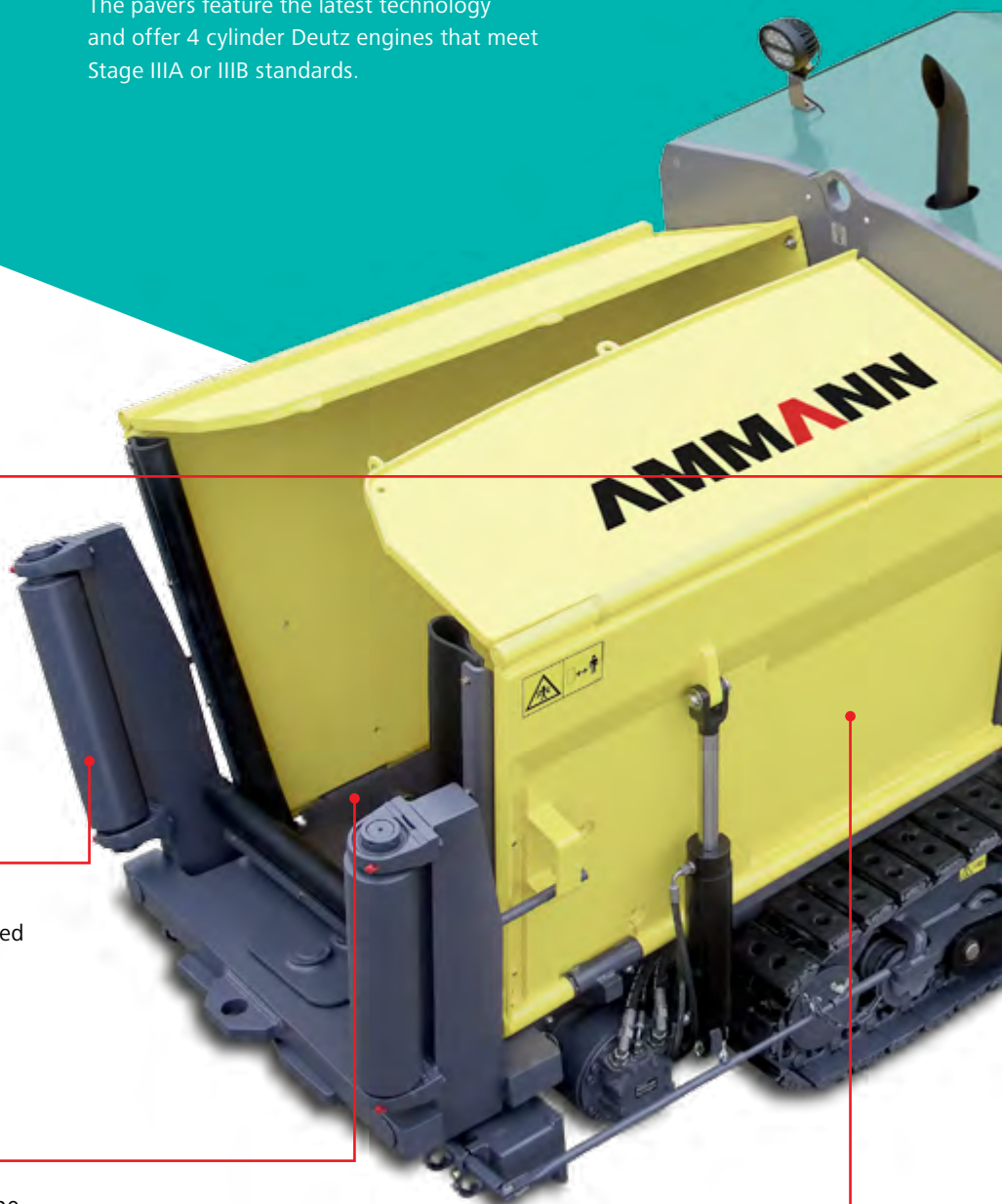
The pivoting push rollers can be extended by 100 mm for flexible truck docking.

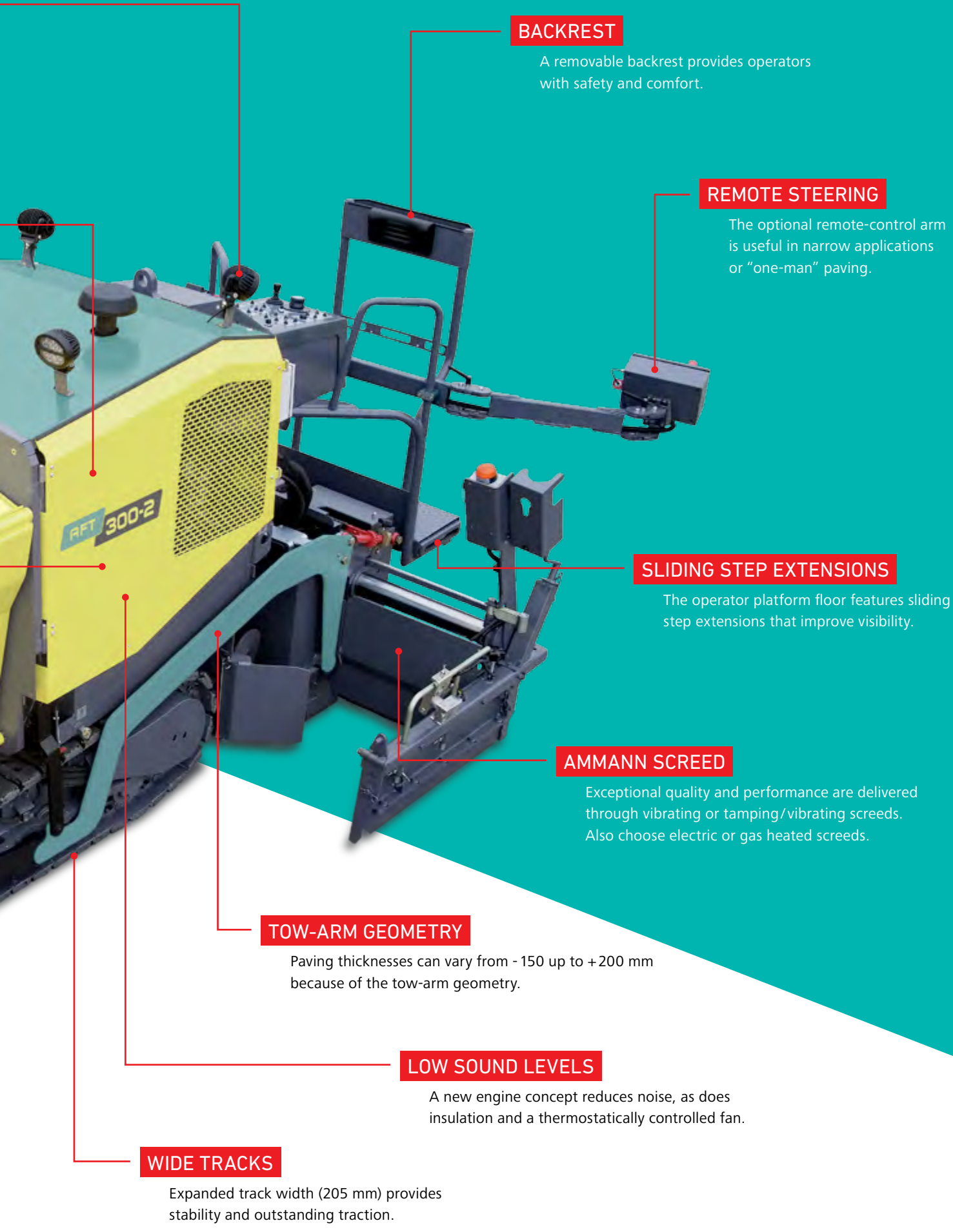
## SMOOTH MATERIAL FLOW

A high-capacity conveyor with a 320 mm auger ensures smooth material flow with minimal segregation.

## COMPACT DIMENSIONS

The pavers are the most compact in their size class, with a basic width of 1.2 metres and a length of only 4.4 metres.





**BACKREST**

A removable backrest provides operators with safety and comfort.

**REMOTE STEERING**

The optional remote-control arm is useful in narrow applications or "one-man" paving.

**SLIDING STEP EXTENSIONS**

The operator platform floor features sliding step extensions that improve visibility.

**AMMANN SCREED**

Exceptional quality and performance are delivered through vibrating or tamping/vibrating screeds. Also choose electric or gas heated screeds.

**TOW-ARM GEOMETRY**

Paving thicknesses can vary from - 150 up to +200 mm because of the tow-arm geometry.

**LOW SOUND LEVELS**

A new engine concept reduces noise, as does insulation and a thermostatically controlled fan.

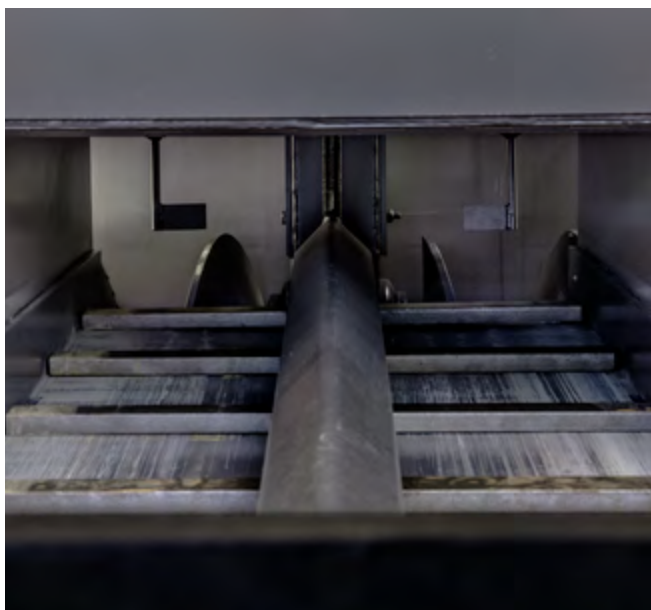
**WIDE TRACKS**

Expanded track width (205 mm) provides stability and outstanding traction.

# COMBINING FORCES

## MATERIAL FEEDING SYSTEM

How does a crew deliver quality – while maintain productivity goals, too? It starts with a material feeding system that minimises segregation. Also essential is an auger that can be adjusted to enhance material flow. Finally, Ammann's Compact Paver class gives the operator precise control of all key functions.



### MATERIAL CONVEYOR

The fully automated material feeding systems of the AFT 200-2 and AFT 300-2 ensure quality results. A variety of features reduce segregation and enhance productivity.

- Large feeding capacity of up to 300 tonnes per hour
- 620 mm material tunnel
- A divided conveyor with single-drive system to guide flow during asymmetrical paving by covering one side
- Material flow is controlled by mechanical sensors



### AUGER SYSTEM

Productive pavers need powerful augers that optimise flow. The AFT 200-2 and AFT 300-2 utilise a strong auger system that includes a large diameter auger and central drive to bring stability and facilitate the material flow.

- Large auger diameter of 320 mm
- Left and right sides separately controlled and reversible
- Ultrasonic sensor control for precise material monitoring
- Auger height adjustable by 150 mm (mechanical)
- Quick refill function of the auger compartment via a single control on the dashboard

### MINIMUM WORKING WIDTH

The machines allow paving widths from 3100 mm to 300 mm. To reach widths below 1200 mm (basic screed width) Ammann offers a selection of cut-off shoes. An optional conveyor cover enables asymmetric paving on one side only.

- Simple mounting of cut-off shoes to reduce paving width
- One side paving with optional conveyor cover
- Minimum working width of 600 mm (symmetric)
- Minimum working width of 300 mm (asymmetric)



## THE HOPPER

Despite the compact dimensions, the Compact Paver class from Ammann features a large 5 tonne hopper that provides capacity with great flexibility. With easily adjustable settings on the hopper wings the machine can always be used to its maximum capacity. The individual settings of the left and right hopper wings allow to work close to walls and in tight spaces.

- 5 tonne hopper capacity
- Independent, hydraulically controlled hopper wings
- Independently adjustable hopper wings (mechanical)
- Hydraulic front hopper flap optional available



## PIVOTABLE PUSH ROLLERS

Shock absorbing push rollers reduce the impact from loading trucks that dock to the paver. The pivotable system is flexible so it can match varied lorry sizes.

- Pivotable for use on curvy roads
- 100 mm extendible (mechanical) to adjust to truck size
- Push rollers raise and lower together with hoppers

# WORKING WITH COMFORT

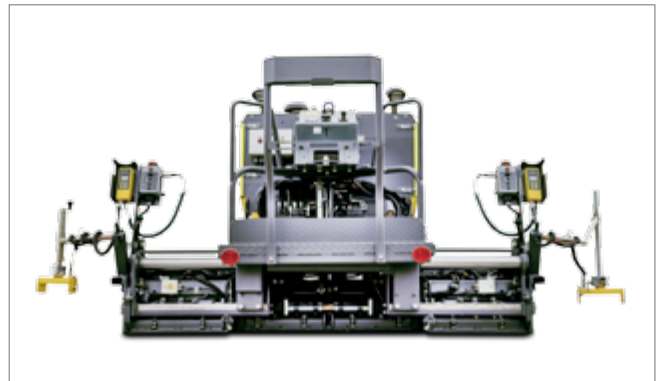
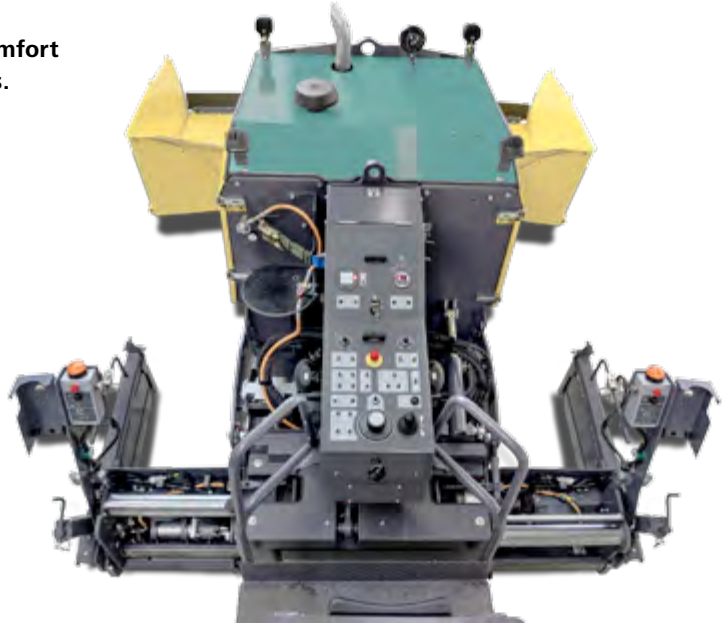
## OPERATOR PLATFORM

**Intuitive controls make the pavers easy to use, while comfort enables quality work to continue throughout long shifts.**

## OPERATOR STATION

The operator panel features intuitive controls, but that's only the beginning. Toggle switches are positioned according to both function and frequency of use. That means frequently used functions – such as the hopper, screed and drive levers – are close to the operator.

- Intuitive controls
- Each toggle switch positioned according to function group and frequency of use
- Backrest that includes a storage compartment
- Non-slip platform profile
- Sliding step extensions for increased visibility



## ONE-MAN PAVING

If needed, the machine can be operated by a single operator – and he doesn't even have to be on the machine thanks to a technologically advanced remote control system.

- Optional remote steering enables operation from the ground
- The remote unit contains all drive-related functions including speed adjustment, steering, hopper control and emergency switch.

## SLIDING STEPS

The operator platform is easy to access. The back rest and the extendible side steps improve working convenience and give the operator the security needed to focus on his job.



# POWER AND PULL

## ENGINE, UNDERCARRIAGE KEY COMPONENTS

**Ammann AFT 200-2 and AFT 300-2 Asphalt Pavers feature powerful engines that help the machines thrive on inclines and in poor underfoot conditions. That power is nicely complemented by the standard EcoMode system and the fuel efficiency it brings. Several engine options ensure the best fit for a specific geographic location and emission regulations.**

### ENGINE

Both paver models utilise a 4-cylinder Deutz engine, which is available to meet either Stage IIIA or IIIB (T3 or T4f) standards. The engines offer low emissions, outstanding fuel economy and reduced sound through insulation and the location of the cooling fan.

#### 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 IIIB / T4f Engine

- Superior lifetime value with higher fuel efficiency
- Reduced maintenance and longer service intervals
- Improved common-rail technology for enhanced performance

### UNDERCARRIAGE

Ammann AFT 200-2 and AFT 300-2 Asphalt Pavers are compact, but they deliver plenty of traction, too – essential when paving on uneven surfaces. The compact pavers feature superior traction for their size class and offer great manoeuvrability, too.

- Wide tracks (205 mm) and powerful hydraulic motors provide stability and fast transport and working speeds
- Grease tensioning is conducted from the outside of the track frames
- Track arrangement and improved centre of gravity provides smooth ride
- Improved hydraulics transmit engine power to the ground, improving pull and traction



### ECOMODE

EcoMode allows the engine to be set at the RPM needed for the current job. This leads to a reduced fuel consumption, which improves profitability. EcoMode also provides environmental benefits, including reduced sounds and emissions.

- Adjusts engine speed to the jobsite's requirements through a variably controlled system
- Reduces fuel consumption and sound
- Extends engine life
- Eliminates risk of overheating, even in very hot conditions, through the cooler



# SCREEDS FOR EVERY NEED

## HIGH QUALITY AND STABILITY

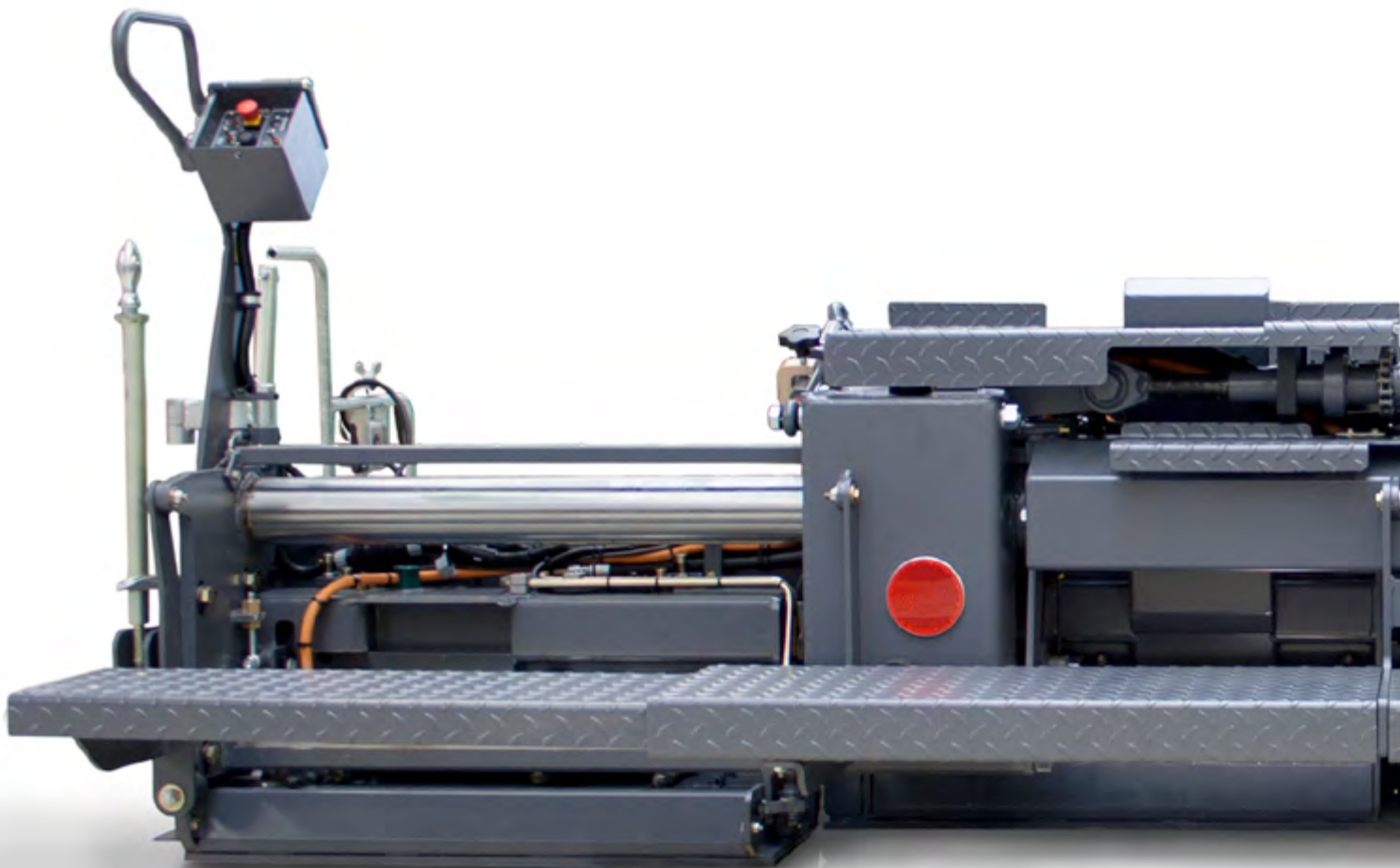
No tool on a asphalt paver is more important to quality than the screed. And the screeds on the Ammann pavers are leading in stability and paving quality. Heating systems on Ammann SV 2400 E/G and STV 2400 E/G ensure consistent heat distribution throughout the screed. Stability is constant, even when working at maximum widths. The low layout makes it easy for the operator to step on and off – and gives a great view to the hopper and on the jobsite. The AFT 300-2 features a tamper/vibration screed for a higher degree of pre-compaction.

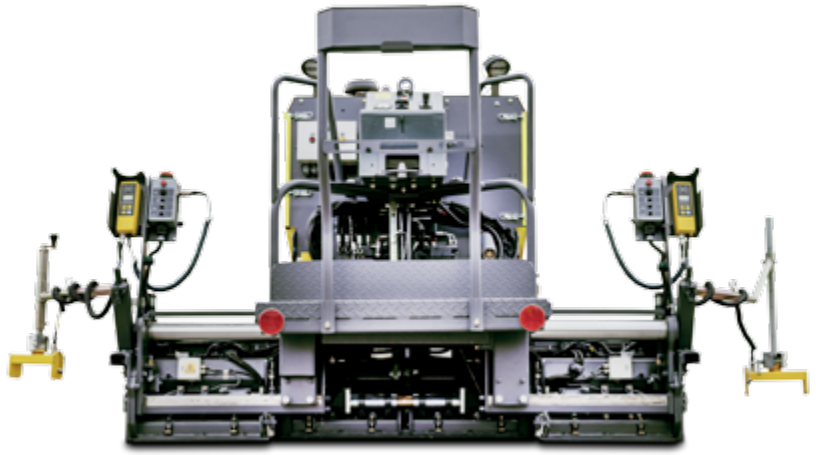
## HIGHEST PAVING QUALITY

- Vibration available in basic screed and mechanical extensions
- Robust and wear-resistant components
- Wide bottom plates of 205 mm for smooth paving
- Vibration screed on AFT 200-2  
Tamper/vibration screed available for AFT 300-2
- Hydraulic motors for the tamper on AFT 300-2
- Tamper and vibration system pre-compacts for best paving results

## PRECISION

- Slim end gates enable paving close to walls and curbs
- Tamper and vibration speeds easily adjustable
- Positive and negative crown profiling is mechanically adjustable from - 1.5 percent up to +3.0 percent
- Left and right screed sides equipped with remote control
- All screed functions such as opening, closing, leveling and auger flow can be adjusted via the remote controls



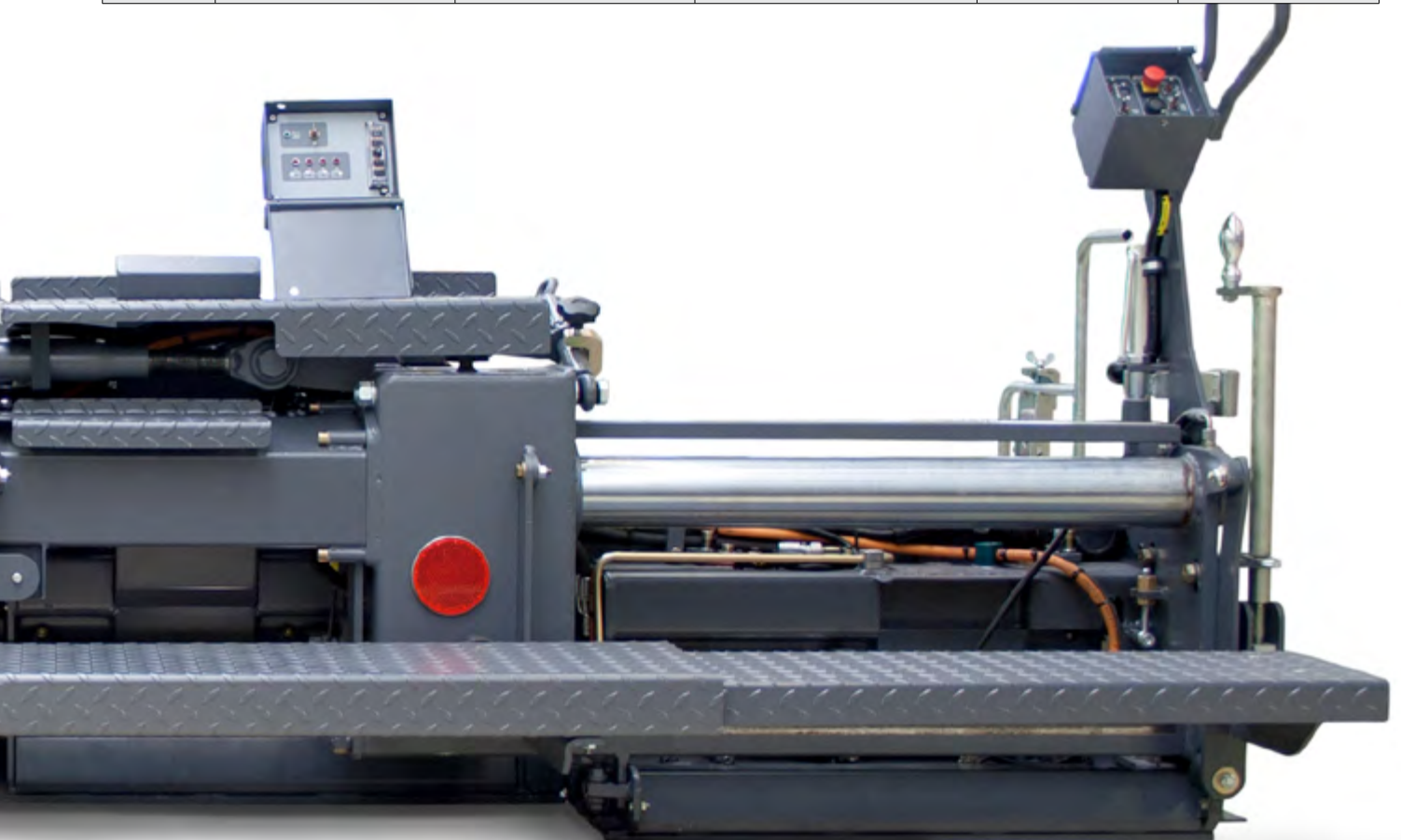


## TEMPERATURE CONTROL

- Electric or gas heating screeds are available for both machines
- Screed temperature can be set from the main dashboard
- Temperature control unit conserves energy and ensures that screed is always at the desired temperature
- All screed segments, including the hydraulic extensions, are temperature controlled

## AVAILABLE SCREEDS FOR COMPACT PAVER CLASS

SCREED	HEATING SYSTEM	SCREED TYPE	STANDARD WORKING WIDTH	MAX. WORKING WIDTH	
				AFT 200-2	AFT300-2
SV 2400 G	Gas (LPG)	Vibration screed	1200–2400 mm	3100 mm	–
SV 2400 E	Electric	Vibration screed	1200–2400 mm	3100 mm	–
STV 2400 G	Gas (LPG)	Tamper & vibration screed	1200–2400 mm	–	3100 mm
STV 2400 E	Electric	Tamper & vibration screed	1200–2400 mm	–	3100 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

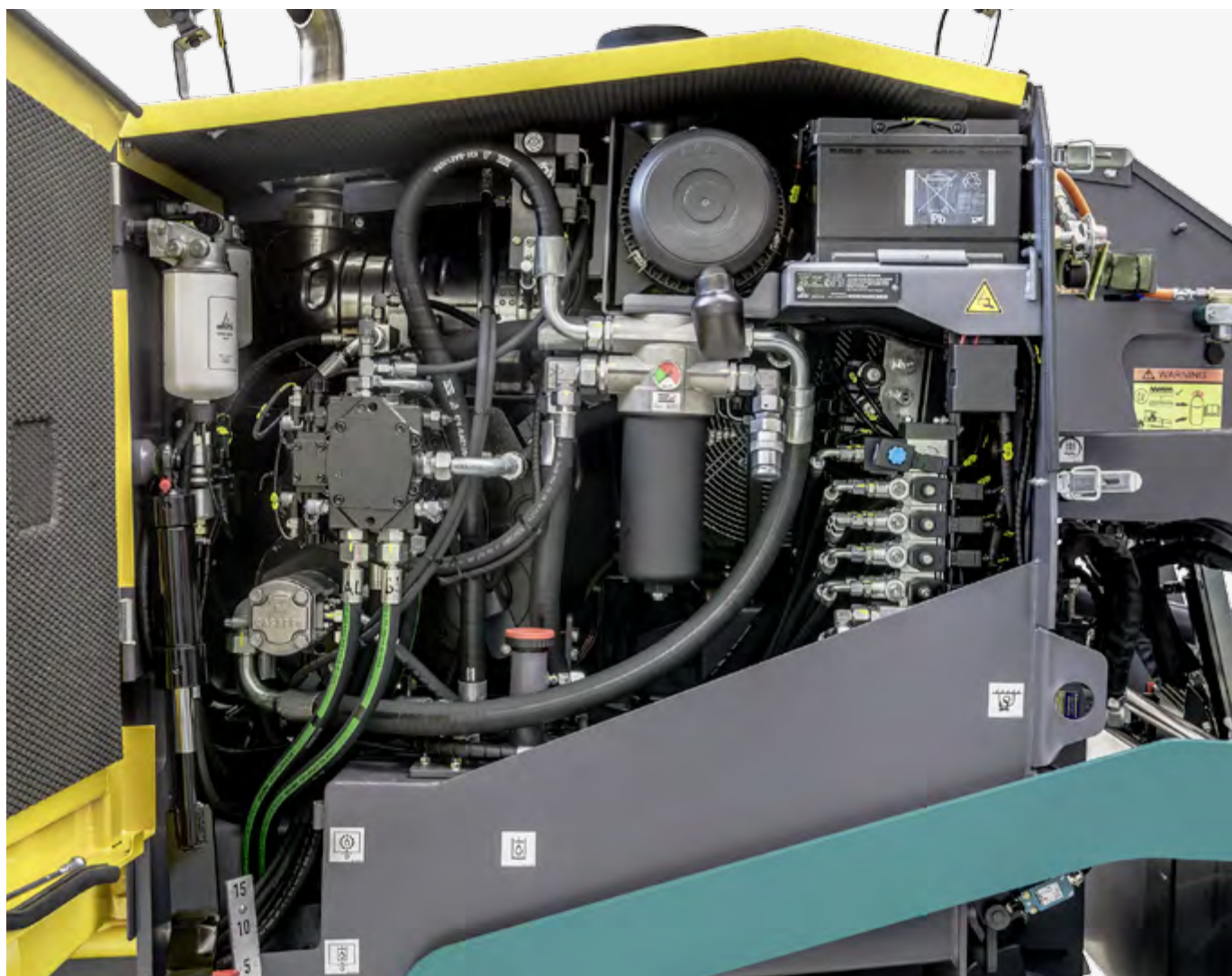
- Wear-resistant components
- Use of reliable, well-known suppliers

### EASY TRANSPORTATION

- Transport speed of 3.3 km/hour
- Low centre of gravity and well-balanced rollers for smooth ride
- Can be transported on a small trailer along with a roller or planer

### DAILY TIME SAVERS

- Large 85 litre 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 application 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

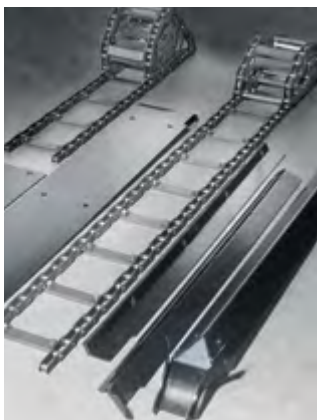
Emergency kits prevent little frustrations from becoming bigger issues that can shut down a machine and even a jobsite. These kits include parts such as switches and fuses that are simple and fast to change yet still can cause significant problems if not operating properly. The kits easily fit in the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

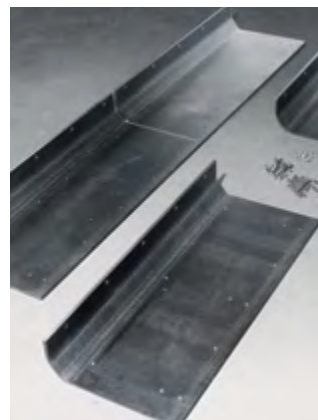
- Reduce downtime by ensuring that every part, big and small, is there when you need it
- Provide cost-savings, usually at least 10 percent, when compared with ordering parts individually
- Bring convenience by helping organise all the required parts for a specific repair or service
- Ensure you have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



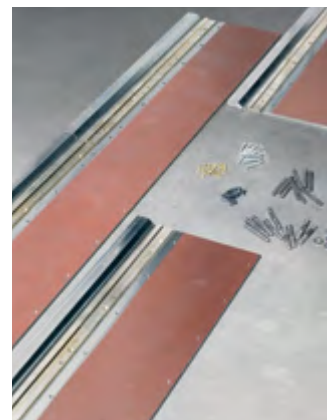
Conveyor belt



Auger wings



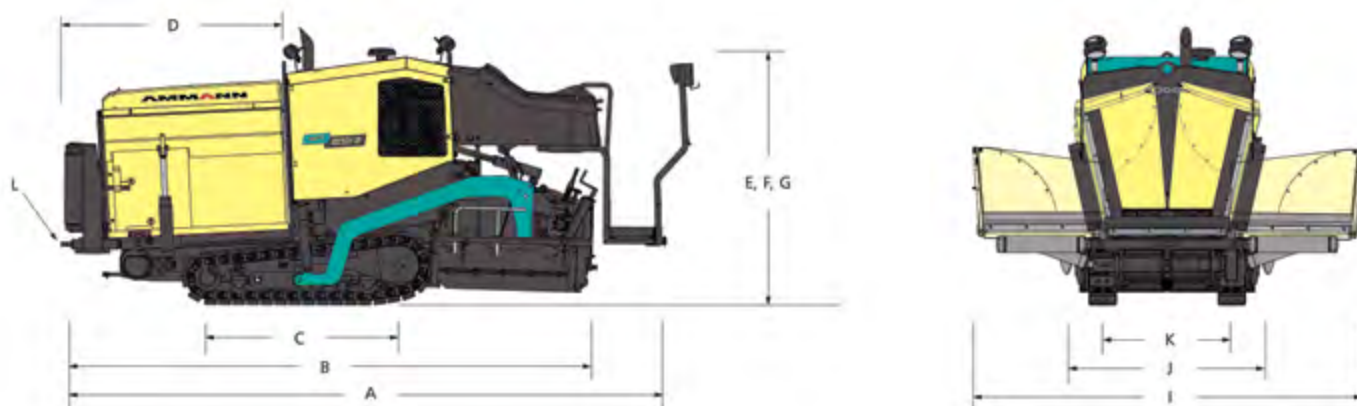
Screed bottom plate



Screed tamper bar

# SPECIFICATIONS

## AFT 200-2



### WEIGHT & DIMENSIONS

WEIGHT (INCLUDING STANDARD SCREED)	5900 kg
A MACHINE LENGTH	4360 mm
B TRANSPORT LENGTH	3880 mm
C TRACK LENGTH	1390 mm
D HOPPER LENGTH	1310 mm
E MACHINE HEIGHT	1900 mm
F TRANSPORT HEIGHT	1900 mm
G HEIGHT (W.O. CANOPY)	1900 mm
H MATERIAL LOADING HEIGHT	570 mm
I MACHINE, OPEN HOPPERS WIDTH	2830 mm
J TRANSPORT WIDTH	1200 mm
K TRACK GAUGE WIDTH	940 mm
L MAX. APPROACH ANGLE	15.5° (front) / 10° (back)

### CAPACITY & PERFORMANCE

PLACEMENT THICKNESS (MAX.)	200 mm
THEORETICAL PAVING CAPACITY	300 t/h
PAVING SPEED (MAX.)	27 m/min
TRANSPORT SPEED (MAX.)	3.3 km/h

### CRAWLER

CRAWLER LENGTH (AXLE TRACK)	1390 mm
CRAWLER WIDTH (PADS)	205 mm
FINAL DRIVE	Direct drive over transmissions

### AVAILABLE SCREEDS

SCREED	HEATING SYSTEM	SCREED TYPE	STANDARD WORKING WIDTH	MAX. WORKING WIDTH
SV 2400 G	Gas (LPG)	Vibration screed	1200–2400 mm	<b>AFT 200-2</b> 3100 mm
SV 2400 E	Electric	Vibration screed	1200–2400 mm	3100 mm

### MATERIAL FEEDING SYSTEM

HOPPER CAPACITY	5 t
HOPPER DUMPING HEIGHT CENTER (W. HOPPER FLAP)	570 mm
HOPPER WIDTH, INTERNAL	2830 mm
CONVEYOR TYPE	Splitted conveyor drive with center cover
CONVEYOR WIDTH	620 mm
CONVEYOR CONTROL	Automatic with limit switches
AUGER DIAMETER	320 mm
AUGER CONTROL	Automatic with ultrasonic sensors
AUGER HEIGHT ADJUSTMENT	150 mm (mechanical)

### ENGINE

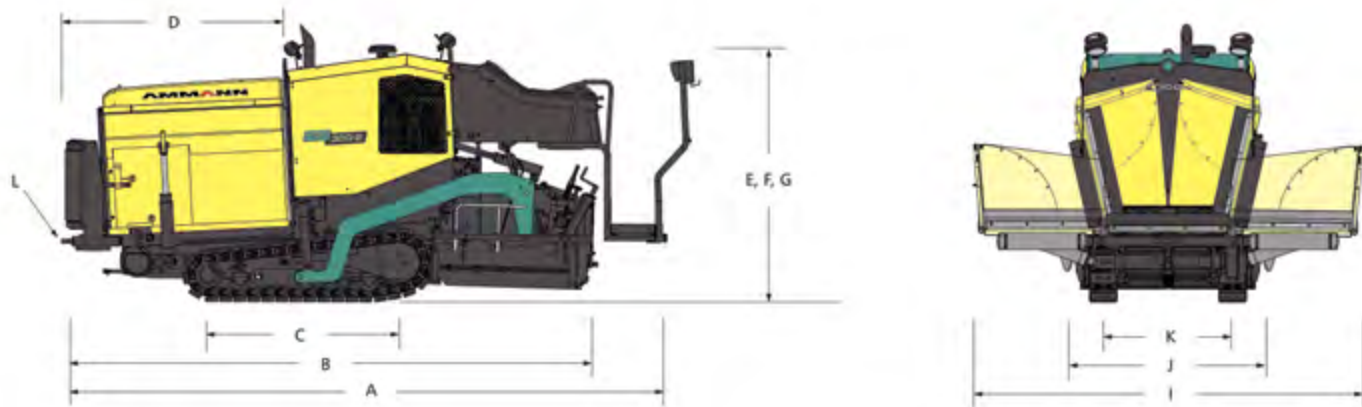
ENGINE MODEL	Deutz TD2.9 L4
RATED POWER @ 2200 RPM	49 kW
EMISSIONS	EU 3A/3B (Tier 3 / 4f)
ELECTRICAL SYSTEM	24 V
FUEL TANK CAPACITY	85 l

### OPERATOR STATION

OPERATOR CONSOLE	Conventional control
DASHBOARD	Conventional control
PLATFORM	With back rest for operator safety
ROOF	No canopy

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STV 2400 G	Gas (LPG)	Tamper & vibration screed	1200–2400 mm	3100 mm
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RATED POWER @ 2200 RPM	54 kW
EMISSIONS	EU 3A/3B (Tier 3 / 4f)
ELECTRICAL SYSTEM	24 V
FUEL TANK CAPACITY	85 l

### OPERATOR STATION

OPERATOR CONSOLE	Conventional control
DASHBOARD	Conventional control
PLATFORM	With back rest for operator safety
ROOF	No canopy

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and services please visit:  
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