

# ABG 8820

## ASPHALT PAVERS TRACKED

EU STAGE V



### Big projects

- High level performance on large paving projects with up to 13-metre paving width
- Outstanding machine stability; excellent surface contact with long and wide tracks
- Premium Volvo (Deutz) Stage V engine provides prominent power for big projects
- Best performance with versatile applications of asphalt, concrete and CTB paving

### Operator's choice

- EPM3: intuitive control with a bird's eye view of a paver on the display
- Consistent, high-quality paving; transfer data from job-to-job with the Settings Manager
- Pave Assist with Thermal Profiling, Weather View and Material Manager
- Adaptive Eco Mode and optimized RPM reduce noise levels and fuel consumption
- Unhampered visibility around the paver
- Different optional lighting kits boost safety when working at night
- Smart Dock option: Remote controlled light bars provide visual signals to the tipper driver

### Enduring quality

- Optimum material flow with a big conveyor tunnel for up to 1100t/h

- Auto track tensioner for directional stability\*
- Soft Dock option for push rollers: absorb shocks and continue to oscillate at the same time
- Screed load device prevents start-off bumps at large paving widths\*
- Screed tensioning device locks torsional stiffness across the length of the screed\*

### Screeds for ultimate paving results

- Paving a width up to 13 meters with fixed screeds (single or double tamper)
- Vario screed ends available for fixed screeds
- Special crown profiles in road surfaces with VB 79/89 or VDT-V 79/89
- Quick-coupling for easy vario screed extension assembly\*
- Fully hardened tamper bars significantly extend lifetime
- Double tamper screeds offer the highest levels of pre-compaction density behind the screed
- Hydraulic endgates, featuring power float (option)

### Focus on uptime

- Service Interval Manager notifies the operator of required maintenance
- CareTrack advanced telematics system
- Service access from the platform provides ease of maintenance
- MATRIS provides expert analysis of machine operating activity
- ABG service kits save time, lower costs and offer the latest technical advantages

\*AN ABG EXCLUSIVE FEATURE

**AMMANN**

# ABG 8820

## EU Stage V

ENGINE	ABG 8820	
MANUFACTURER	Volvo (Deutz)	
MODEL	D8J	
FUEL	Diesel	
OUTPUT	kW	200
	hp	272
AT ENGINE SPEED	r/min	2 000
COOLANT	Liquid	
FUEL TANK CAPACITY	l	250
EXHAUST EMISSION	EU Stage V	

PAVING	ABG 8820	
OUTPUT (THEORETICAL)*	t/h	1 100
MAT THICKNESS (MAX)	mm	300

\*The actual paving output depends upon the mat thickness, the paving width and paving speed and will vary according to paving conditions prevailing on your jobsite.

SPEED	ABG 8820	
PAVING (MAX)	m/min	20
TRANSPORT (MAX)	km/h	3.6

CONVEYOR	ABG 8820	
HOPPER CAPACITY	t	14.7
NUMBER OF CONVEYORS	2	
CONVEYOR SPEED (MAX)	m/min	23

AUGER	ABG 8820	
SPEED (MAX)	1/min	150
DIAMETER	mm	360

WEIGHT	ABG 8820	
TRACTOR UNIT	kg	17 350

All weights are approx. weights without options.  
Weight of the tractor includes front flap hopper, standard push rollers, generator, half-full fuel tank and 75 kg operator.

MAX. ALLOWABLE GRADEABILITY	ABG 8820	
TRACTOR UNIT + SCREED	%	25

Applies to screed VB 78 2,5–5,0 m.  
When using extensions the max. allowable gradeability will be reduced.

SOUND LEVEL	ABG 8820	
L <sub>PA</sub> Sound Pressure Level at Driver's Ear, acc. to ISO 11201	dB	84
L <sub>WA</sub> Guaranteed Sound Power Level, acc. to Directive 2000/14/EC	dB	106

VIBRATION	ABG 8820	
HAND-ARM VIBRATION according to ISO 5349:2001	m/s <sup>2</sup>	<2.5
WHOLE BODY VIBRATION according to ISO 2631:1997	m/s <sup>2</sup>	<0.5

ELECTRICAL SYSTEM	ABG 8820	
BATTERY VOLTAGE	V	24

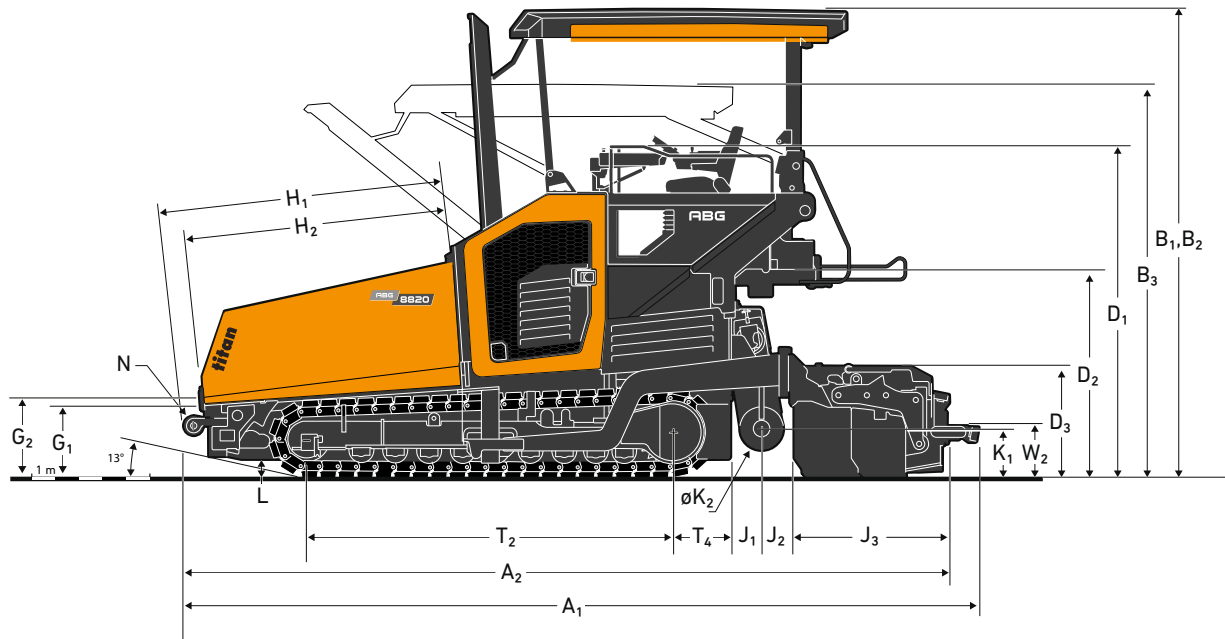
OPERATING WEIGHTS <sup>1</sup> OF SCREEDS IN KG <sup>2</sup> AT WORKING WIDTH	ABG 8820
	13 m
	MB 122 ETC
	9 878

<sup>1</sup> Including auger extensions, channel plates, end gates, towing arms rear, etc.

<sup>2</sup> Screed electrically heated



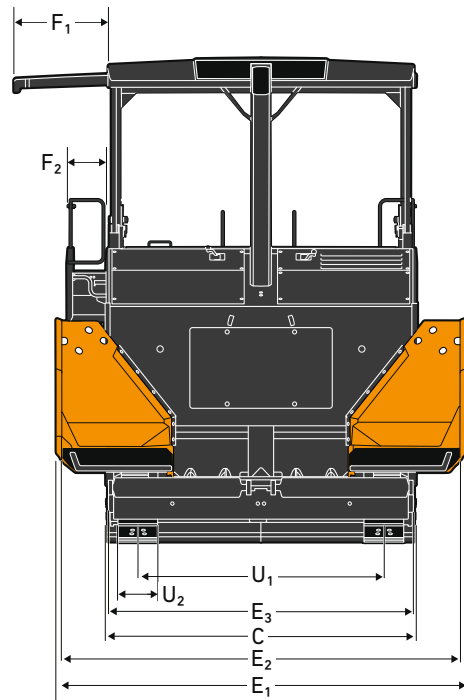
# TRACKED ASPHALT PAVERS



## DIMENSIONS [MM]

## ABG 8820

A <sub>1</sub>	OPERATING LENGTH	6 696
A <sub>2</sub>	SHIPPING LENGTH	6 446
B <sub>1</sub>	OPERATING HEIGHT	3 952
B <sub>2</sub>	HEIGHT WEATHER ROOF	3 952
B <sub>3</sub>	SHIPPING HEIGHT	3 078
C	TRACTOR WIDTH	2 548
D <sub>1</sub>	HEIGHT RAILING	2 185
D <sub>2</sub>	DECK HEIGHT	1 782
D <sub>3</sub>	SCREED HEIGHT	937
E <sub>1</sub>	OUTER HOPPER WIDTH	3 342
E <sub>2</sub>	INNER HOPPER WIDTH	3 260
E <sub>3</sub>	WIDTH OSCILLATING BEAM	2 495
F <sub>1</sub>	EXTENSION WEATHER ROOF	770
F <sub>2</sub>	SEAT CONSOLE EXTENSION	320
G <sub>1</sub>	INNER LOADING HEIGHT	621
G <sub>2</sub>	OUTER LOADING HEIGHT	749
H <sub>1</sub>	HOPPER LENGTH TO PUSH ROLLER	2 335
H <sub>2</sub>	HOPPER LENGTH	2 168
J <sub>1</sub>	DISTANCE REAR WALL AUGER CENTRE	275
J <sub>2</sub>	DISTANCE AUGER CENTRE SCREED	283
J <sub>3</sub>	SCREED DEPTH	1 297
K <sub>1</sub>	AUGER HEIGHT TO GROUND (CENTER)	422 ± 100
K <sub>2</sub>	DIAMETER AUGER	360
L	GROUND CLEARANCE	166
N	DIAMETER PUSH ROLLER	160
O	CONVEYOR WIDTH	1 430
BASIC SCREED WIDTH MB 122 ETC		2 500
EXTENDED SCREED WIDTH MB 122 ETC		13 000
T <sub>2</sub>	TRACK LENGTH	3 084
T <sub>4</sub>	TRACK DISTANCE TO REAR WALL	475
U <sub>1</sub>	TRACK GAUGE	2 010
U <sub>2</sub>	TRACK PAD WIDTH	325
W <sub>1</sub>	WIDTH OF WALKWAY	250
W <sub>2</sub>	HEIGHT OF WALKWAY	428



# EQUIPMENT

## STANDARD EQUIPMENT

### Engine

- Volvo (Deutz) Diesel engine, EU Stage V

### Drive

- Electronic drive control
- Lifetime lubricated crawler track rollers
- Forged and hardened crawler track links
- Automatic track tensioner

### Material Management

- Heavy push rollers
- Individual operating hopper wings
- Proportional conveyor sensors
- Reversible conveyor
- Proportional ultrasonic sensor auger control
- Four individual hydrostatic drives for conveyors and augers
- Heavy duty auger
- Auger quick lock system
- Reversible direction of auger rotation
- Auger extensions and additional auger bearings
- Central lubrication
- Hydraulic auger height adjustment

### Electrics and electronics

- Electronic Paver Management (EPM 3)
- ADAPTIVE ECO mode
- Transport case for EPM control panels
- Two adjustable and revolving screed control panels
- Adjustable and revolving main control panel at operator platform
- Generator for electric screed heating
- On-board diagnostic function for manual screed heating bars
- High ambient temperature fan
- Levelling equipment
- Battery master switch
- Electric switch cabinet
- MATRIS
- Settings Manager
- Service Interval Manager
- CareTrack, GSM installation
- Four 230V power sockets

### Structure

- All-weather roof of GRP (glass-fiber reinforced plastic)
- Two seats, laterally extendable
- Anti-vandalism kit
- Near field mirrors at weather roof
- ABG Key
- Electrohydraulic powered weather roof
- Weather roof extension
- Front ballast weight

### Screed

- Screed MB122ETC 2.5–13.0 m
- Screed lock
- Screed spacer blocks
- Screed assist
- Screed anti-climbing lock
- Screed tensioning device
- Hydraulic crown adjustment VB screeds
- Split towing arms

### Levelling equipment

- Moba-Matic II Controller
- 2 Sonic Ski
- Sensor Rotary
- Sensor Slope at max. 7 m
- Bracket Kit Grade Sensor
- Bracket Kit Slope Sensor

### Lights

- Operator's platform lighting
- Basic Kit LED
- Work Plus Kit LED
- Full Night Kit LED
- Warning beacons LED
- Home light function

### Environmental

- Sound insulation
- High performance spray cleaning unit

## OPTIONAL EQUIPMENT

### Material Management

- Smart Dock
- Soft Dock
- Hydraulically operated front apron
- Protective half shells for auger shaft
- Heavy duty conveyor cover
- Front track scraper hydraulic
- Feeder stop

### Electrics and electronics

- Lateral emergency stop
- CareTrack, Satellite installation
- Pave Assist (Co-Pilot system)
- Smart View camera system
- White noise alarm

### Structure

- Deluxe seats with heating
- Front windscreen
- Tarpaulin side curtains for weather roof
- Custom colours

### Screed

- Heatable screed end gate
- Foldable screed walkway

### Lights

- Basic Kit Halogen
- Two balloon lights LED

### Environmental

- Biodegradable hydraulic oil
- Fume extractors
- Emulsion spraying system