

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 1100 t/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

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

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

CONVEYOR

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

AUGER

SPEED (MAX)	1/min	150
DIAMETER	mm	360

WEIGHT

TRACTOR UNIT	kg	17 350
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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

TRACTOR UNIT + SCREED	%	25
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Applies to screed VB 78 2.5–5.0 m.

When using extensions the max. allowable gradeability will be reduced.

SOUND LEVEL

L _{PA} Sound Pressure Level at Driver's Ear, acc. to ISO 11201	dB	84
L _{WA} Guaranteed Sound Power Level, acc. to Directive 2000/14/EC	dB	106

VIBRATION

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

ELECTRICAL SYSTEM

BATTERY VOLTAGE	V	24
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OPERATING WEIGHTS¹ OF SCREEDS IN KG² AT WORKING WIDTH

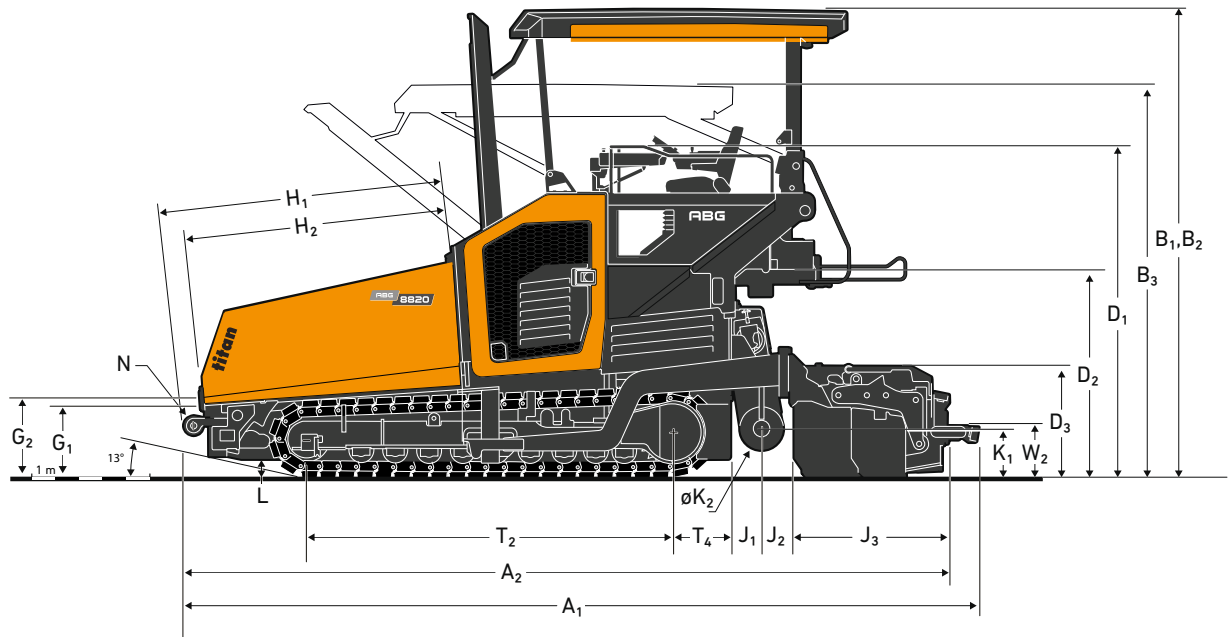
ABG 8820	13 m
MB 122 ETC	9 878

¹ Including auger extensions, channel plates, end gates, towing arms rear, etc.

² Screed electrically heated



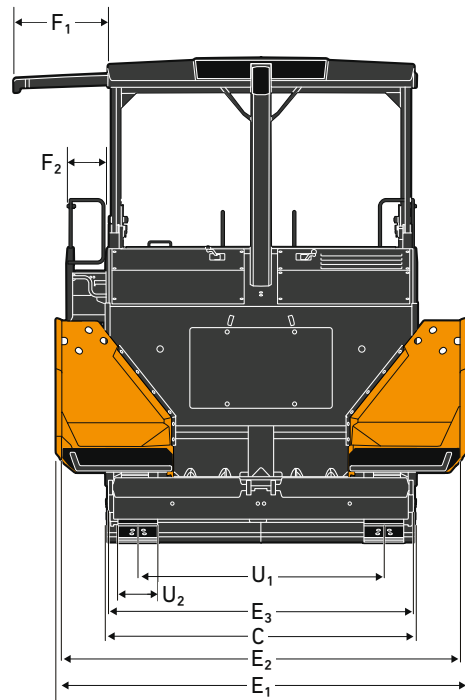
TRACKED ASPHALT PAVERS



DIMENSIONS [MM]

ABG 8820

A ₁	OPERATING LENGTH	6 696
A ₂	SHIPPING LENGTH	6 446
B ₁	OPERATING HEIGHT	3 952
B ₂	HEIGHT WEATHER ROOF	3 952
B ₃	SHIPPING HEIGHT	3 078
C	TRACTOR WIDTH	2 548
D ₁	HEIGHT RAILING	2 185
D ₂	DECK HEIGHT	1 782
D ₃	SCREED HEIGHT	937
E ₁	OUTER HOPPER WIDTH	3 342
E ₂	INNER HOPPER WIDTH	3 260
E ₃	WIDTH OSCILLATING BEAM	2 495
F ₁	EXTENSION WEATHER ROOF	770
F ₂	SEAT CONSOLE EXTENSION	320
G ₁	INNER LOADING HEIGHT	621
G ₂	OUTER LOADING HEIGHT	749
H ₁	HOPPER LENGTH TO PUSH ROLLER	2 335
H ₂	HOPPER LENGTH	2 168
J ₁	DISTANCE REAR WALL AUGER CENTRE	275
J ₂	DISTANCE AUGER CENTRE SCREED	283
J ₃	SCREED DEPTH	1 297
K ₁	AUGER HEIGHT TO GROUND (CENTER)	422 ± 100
K ₂	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 ₂	TRACK LENGTH	3 084
T ₄	TRACK DISTANCE TO REAR WALL	475
U ₁	TRACK GAUGE	2 010
U ₂	TRACK PAD WIDTH	325
W ₁	WIDTH OF WALKWAY	250
W ₂	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