

ABG 4820

ASPHALT PAVERS TRACKED

EPA TIER 3



A small machine with big potential

- Machine's size and weight enables transport with additional equipment
- Auto track tensioner for smooth paving starts*
- Large hopper with front apron (option)
- High fuel efficiency

Control with ease

- EPM3: intuitive control with a bird's eye view of a paver on the display
- Settings Manager to store and save customised settings
- A very low noise level simplifies communication with the paving team

Highly efficient

- Powertrain components are perfectly harmonised for high efficiency
- Deutz (Volvo) Stage V engine offers unrivalled durability and performance
- Adaptive Eco Mode matches engine output to demand, resulting in up to 30% fuel savings
- Electronically adapted speed of the hydraulic cooling fan lowers noise and fuel consumption
- Grid power for heating the screed with e+ screed heat, no fuel + no CO₂

State-of-the-art service

- Service Interval Manager notifies the operator of required maintenance
- Ammann ServiceLink telematics system
- Service access from the platform provides ease of maintenance

Industry-leading screeds

- ABG designed screeds heat quickly
- The robust screed design produces a consistent, high-quality mat
- Easy screed control with the clear screed panel design
- Quick-coupling for easy vario screed extension assembly*
- Fully hardened tamper bars significantly extend lifetime

**AN ABG EXCLUSIVE FEATURE*

AMMANN

ABG 4820

EPA Tier 3

ENGINE		ABG 4820
MANUFACTURER		Deutz (Volvo)
MODEL		D4E
FUEL		Diesel
OUTPUT	kW	96
	hp	129
AT ENGINE SPEED	r/min	2200
COOLANT		Liquid
FUEL TANK CAPACITY	l	180
EXHAUST EMISSION		EPA Tier 3

PAVING

OUTPUT (THEORETICAL)*	t/h	500
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

UNDERCARRIAGE

LENGTH	mm	2850
WIDTH (TRACK PLATES)	mm	300

CONVEYOR

HOPPER CAPACITY	t (sh tn)	13.5
NUMBER OF CONVEYORS		2
CONVEYOR SPEED (MAX)	m/min	14

AUGER

SPEED (MAX)	1/min	68
DIAMETER	mm	360

OPERATING WEIGHTS* OF SCREEDS IN KG AT WORKING WIDTH

ABG 4820	5 m	6 m	6.5 m
VB 78 ETC	3528	-	5150
VB 79 ETC	3730	-	-
VB 88 ETC	-	3820	-

* Including auger extensions, channel plates, end gates.

DIMENSIONS

LENGTH WITH VARIO SCREED (WALKWAY UP)	mm	5997
WIDTH	mm	2532
HEIGHT	mm	2917

WEIGHT

TRACTOR UNIT	kg	12 470
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All weights are approx. weights without options.
Weight of tractor without screed, with fuel tank half full,
with continuous towing arms, 75 kg driver and weather roof included.

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	79
L_{WA} Guaranteed Sound Power Level, acc. to Directive 2000/14/EC	dB	104

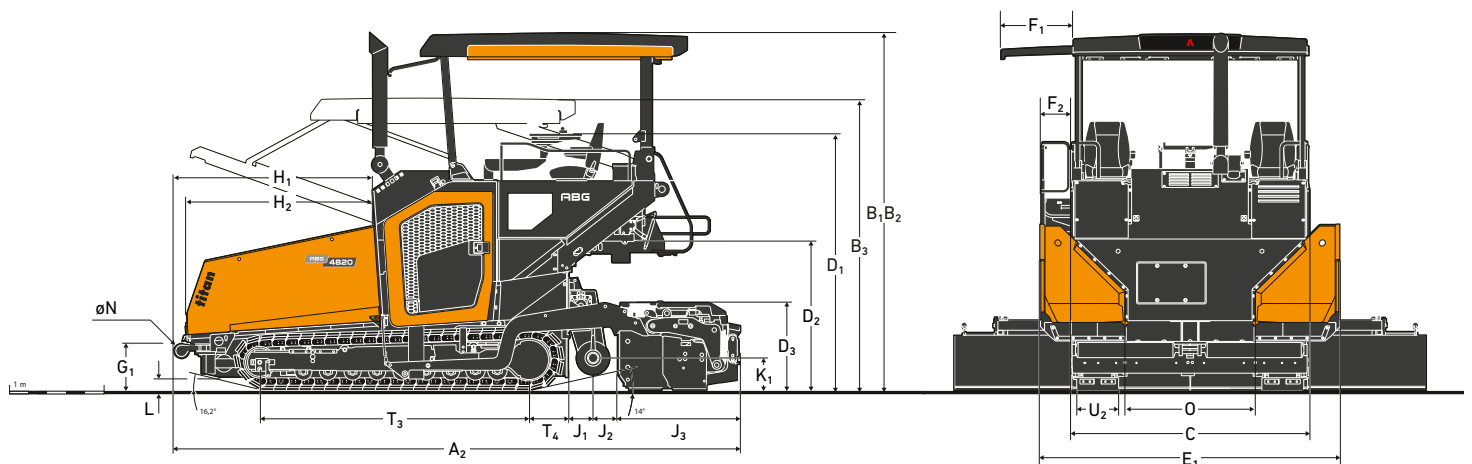
VIBRATION

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

ELECTRICAL SYSTEM

BATTERY VOLTAGE	V	24
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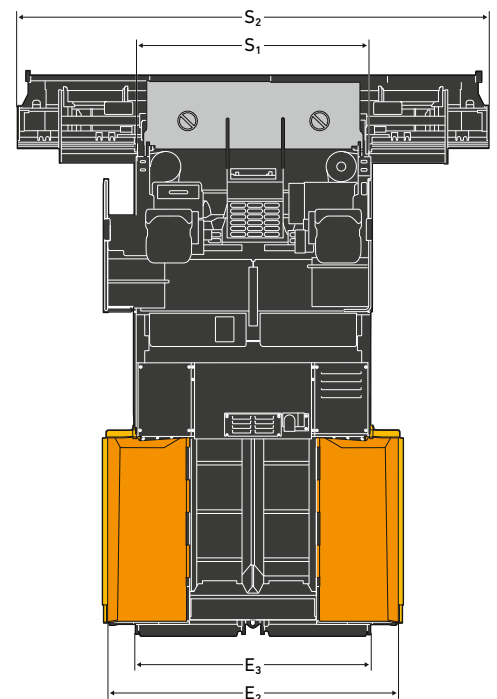
TRACKED ASPHALT PAVERS



DIMENSIONS [mm]

ABG 4820

A ₁	OPERATING LENGTH	6247
A ₂	SHIPPING LENGTH	5997
B ₁	OPERATING HEIGHT	3785
B ₂	HEIGHT WEATHER ROOF	3785
B ₃	SHIPPING HEIGHT	2917
C	TRACTOR WIDTH	2548
D ₁	HEIGHT RAILING	2640
D ₂	DECK HEIGHT	1608
D ₃	SCREED HEIGHT	951
E ₁	OUTER HOPPER WIDTH	3166
E ₂	INNER HOPPER WIDTH	3191
E ₃	WIDTH OSCILLATING BEAM	2495
F ₁	EXTENSION WEATHER ROOF	770
F ₂	SEAT CONSOLE EXTENSION	317
G ₁	INNER LOADING HEIGHT (WITHOUT / WITH FRONT APRON)	525 / 604
G ₂	OUTER LOADING HEIGHT (WITHOUT / WITH FRONT APRON)	604 / 633
H ₁	HOPPER LENGTH TO PUSH ROLLER	2199
H ₂	HOPPER LENGTH	2052
J ₁	DISTANCE REAR WALL AUGER CENTRE	275
J ₂	DISTANCE AUGER SCREED	265
J ₃	SCREED DEPTH	1297
K ₁	AUGER HEIGHT TO GROUND (CENTER)	360 ± 60
K ₂	DIAMETER AUGER	360
L	GROUND CLEARANCE	155
N	DIAMETER PUSH ROLLER	160
O	CONVEYOR WIDTH	1345
S ₁	BASIC SCREED WIDTH	2500 / 3000
S ₂	EXTENDED SCREED WIDTH	5000 / 6000
T ₃	TRACK LENGTH	2850
T ₄	TRACK DISTANCE TO REAR WALL	405
U ₁	TRACK GAUGE CENTRE TO CENTRE	1969
U ₂	TRACK PAD WIDTH	300
W ₁	WIDTH OF WALKWAY	305
W ₂	HEIGHT OF WALKWAY	435



EQUIPMENT

STANDARD EQUIPMENT

Engine

- Deutz (Volvo) Diesel engine, EPA Tier 3

Drive

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

Material management

- Large truck push rollers with 160 mm Ø
- Four individual hydrostatic drives for conveyors and augers
- Reversible direction of auger rotation
- Proportional conveyor sensors

Electronics

- Electronic Paver Management (EPM 3)
- ECO mode

- Settings Manager
- Service Interval Manager
- Adjustable and revolving control panels at operator platform
- Electric switch cabinet
- Battery master switch
- Two adjustable and revolving screed panels

Structure

- Two seats, laterally extendable
- Anti-vandalism kit
- ABG Key

Screed

- Hydraulics for Vario screeds with tamper and vibration
- Screed lock

Lights

- Operators platform
- Home light function

Environmental

- Sound insulation

OPTIONAL EQUIPMENT

Material management

- Individual operating hopper wings
- Hydraulically operated front apron
- Reversible conveyor
- Hydraulic auger height adjustment
- Proportional Ultrasonic Sensor auger control
- Central lubrication
- Light truck push rollers with 110 mm Ø
- Protective half shells for auger shafts

Electronics

- Levelling systems
- Additional sockets 230V
- Ammann ServiceLink
- Smart Dock
- Transport case for EPM control panels

Structure

- Deluxe seats with heating
- Front windscreen
- Tarpaulin side curtains for weather roof
- Custom colour
- Automatic folding device for weather roof (electro-hydraulic)

Screed

- Screed anti-climbing lock
- Screed assist
- Hydraulic height adjustment of extendable screeds
- Hydraulically adjustable Power-Float screed endgates
- Heatable screed endgates

Lights

- Basic Kit Halogen
- Basic Kit LED
- Work Plus Kit LED
- Full Night Kit LED
- Levelling indicator scale lighting
- Warning beacons

Environmental

- Extractor for bituminous fumes
- Emulsion spraying system
- Heavy-duty spray cleaning gun
- Biodegradable hydraulic oil