

ABG 6820 ABG 7820

ASPHALT PAVERS TRACKED

EPA TIER 3



Total paver control

- 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
- Lowest noise level in class simplifies communication with the paving team
- Unhampered visibility around the paver
- Different optional lighting kits boost safety when working at night

Long-lasting paving performance

- Deutz (Volvo) engine combines high torque and low RPM for superior, long-lasting performance
- Powertrain components are perfectly harmonised for high efficiency
- Adaptive Eco Mode matches engine output to demand
- Electronically adapted speed of the hydraulic cooling fan lowers noise and fuel consumption
- Auto track tensioner for smooth paving starts*

Supreme screed technology

- ABG screeds deliver the best pavement quality, uniformity and smoothness
- Selection from a variety of single or double tamper screeds
- Special crown profiles in road surfaces with VB 79/89 or VDT-V 79/89*
- Easy screed control with the clear screed panel design
- Quick-coupling for easy vario screed extension assembly*
- Fully hardened tamper bars significantly extend lifetime

Focus on uptime

- Service Interval Manager notifies the operator of required maintenance
- Ammann ServiceLink telematics system (certified markets only)
- Service access from the platform provides ease of maintenance
- ABG service kits save time, lower costs and offer the latest technical advantages

*AN ABG EXCLUSIVE FEATURE

AMMANN

ABG 6820 | ABG 7820

EPA Tier 3

ENGINE		ABG 6820	ABG 7820
MANUFACTURER		Deutz (Volvo)	Deutz (Volvo)
MODEL		D6E GAE3	D7E GEE3
FUEL		Diesel	Diesel
OUTPUT	kW	140	170
	hp	190	228
AT ENGINE SPEED	r/min	2000	1800
COOLANT		Liquid	Liquid
FUEL TANK CAPACITY	l	250	250
EXHAUST EMISSION		EPA Tier 3	EPA Tier 3

PAVING

OUTPUT (THEORETICAL)*	t/h	700	900
MAT THICKNESS (MAX)	mm	300	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	20
TRANSPORT (MAX)	km/h	3.3	3.6

UNDERCARRIAGE

LENGTH	mm	3000	3000
WIDTH (TRACK PLATES)	mm	300	300

CONVEYOR

HOPPER CAPACITY	t	13.5	13.5
NUMBER OF CONVEYORS		2	2
CONVEYOR SPEED (MAX)	m/min	23	23

AUGER

SPEED (MAX)	1/min	95	95
DIAMETER	mm	360	360

DIMENSIONS		ABG 6820	ABG 7820
LENGTH WITH VARIO SCREED (WALKWAY UP)	mm	6120	6120
WIDTH	mm	2548	2548
HEIGHT	mm	3785	3785
HEIGHT (TRANSPORT)	mm	2934	2934

WEIGHT

TRACTOR UNIT	kg	14 200	14 650
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All weights are approx. weights without options.
Weight of tractor without screed, with standard hopper, with fuel tank half full, with towing arms separated, with push roller D=110 mm, and incl. 75 kg driver.

MAX. ALLOWABLE GRADEABILITY

TRACTOR UNIT + SCREED	%	25	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	82	82
L _{WA} Guaranteed Sound Power Level, acc. to Directive 2000/14/EC	dB	105	105

VIBRATION

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

ELECTRICAL SYSTEM

BATTERY VOLTAGE	V	24	24
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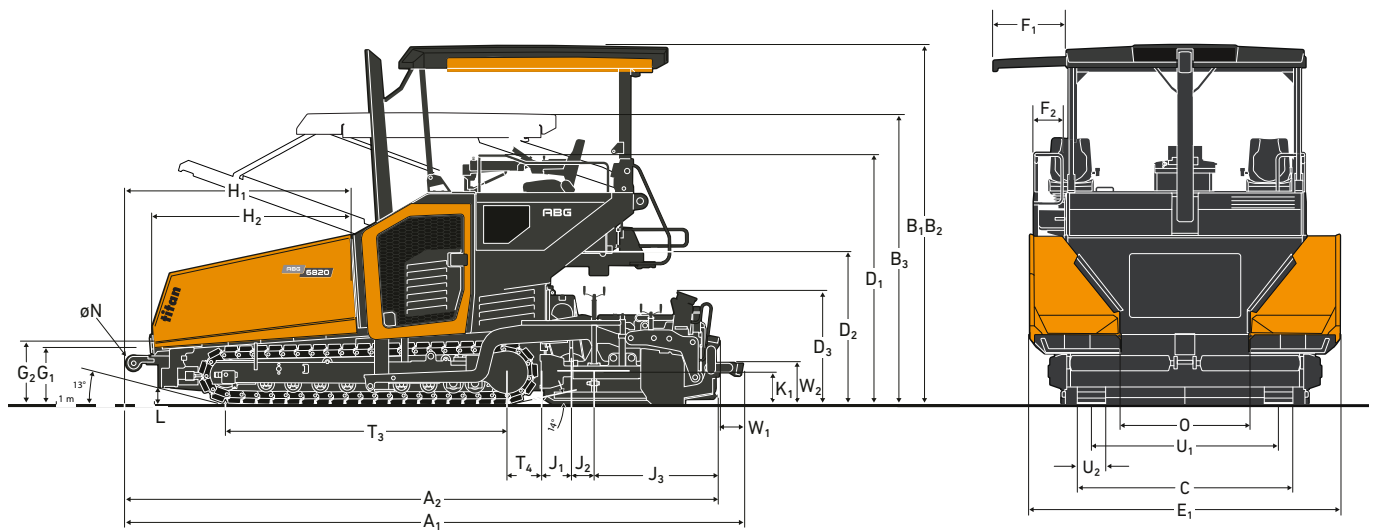
OPERATING WEIGHTS¹ OF SCREEDS IN KG²

AT WORKING WIDTH	2.5 m	5 m	6 m	6.5 m	7.5 m	8 m	8.5 m	9 m	9 m (V)	10 m	11 m
ABG 6820											
VB 78	-	3600	-	5222	5782	6342	-	6903	-	-	-
VDT-V 78	-	3720	-	5442	6032	-	-	-	-	-	-
VB 79	-	3730	-	5352	5912	6472	-	7033	-	-	-
VB 88	-	-	3820	-	5542	-	6102	6662	-	-	-
VDT-V 88	-	-	4450	-	6272	-	-	-	-	-	-
MB 122	2242	-	4456	-	6076	-	-	6828	7454	8050	8575
ABG 7820											
VB 78	-	3600	-	5222	5782	6342	-	6903	-	-	-
VDT-V 78	-	3720	-	5442	6032	6662	-	7253	-	-	-
VB 79	-	3730	-	5352	5912	6472	-	7033	-	-	-
VDT-V 79	-	4100	-	5822	6412	7072	-	7633	-	-	-
VB 88	-	-	3820	-	5542	-	6102	6662	-	7223	-
VDT-V 88	-	-	4450	-	6272	-	6862	7492	-	-	-
VB 89	-	-	4200	-	5922	-	6482	7042	-	-	-
VDT-V 89	-	-	4570	-	6392	-	6982	7612	-	-	-
MB 122	2242	-	4456	-	6076	-	-	6828	7454	8050	8575
VDT 121	2442	-	4903	-	6680	-	-	7531	8193	-	-

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

² All screeds electrically heated

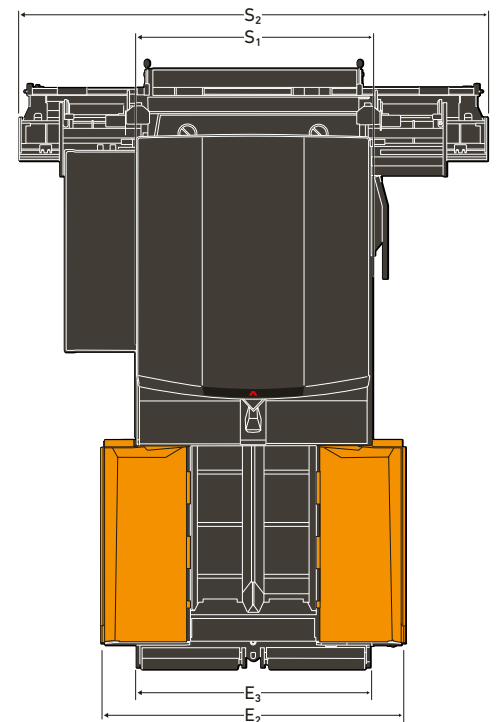
TRACKED ASPHALT PAVERS



DIMENSIONS [mm]

ABG 6820 | ABG 7820

A ₁	OPERATING LENGTH	6388
A ₂	SHIPPING LENGTH	6120
B ₁	OPERATING HEIGHT	3785
B ₂	HEIGHT WEATHER ROOF	3785
B ₃	SHIPPING HEIGHT	2910
C	TRACTOR WIDTH	2548
D ₁	HEIGHT RAILING	2640
D ₂	DECK HEIGHT	1615
D ₃	SCREED HEIGHT	951
E ₁	OUTER HOPPER WIDTH	3255
E ₂	INNER HOPPER WIDTH	3175
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 / 593
G ₂	OUTER LOADING HEIGHT (WITHOUT / WITH FRONT APRON)	606 / 606
H ₁	HOPPER LENGTH TO PUSH ROLLER	2329
H ₂	HOPPER LENGTH	2201
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 ± 75
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	3000
T ₄	TRACK DISTANCE TO REAR WALL	398
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

- Proportional conveyor sensors
- Four individual hydrostatic drives for conveyors and augers
- Reversible direction of auger rotation
- Hydraulic auger height adjustment
- Proportional ultrasonic sensor auger control

Electrics and electronics

- Electronic Paver Management (EPM 3)
- ECO mode
- Settings Manager
- Service Interval Manager
- Adjustable and revolving main control panel at operator platform

- Two adjustable and revolving screed control panels
- Battery master switch
- Electric switch cabinet
- Generator for electric screed heating

Structure

- All-weather roof of GRP (glass-fibre reinforced plastic)
- Two seats, laterally extendable
- Anti-vandalism kit
- Near field mirrors at weather roof
- ABG Key

Screed

- Split towing arms
- Screed lock
- Quick coupling system for vario screeds
- Hydraulic crown adjustment vario screeds

Lights

- Operator's platform lighting
- Home light function

Environmental

- Sound insulation

OPTIONAL EQUIPMENT

Material management

- Smart Dock
- Soft Dock
- Heavy push rollers
- Individual operating hopper wings
- Hydraulically operated front apron
- Auger quick lock system
- Heavy duty auger
- Protective half shells for auger shaft
- Auger extensions and additional auger bearings
- Heavy duty conveyor cover
- Reversible conveyor
- Central lubrication
- Front track scraper hydraulic
- Feeder stop

Electrics and electronics

- 230V power sockets
- Lateral emergency stop
- High ambient temperature fan
- Ammann ServiceLink
- Levelling equipment
- Transport case for EPM control panels
- On-board diagnostic function for manual screed heating bars
- White noise alarm

Structure

- Deluxe seats with heating
- Front windscreen
- Tarpaulin side curtains for weather roof
- Custom colours
- Electrohydraulic powered weather roof
- Front ballast weight

Screed

- Screed spacer blocks
- Screed assist
- Screed anti-climbing lock
- Screed load device
- Screed tensioning device
- Hydraulic height adjustment of extendable screed
- Special profiles VB 79/89, VDT-V 79/89
- Hydraulically adjustable
- Power-Float screed endgates
- Heatable screed endgate
- Foldable screed walkway

Lights

- Basic Kit Halogen
- Basic Kit LED
- Work Plus Kit LED
- Full Night Kit LED
- Warning beacons LED
- Two balloon lights LED

Environmental

- Fume extractors
- Emulsion spraying system
- High performance spray cleaning unit
- Biodegradable hydraulic oil