

ABG 7920

ASPHALT PAVERS TRACKED

CEV STAGE IV



The 10-meter specialist

- Optimum performance and profitability for applications up to 10 meters
- Perfect paver for high-volume and multi-lane highway projects
- A variety of features support a faultless finish, e.g., automatic track tensioning, screed load, screed tensioning device
- High production auger drive with additional gear boxes
- Fast auger setup with quick lock auger shaft

Take control

- EPM3 with intuitive layout and a jog-wheel for quick function settings
- High paving performance at remarkably low noise levels with adaptive Eco Mode
- Unhampered visibility around the paver
- Illuminated and clearly laid out screed control panels
- Work light plus LED kit for optimum visibility at night construction sites

Boost productivity

- Fuel-efficient Volvo (Deutz) CEV Stage IV engine with advanced, built-in features
- Powertrain components are perfectly harmonised for high efficiency
- High performance combined with low fuel consumption, emission and noise
- Efficient cooling system with hydraulically powered adaptive cooling fan

- Split towing arms and spacer blocks increase material throughput
- Hydraulic auger height adjustment

Supreme screed technology

- Low-profile screed design provides screed operators with exceptional view of material flow
- Quickly add or remove Variomatic screed extensions with the quick-coupling system*
- Simple assembly of weight optimised guide plates by one person
- Dual heating bar arrangement ensures uniform heat distribution over the entire screed
- ABG's specially-designed tamper bars are fully hardened for lasting durability
- Hydraulic screed crown adjustment

Keep on working

- Service access from the platform provides ease of maintenance
- Service Interval Manager notifies the operator of required maintenance
- CareTrack advanced telematics system
- Maintain productivity and machine uptime with approved Genuine ABG Parts
- Ammann service kits save time, lower costs and offer the latest technical advantages
- Automatic greasing system

*AN ABG EXCLUSIVE FEATURE

AMMANN

ABG 7920

CEV Stage IV

ENGINE		ABG 7920
MANUFACTURER		Volvo (Deutz)
MODEL		D6J
FUEL		Diesel
OUTPUT	kW	140
	hp	193
AT ENGINE SPEED	r/min	2 200
COOLANT		Liquid
FUEL TANK CAPACITY	l	250
EXHAUST EMISSION		CEV Stage 4

PAVING

OUTPUT (THEORETICAL)*	t/h	700
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	3.3

UNDERCARRIAGE

LENGTH	mm	3 000
WIDTH (TRACK PLATES)	mm	300

CONVEYOR

HOPPER CAPACITY	t	13.5
NUMBER OF CONVEYORS		2
CONVEYOR SPEED (MAX)	m/min	21

AUGER

NUMBER OF AUGERS		2
SPEED (MAX)	1/min	100
DIAMETER	mm	360

OPERATING WEIGHTS* OF SCREEDS IN KG

AT WORKING WIDTH	2.5 m	4.0 m	5.0 m	6.0 m	6.5 m	7.0 m	7.5 m	8.0 m	8.5 m	9.0 m	10 m
VB 88 ETC	-	-	-	-	-	-	-	-	-	-	7 473

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

DIMENSIONS

		ABG 7920
LENGTH WITH VARIO SCREED (WALKWAY UP)	mm	6 072
LENGTH	mm	6 237
WIDTH	mm	2 548
HEIGHT	mm	3 783
HEIGHT (TRANSPORT)	mm	2 916

WEIGHT

TRACTOR UNIT	kg	14 320
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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 continuous towing arms, with push roller D=160 mm and incl. 75 kg driver.

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	83
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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

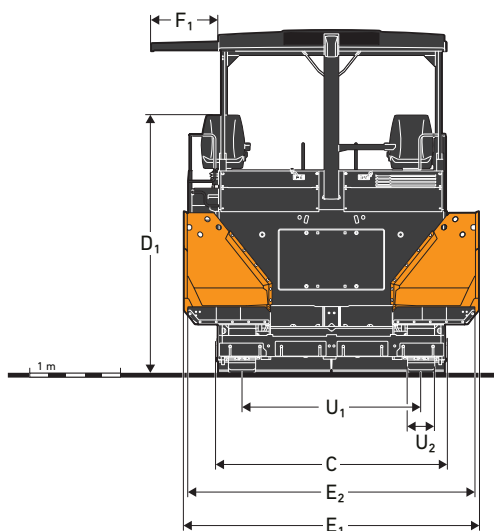
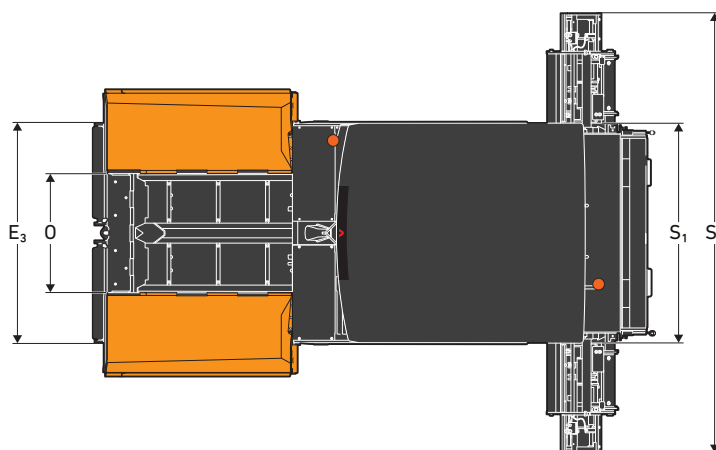
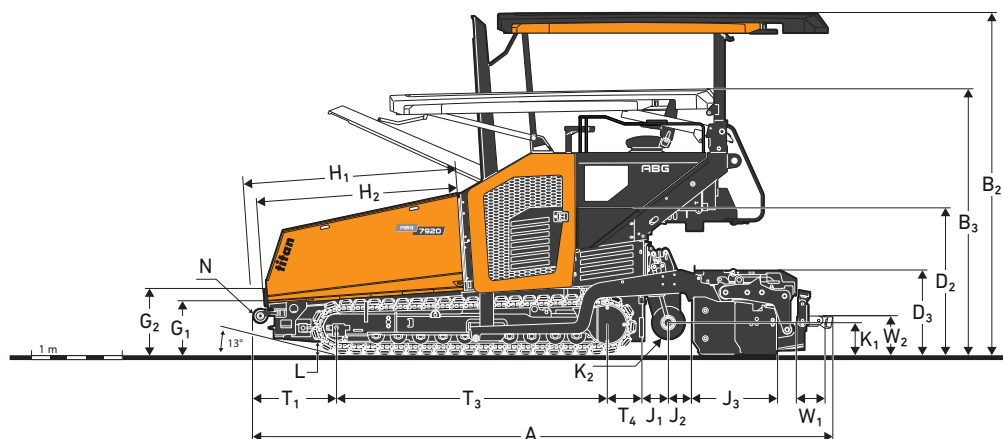
ELECTRICAL SYSTEM

BATTERY VOLTAGE	V	24
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TRACKED ASPHALT PAVERS

DIMENSIONS [mm] ABG 7920

A	6 387
B ₂	3 784
B ₃	2 916
C	2 548
D ₁	2 874
D ₂	1 614
D ₃	936
E ₁	3 255
E ₂	3 175
E ₃	2 495
F ₁	770
G ₁	599
G ₂	734
H ₁	2 342
H ₂	2 219
J ₁	275
J ₂	259
J ₃	932
K ₁	360
K ₂	360
L	155
N	160
O	1 325
S ₁	3 000
S ₂	6 000
T ₁	918
T ₃	2 984
T ₄	398
U ₁	1 974
U ₂	302
W ₁	315
W ₂	435



EQUIPMENT

STANDARD EQUIPMENT

Engine

- Volvo (Deutz) Diesel engine, CEV Stage IV

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
- Reversible conveyor
- Heavy duty auger 10 m
- Auger quick lock system
- Auger extensions and additional auger bearings
- Hydraulic auger height adjustment
- Proportional ultrasonic sensor auger control

Electrics and electronics

- Electronic Paver Management (EPM 3) Main Control Panel
- Set of Basic Screed control Units
- ECO mode
- Settings Manager
- Service Interval Manager

- Battery master switch
- Electric switch cabinet
- 3D leveling ready (grade control)
- MATRIS

Structure

- All-weather roof of GRP (glass-fibre reinforced plastic) with side extensions
- Adjustable and revolving main control panel at operator platform
- Manual hydraulically foldable Weather roof
- Two seats, laterally extendable
- Storage space below seats
- Anti-vandalism kit
- Near field mirrors at weather roof extensions
- ABG Key

Screed

- VB 88 ETC 6.0–10.0
- Split towing arms
- Hydraulic crown adjustment vario screeds

Lights

- Operator's platform lighting
- Road Lights according to India Homologation
- Work Light Plus Kit

Environmental

- Sound insulation
- High pressure cleaning gun

OPTIONAL EQUIPMENT

Material management

- Individual operating hopper wings

Electrics and electronics

- Four 230V power sockets
- CareTrack, GSM installation

Screed

- Screed spacer blocks 56 mm
- Screed assist
- Screed anti-climbing lock

- Screed load device

- Screed tensioning device

Levelling equipment

- Mobamatic 2 Controller
- Levelling Kit Mobamatic 2; 2 Sonic Ski, Slope
- Sensor Rotary
- Sensor Slope at max 7 m
- Bracket Kit Grade Sensor
- Bracket Kit Slope Sensor

Lights

- Warning beacons LED