ABG 8820L

ASPHALT PAVERS
TRACKED

CHINA 4



Big projects

- High level performance on large paving projects with up to 13-meter paving width
- Outstanding machine stability, excellent surface contact with long and wide tracks
- Premium Volvo (Deutz) China 4 engine provides prominent power for big projects
- Best performance with versatile applications of asphalt, concrete and CTB paving
- Extra-long hopper with 16.2 t capacity for extra-large trucks

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
- Adaptive Eco Mode and optimized RPM reduce noise levels and fuel consumption
- Unhampered visibility around the paver
- Home light functionality for the platform light

Enduring quality

- Optimum material flow with a big conveyor tunnel for up to 1100 t/h
- Auto track tensioner for directional stability*
- Optimum material flow with increased auger height adjustment range
- 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 at a width up to 13 meters with fixed screeds (single or double tamper)
- Vario screed ends available for fixed screeds
- 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
- Cement Treated Base (CTB) compatible

Focus on uptime

- Service access from the platform provides ease of maintenance
- Service Interval Manager notifies the operator of required maintenance
- Connected services with PSR telematic hardware
- ABG service kits save time, lower costs and offer the latest technical advantages

**AN ABG EXCLUSIVE FEATURE*

AMMANN

ABG 8820L

China 4

ENGINE		ABG 8820L
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		China 4

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	16.2
NUMBER OF CONVEYORS		2
CONVEYOR SPEED (MAX)	m/min	23

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

WEIGHT		ABG 8820L
TRACTOR UNIT	kg	17 300

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

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	85
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

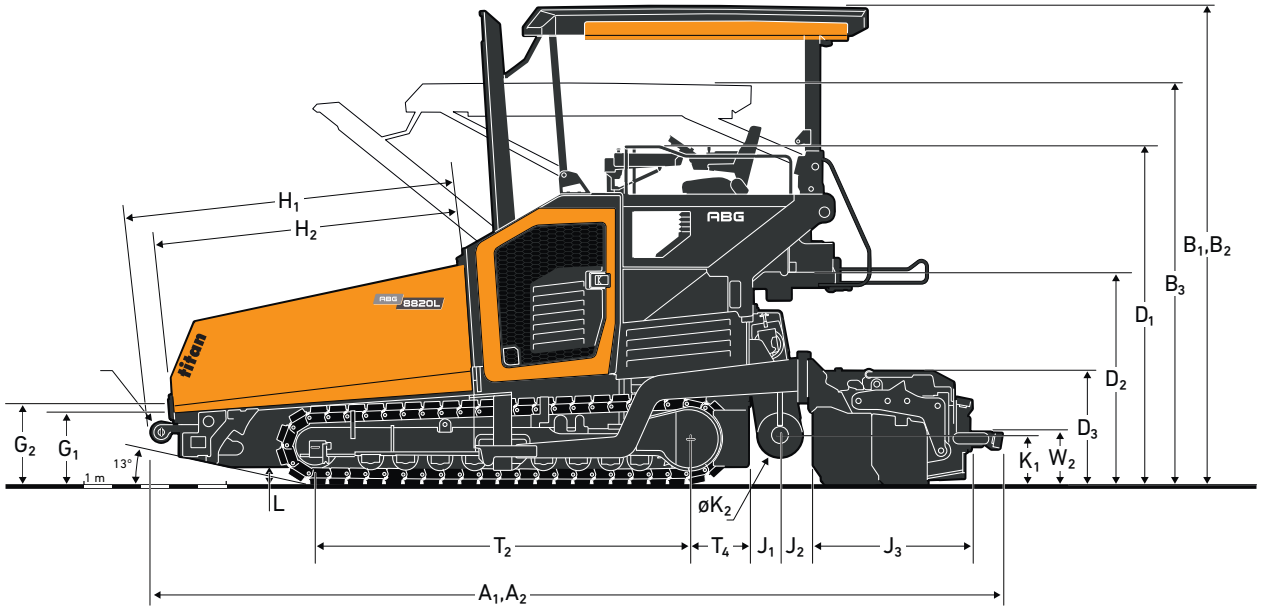
ELECTRICAL SYSTEM		
BATTERY VOLTAGE	V	24

OPERATING WEIGHTS[1] OF SCREEDS IN KG[2] AT WORKING WIDTH

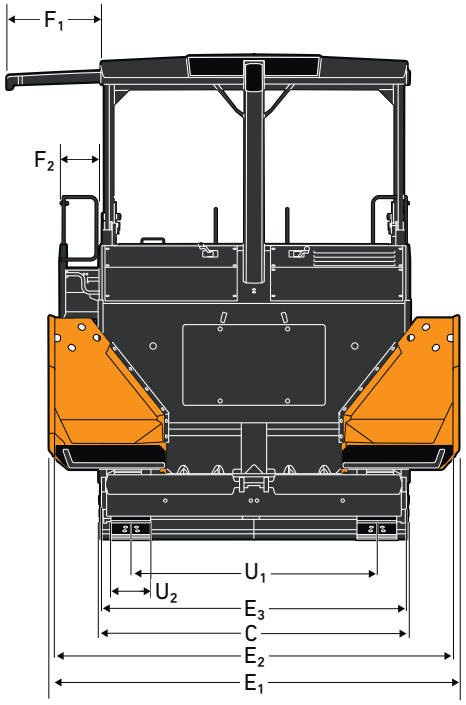
ABG 8820L	2.5 m	5 m	6 m	6.5 m	7.5 m	8 m	8.5 m	9 m	9 m (V)	10 m	11 m	12 m	12 m (V)	13 m
VB 78 ETC	-	3 600	-	5 222	5802	6 342	-	6 923	-	-	-	-	-	-
VDT-V 78 ETC	-	3 850	-	5 592	6 192	6 832	-	7 433	-	-	-	-	-	-
VB 79 ETC	-	4 050	-	5 672	5 252	6 922	-	7 373	-	-	-	-	-	-
VDT-V 79 ETC	-	4 300	-	6 042	6 642	7 282	-	7 883	-	-	-	-	-	-
VB 88 ETC	-	-	4 050	-	5 772	-	6 352	6 892	-	7 473	-	-	-	-
VDT-V 88 ETC	-	-	4 450	-	6 242	-	6 842	7 482	-	-	-	-	-	-
VB 89 ETC	-	-	4 500	-	6 222	-	6 802	7 342	-	-	-	-	-	-
VDT-V 89 ETC	-	-	4 800	-	6 422	-	7 242	7 882	-	-	-	-	-	-
MB 122 ETC	2 242	-	4 456	-	6 076	-	-	6 828	7 454	8 050	8 575	9 070	9 679	9 878
VDT 121 ETC	2 442	-	4 903	-	6 680	-	-	7 531	8 193	-	-	10 029	10 675	10 975

[1] *Including auger extensions, channel plates, end gates, towing arms rear, etc.*
[2] *All screeds electrically heated*

TRACKED ASPHALT PAVERS



DIMENSIONS [MM]		ABG 8820L
A_1	OPERATING LENGTH	7 067
A_2	SHIPPING LENGTH	7 067
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	2 649
H_2	HOPPER LENGTH	2 453
J_1	DISTANCE REAR WALL AUGER CENTRE	275
J_2	DISTANCE AUGER CENTRE SCREED	339
J3	SCREED DEPTH	1 430
K_1	AUGER HEIGHT TO GROUND (CENTER)	422
K_2	DIAMETER AUGER	360
L	GROUND CLEARANCE	166
N	DIAMETER PUSH ROLLER	160
O	CONVEYOR WIDTH	1 430
BASIC SCREED WIDTH VB78+VB79		2 500
BASIC SCREED WIDTH VB88+VB89		3 000
EXTENDED SCREED WIDTH VB78+VB79		5 000
EXTENDED SCREED WIDTH VB88+VB89		6 000
T_2	TRACK LENGTH	3 120
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



AMMANN

EQUIPMENT

STANDARD EQUIPMENT

Engine

- Volvo (Deutz) Diesel engine, China 4

Drive

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

Material management

- Heavy push rollers
- Proportional conveyor sensors
- 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
- Hydraulic auger height adjustment
- Reversible conveyor
- Central lubrication

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
- MATRIS
- PSR telematics

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

Screed

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

Lights

- Operator's platform lighting
- Home light function

Environmental

- Sound insulation

OPTIONAL EQUIPMENT

Material management

- Individual operating hopper wings

Electrics and electronics

- 230 V power sockets
- High ambient temperature fan
- On-board diagnostic function for fixed screed heating bars
- Levelling equipment

Screed

- Screed spacer blocks
- Screed assist
- Screed anti-climbing lock
- Screed load device
- Screed tensioning device
- Hydraulic height Adjustment of Extendable Screed

Lights

- Basic Kit Halogen
- Warning beacons LED

Environmental

- High performance spray cleaning unit

For additional product information and services please visit: **www.ammann.com**
Materials and specification data are subject to change without notice.
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