

ABG 5320

ASPHALT PAVERS TRACKED

CEV STAGE IV



Productive paving

- Built on specially designed large frame
- Strong structure to push 40t trucks
- High-capacity hopper
- Heavy-duty push rollers, 160 mm diameter
- Thermo-controlled variable fan speed optimizes the load on the engine

Fuel efficient engine

- 105 kW Volvo (Deutz) engine
- High torque at low rpm
- Auto engine idle
- Low noise levels

Omni V: the screed to succeed

- Most rigid Variomatic screed in the industry for great pre-compaction of mat
- Vibrating and tamping, with chamfered tamping bar
- Wide tamping bar for long life
- Easy width changes from 2.5 to 4.75 m
- Crown adjustment $\pm 3\%$
- Automatic screed plates heat control, plate independent

Take control

- New-generation EPM: intuitive control
- All-round visibility, mirrors and work lights
- Adjustable seat and sliding console
- Foldable all-weather roof, hydraulically-operated
- Easy access to hopper lock handle from platform
- "Cross operation" function on screed control unit enables to control the other side of the screed

Keep on paving

- Easy access daily maintenance points
- Service Interval Manager, On-board diagnostics
- Hydraulically direct driven generator: removed maintenance requirement
- Quick track pad changes
- Idler rollers
- Care Kits: ensure optimum part performance and lifetime

Flawless finish

- Automatic conveyor and auger control
- Adjustable auger height
- ABG patented automatic track tensioner

ABG 5320

CEV Stage IV

ENGINE		ABG 5320
MANUFACTURER		Volvo (Deutz)
MODEL		TAD 570VE
FUEL		Diesel
OUTPUT	kW	105
	hp	143
AT ENGINE SPEED	r/min	2 300
COOLANT		Liquid
FUEL TANK CAPACITY	l	230
EXHAUST EMISSION		CEV Stage-IV

PAVING

OUTPUT (THEORETICAL)*	t/h	600
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	17
TRANSPORT (MAX)	km/h	3.3

UNDERCARRIAGE

LENGTH	mm	2 618
WIDTH (TRACK PLATES)	mm	300

CONVEYOR

HOPPER CAPACITY	t	12
NUMBER OF CONVEYORS		2
CONVEYOR SPEED (MAX)	m/min	23

AUGER

NUMBER OF AUGERS		2
SPEED (MAX)	1/min	82
DIAMETER	mm	360

OPERATING WEIGHTS* OF SCREEDS IN KG AT WORKING WIDTH

ABG 5320	2.5 m	4.75 m	5.5 m	6.0 m	6.25 m	7.0 m	7.5 m
OMNI V	3 590	3 880	4 270	4 445	4 515	5 270	5 445

*Including auger extensions, channel plates, end gates.

DIMENSIONS		ABG 5320
LENGTH WITH VARIO SCREED (WALKWAY UP)	mm	6 099
WIDTH	mm	2 664
HEIGHT	mm	3 767
HEIGHT (TRANSPORT)	mm	2 974

WEIGHT

TRACTOR UNIT	kg	13 820
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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 Omni-V 2.5-4.75 m.
When using extensions the max. allowable gradeability will be reduced.

SOUND LEVEL

L_{WA} Sound Power Level, according to ISO 6393	dB	107
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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

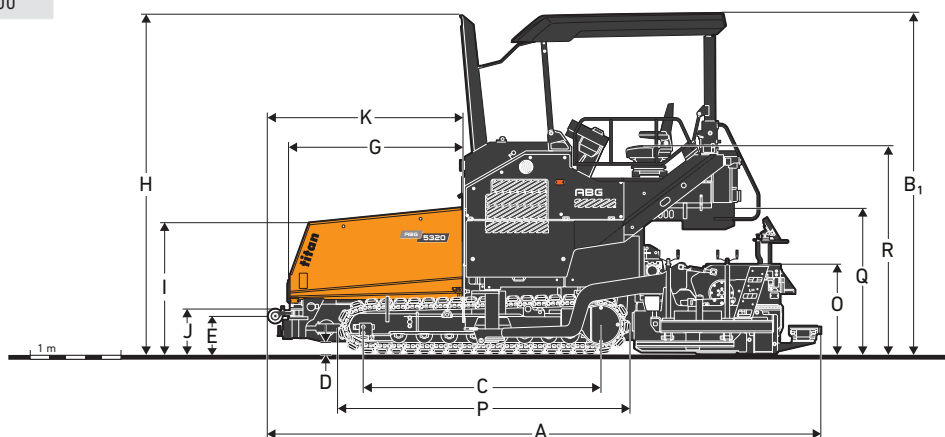
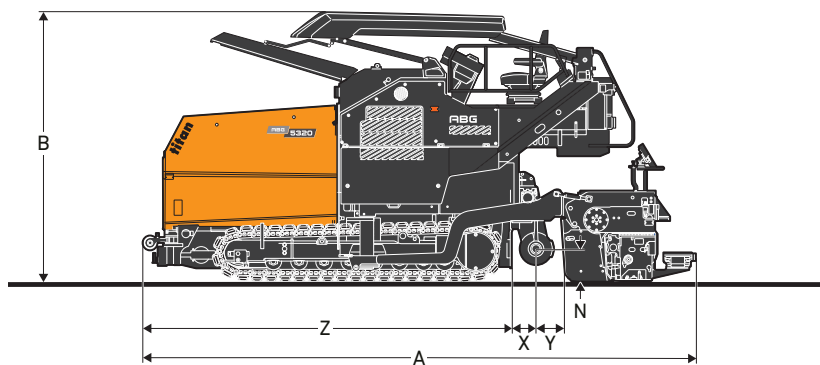
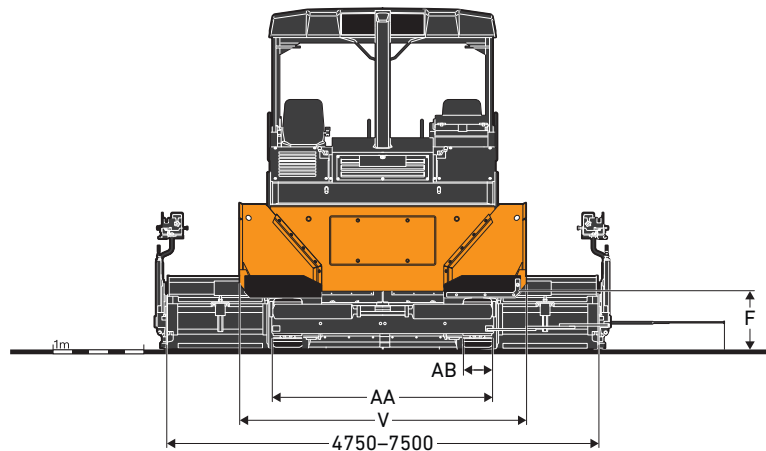
BATTERY VOLTAGE	V	24
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TRACKED ASPHALT PAVERS

DIMENSIONS [mm]

ABG 5320

A	OPERATING LENGTH/ SHIPPING LENGTH	6 099
B	SHIPPING HEIGHT WEATHER ROOF	2 974
B ₁	OPERATING HEIGHT WEATHER ROOF	3 767
C	TRACK LENGTH	2 618
D	GROUND CLEARANCE	155
E	PUSH ROLLER CENTER TO GROUND	435
F	HOPPER INNER CHARGING HEIGHT	643
G	HOPPER LENGTH	1 912
H	HEIGHT OF EXHAUST STACK	3 742
I	DISTANCE OF HOPPER FRONT TOP TIP POINT	1 457
J	DISTANCE OF TIP OF PUSH ROLLER TO GROUND	515
K	HOPPER LENGTH TO PUSH ROLLER	2 145
N	DISTANCE AUGER CENTRE TO GROUND	360±60
O	SCREED HEIGHT	1 002
P	DISTANCE OF TANGENT OF TRACK PAD FRONT TO REAR	3 220
Q	DECK/PLATFORM HEIGHT	1 615
R	SEAT HEIGHT FROM GROUND	2 293
V	OUTER HOPPER WIDTH	3 171
X	DISTANCE REAR WALL AUGER CENTRE	267
Y	DISTANCE AUGER CENTRE TO SCREED	318
Z	DISTANCE REAR WALL TO PUSH ROLLER OUTER TIP	4 065
AA	TRACK GAUGE	2 269
AB	TRACK PAD WIDTH	300
	DIAMETER OF PUSH ROLLER	160
	DIAMETER OF AUGER FLIGHTS	360
	BASIC SCREED WIDTH OMNI V	4 750
	MAX SCREED WIDTH OMNI V	7 500



EQUIPMENT

STANDARD EQUIPMENT

Engine

- TAD570VE Volvo (Deutz) engine, BS IV CEV-105 kW/143 HP

Drive

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

Material management

- Heavy push rollers
- Four individual hydrostatic drives for conveyors and augers
- Auger speed control ON/OFF
- Reversible direction of auger rotation
- Independent augers and conveyors
- Manual auger height adjustment
- Automatic material flow control
- Heavy duty conveyor Kit
- Reversible direction of conveyors

Electrics and electronics

- Electronic Paver Management (EPM 2.5)
- Back-lit controls
- Settings Manager
- Service Interval Manager
- Slidable control station (left to right)
- Two adjustable and revolving screed control panels

- Battery master switch
- Back-up alarm
- USB Mobile Charger
- 24V sockets at Fuse and relay distribution box

Structure

- Manual folding all-weather roof Glass-fibre Reinforced Plastic (GRP)
- Two seats
- Integrated vandalism protection
- Tool kit
- Storage compartments under both seats
- Mobile holder

Screed

- Screed towing arms, continuous version
- Screed lock
- Hydraulics for Vario screeds with tamper and vibration
- Electrical thermal control screed plate
- Hydraulically extendable Screed 2.5 to 4.75 m

Lights

- Driver's compartment lighting
- Two working lights
- Two Auger Tunnel lights

Environmental

- Sound insulation for engine compartment and operator station
- Diesel Spray cleaning system

OPTIONAL EQUIPMENT

Material management

- Auger extensions and additional auger bearings
- Conveyor Guard plate Kit
- Proportional ultrasonic sensor auger control
- Conveyor drive Medium duty

Electrics and electronics

- Levelling equipment: Sonic Grade sensor

Screed

- Screed assist
- Bolt-on extension kits: 5.5–7.5 m

Lights

- Beacon light
- Additional Work lights