

ABG 5420

ASPHALT PAVERS TRACKED

CEV V



Productive paving

- Built on specially designed large frame
- Strong structure to push 40 t 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

- 101 kW Eicher 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

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ENGINE

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MANUFACTURER		EICHER
MODEL		E494 TCIC
FUEL		Diesel
OUTPUT	kW	101
	hp	135
AT ENGINE SPEED	r/min	2200
COOLANT		Liquid
FUEL TANK CAPACITY	l	230
EXHAUST EMISSION		CEV V

PAVING

OUTPUT (THEORETICAL)*

with double conveyor	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	2669
WIDTH (TRACK PLATES)	mm	300
NUMBER OF ROLLERS		6 + 2

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

DIMENSIONS

ABG 5420

LENGTH WITH OMNI V SCREED	mm	6099
WIDTH (TRANSPORT)	mm	2664
HEIGHT	mm	3767
HEIGHT (TRANSPORT)	mm	2974

WEIGHT

TRACTOR UNIT	kg	13 820
OVERALL WEIGHT	kg	16 750

Approximative weight, without options.

Diesel tank half-full, 75 kg operator, standard hopper and weather roof included.

MAX. ALLOWABLE GRADEABILITY

TRACTOR UNIT + SCREED	%	25
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When using extensions the max. allowable gradeability will be reduced.

SOUND LEVEL

L_{PA} Sound Power Level Stationary Test Conditions (IS/ISO:6393:2008)	dB	107
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L_{PA} Sound Power Level Dynamic Test Conditions (IS/ISO:6395:2008)	dB	109
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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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OPERATING WEIGHTS* OF SCREEDS IN KG

ABG 5420	2.5 m	4.75 m	5.5 m	6.0 m	6.25 m	7.0 m	7.5 m
OMNI V	3590	3880	4270	4445	4515	5270	5445

*Including auger extensions, channel plates, end-gates.

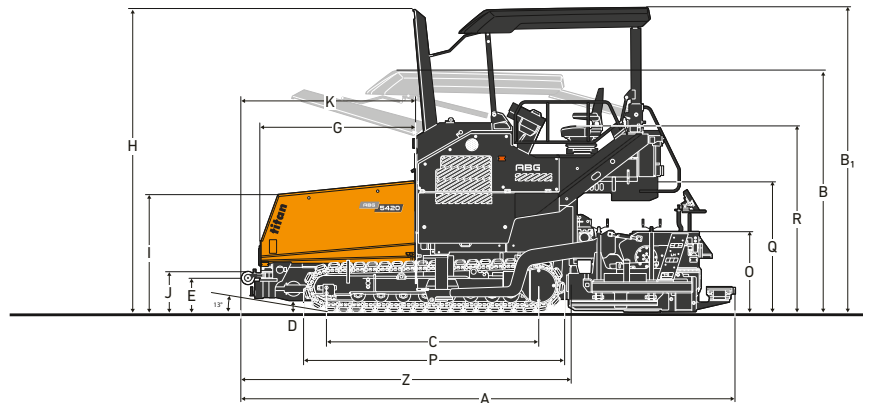
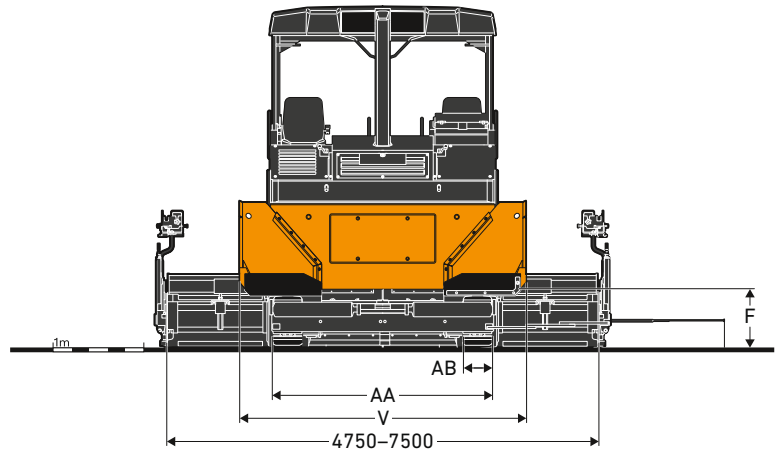


TRACKED ASPHALT PAVERS

DIMENSIONS [mm]

ABG 5420

A	OPERATING LENGTH/ SHIPPING LENGTH	6099
B	SHIPPING HEIGHT WEATHER ROOF	2974
B ₁	OPERATING HEIGHT WEATHER ROOF	3767
C	TRACK LENGTH	2618
D	GROUND CLEARANCE	155
E	PUSH ROLLER CENTER TO GROUND	435
F	HOPPER INNER CHARGING HEIGHT	643
G	HOPPER LENGTH	1912
H	HEIGHT OF EXHAUST STACK	3742
I	DISTANCE OF HOPPER FRONT TOP TIP POINT	1457
J	DISTANCE OF TIP OF PUSH ROLLER TO GROUND	515
K	HOPPER LENGTH TO PUSH ROLLER	2145
N	DISTANCE AUGER CENTRE TO GROUND	360 ± 60
O	SCREED HEIGHT	1002
P	DISTANCE OF TANGENT OF TRACK PAD FRONT TO REAR	3220
Q	DECK/PLATFORM HEIGHT	1615
R	SEAT HEIGHT FROM GROUND	2293
V	OUTER HOPPER WIDTH	3171
X	DISTANCE REAR WALL AUGER CENTRE	267
Y	DISTANCE AUGER CENTRE TO SCREED	318
Z	DISTANCE REAR WALL TO PUSH ROLLER OUTER TIP	4065
AA	TRACK GAUGE	2269
AB	TRACK PAD WIDTH	300
	DIAMETER OF PUSH ROLLER	160
	DIAMETER OF AUGER FLIGHTS	360
	BASIC SCREED WIDTH OMNI V	4750
	MAX SCREED WIDTH OMNI V	7500
	ANGLE OF APPROACH (DEGREE)	13°



EQUIPMENT

STANDARD EQUIPMENT

Engine

- Volvo (Penta) engine, CEV Stage IV

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
- Auger extensions and additional auger bearings
- Reversible direction of auger rotation
- 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) main control panel
- Back-lit control
- Settings Manager
- Service Interval Manager
- Slidable control station (left to right)
- Two adjustable and revolving screed control units
- Battery master switch
- Back-up alarm
- USB Mobile Charger
- 24V sockets at Fuse and relay distribution box

Structure

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

Screed

- Screed towing arms, continuous version
- Screed lock
- Screed assist
- Hydraulically extendable Screed 2.5 to 4.75 m
- Bolt-on extension kits 4.75 to 7.5 m
- Hydraulics for Vario screeds with tamper and vibration
- Electrical thermal control screed plates

Levelling Equipment

- Moba-Matic Controller
- Sensor Rotary
- Sensor Slope at max 7 m
- Bracket Kit Grade Sensor
- Bracket Kit Slope Sensor

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

- Conveyor Guard plate Kit
- Proportional ultrasonic sensor auger control
- Conveyor drive Medium duty

Levelling Equipment

- Sonic Grade sensor

Lights

- Warning beacons LED
- Additional working lights