

ABG 4370

ASPHALT PAVERS WHEELED

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

Superior traction and mobility

- Large rear wheels, high drive force
- Front wheel assist with load dependent torque control system
- Hydraulic self-leveling suspension system: perfect balance
- Travel with speed and ease across the work site

Fuel efficient engine

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

Flawless finish

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

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

Maximum uptime

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

ABG 4370

CEV Stage IV

ENGINE		ABG 4370
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	45
TRANSPORT (MAX)	km/h	14

PROPULSION

DRIVE UNITS REAR	2
DRIVE UNITS FRONT	2

WHEEL/TYRES

REAR WHEELS	
TYPE	Pneumatic tyres
NUMBER	2
DIMENSION	14 x 25-20 PR. Off road tyres

FRONT STEERING WHEELS	
TYPE	Solid rubber tyres
NUMBER	2 (4 option)
DIAMETER	mm 580
WIDTH	mm 340

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 4370
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	12 300
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All weights are approx. weights without options.
Weight of the tractor: 75 kg operator, tyres filled with water, Diesel tank half-full 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 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
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OPERATING WEIGHTS* OF SCREEDS IN KG AT WORKING WIDTH

ABG 4370	2.5 m	4.75 m	5.5 m	6.0 m
OMNI V	3 590	3 880	4 270	4 445

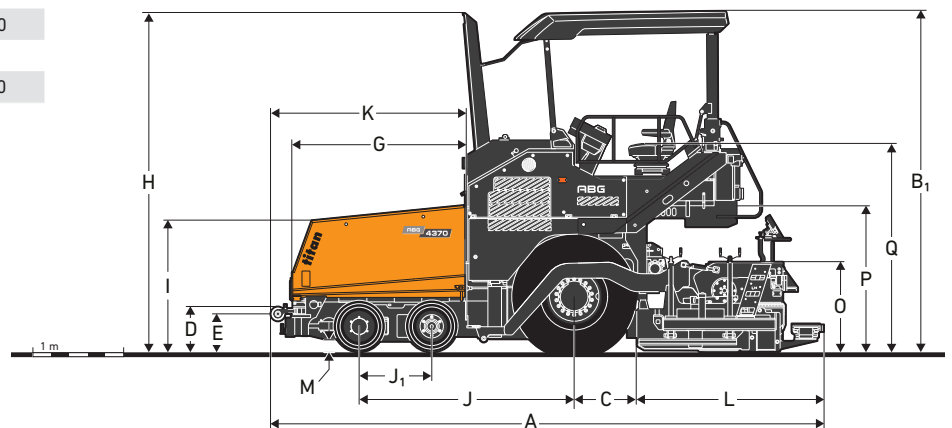
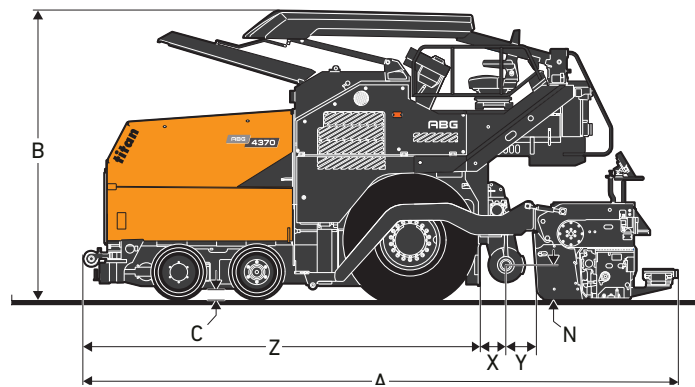
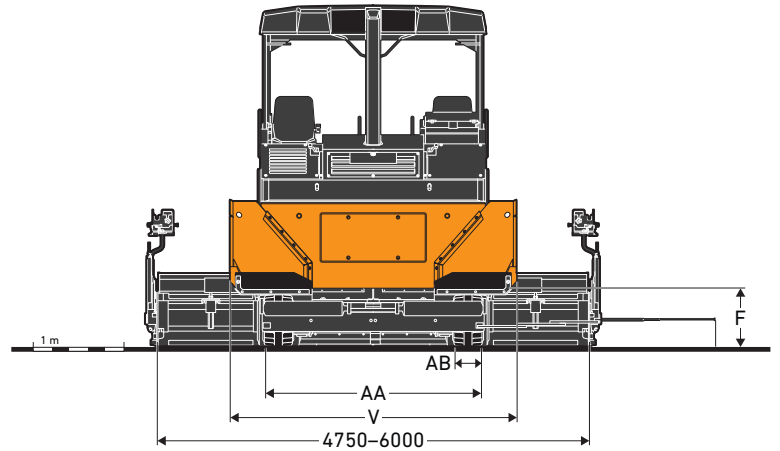
* Including auger extensions, channel plates, grating plates (No rear Tow Arms).

WHEELED ASPHALT PAVERS

DIMENSIONS [mm]

ABG 4370

A	OPERATING LENGTH/SHIPPING LENGTH	6 099
B	SHIPPING HEIGHT WEATHER ROOF	2 974
B ₁	OPERATING HEIGHT WEATHER ROOF	3 767
C	DISTANCE REAR WALL TO CENTER OF REAR WHEEL	720
D	DISTANCE OF TIP OF PUSH ROLLER TO GROUND	505
E	PUSH ROLLER CENTER TO GROUND	425
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	WHEEL BASE	2 370
J ₁	DISTANCE FRONT WHEELS	800
K	HOPPER LENGTH TO PUSH ROLLER	2 145
L	DISTANCE OF REAR WALL TO SCREED WALKWAY OUT	2 065
M	GROUND CLEARANCE	117
N	DISTANCE AUGER CENTRE TO GROUND	360±60
O	SCREED HEIGHT	1 002
P	DECK/PLATFORM HEIGHT	1 615
Q	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	WHEEL GAUGE	2 429
AB	WHEEL WIDTH	340
	DIAMETER OF PUSH ROLLER	160
	DIAMETER OF AUGER FLIGHTS	360
	BASIC SCREED WIDTH OMNI V	4 750
	MAX SCREED WIDTH OMNI V	6 000
	DIAMETER OF FRONT WHEEL	580
	DIAMETER OF REAR WHEEL	1 370



EQUIPMENT

STANDARD EQUIPMENT

Engine

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

Drive

- Electronic drive control
- Independent rear wheel drives
- Driven front axle 2x2
- Hydraulic ride levelers
- Load dependent efficient drive system
- Rear wheels with ballast

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
- Heavy duty conveyor Kit
- Manual auger height adjustment
- Automatic material flow control
- 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 Assist
- 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

Drive

- Driven front axle 2X4

Material management

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

Electrics and electronics

- Levelling equipment
- Sonic Grade sensor

Screed

- Screed force down
- Bolt-on extension kits: 5.5–6.0 m

Lights

- Beacon light
- Additional Work lights