

P4370_{ABG}

Volvo Wheeled Pavers 2.5-6.0 m 105 kW



Ultimate paving performance

Productive paving

- Built on specially designed large frame
- Strong structure to push 40t trucks
- High-capacity hopper
- Heavy-duty push rollers, 160mm 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

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

Flawless finish

- Automatic conveyor and auger control
- Adjustable auger height
- Volvo 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 2.5m to 4.75m
- Crown adjustment +/- 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: no maintenance requirement
- Care Kits: ensure optimum part performance and lifetime

Specifications

Engine		
Manufacturer	Volvo penta	
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	
Electrical System		
Battery voltage	V	24
Paving		
Output (theoretical)*	t/h	600
Mat thickness (max.)	mm	300
Speed		
Paving (max.)	m/min	45
Transport (max.)	km/h	14
Propulsion		
Drive units rear	number	2
Drive units front	number	2
Wheel/Tires		
Rear wheels		
Type	Ballast Pneumatic tires	
Number	number	2 (4 option)
Dimension	14 x 25- 20PR. OFF ROAD TYRES	
Front steering wheels		
Type	Solid rubber tires	
Number	4	
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		
Length	mm	6 099
Width	mm	2 664
Height	mm	3 767
Height (transport)	mm	2 974
Weight**		
Tractor unit	kg	12 300
Max. allowable gradeability***		
Tractor unit + screed	%	25
Sound Level		
Sound Power Level, according to ISO 6393		
LWA	dB	107
Additional notes if required (noise reduction kit for example ...)		
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

DIMENSIONS			
			P4370D
A	Operating length/Shipping length	mm	6099
B	Shipping height weather roof	mm	2974
B1	Operating Height weather roof	mm	3767
C	Distance rear wall to center of rear wheel	mm	720
D	Distance of tip of push roller to ground	mm	505
E	Push Roller Center to ground	mm	425
F	Hopper inner charging height	mm	643
G	Hopper length	mm	1912
H	Height of exhaust stack	mm	3742
I	Distance of hopper front top tip point	mm	1457
J	Wheel base	mm	2370
J1	Distance front wheels	mm	800
K	Hopper length to push roller	mm	2145
L	Distance of rear wall to screed walkway out	mm	2065
M	Ground clearance	mm	117
N	Distance auger centre to ground	mm	360±60
O	Screed height	mm	1002
P	Deck/Platform height	mm	1615
Q	Seat height from ground	mm	2293
V	Outer hopper width	mm	3171
X	Distance rear wall auger centre	mm	267
Y	Distance auger centre to screed	mm	318
Z	Distance rear wall to push roller outer tip	mm	4065
AA	Wheel gauge	mm	2769
AB	Wheel width	mm	340
	Diameter of Push roller	mm	160
	Diameter of Auger flights	mm	360
	Angle of approach	deg	12.5
	Basic screed width Omni V	m	4.75
	Max Screed width Omni V	m	6
	Diameter of front wheel	mm	580
	Diameter of rear wheel	mm	1370

Screed weights*-P4370D					
Working width		2.5 m	4.75 m	5.5 m	6.0 m
Omni V	kg	3 590	3 880	4 270	4 445

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

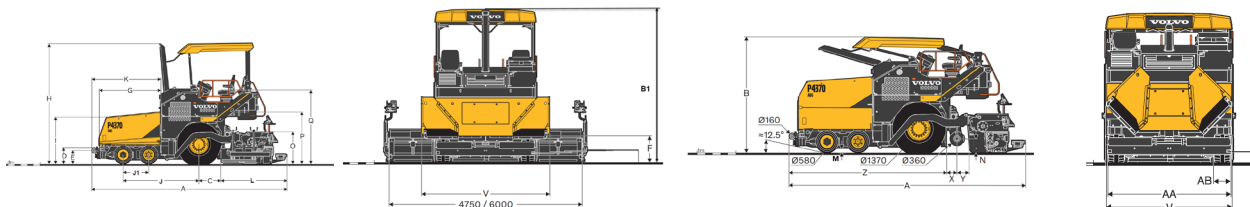
Notes

*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. Please approach us and we will be pleased to assist you in calculating the paving output for your particular paving project.

**All weights are approx. weights without options. Weight of the tractor:75 kg operator, tires filled with water, Diesel tank half-full and weather roof included.

***Applies to screed Omni-V 2.5-4.75 m. When using extensions the max. allowable gradeability will be reduced

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.



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