

V O L V O



Volvo Wheeled Pavers 1.8-4.5 m 55.4 kW

P2870D ABG

Volvo Construction Equipment

P2870D ABG



Paving versatility



All-around talent

- Quiet and clean: low noise, low emissions
- Single or dual conveyor configurations
- Individually operated hopper wings
- 2-meter turning radius
- 9-tonne hopper capacity
- 110-liter fuel tank capacity



Comfort and convenience

- Fully adjustable operator station
- All-weather roof, optional side glazed areas
- New storage areas
- EPM3: intuitive controls, from bigger pavers



The need for screed

- New VB40 screed: pave up to 4.5 meters
- Slim hydraulically controlled end-gates
- Fully adjustable screed console



High uptime, lower costs

- Easy battery access, with external panel for jump starting
- 3 lubricating points, low daily maintenance
- Maintenance-free bearings for conveyor
- Diesel Particulate Filter with no SCR and no AdBlue
- CareTrack telematics system



The wheel deal

- 6x4 wheel drive
- Ride levelers **A VOLVO EXCLUSIVE**
- 16km/h transport speed

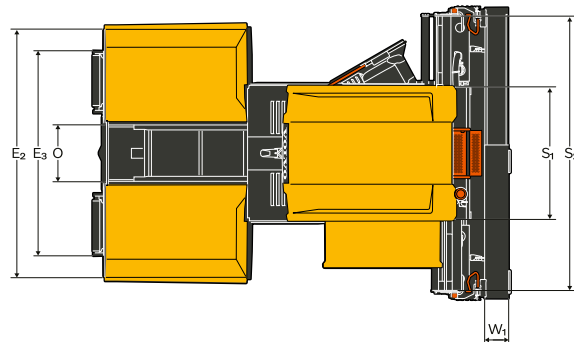
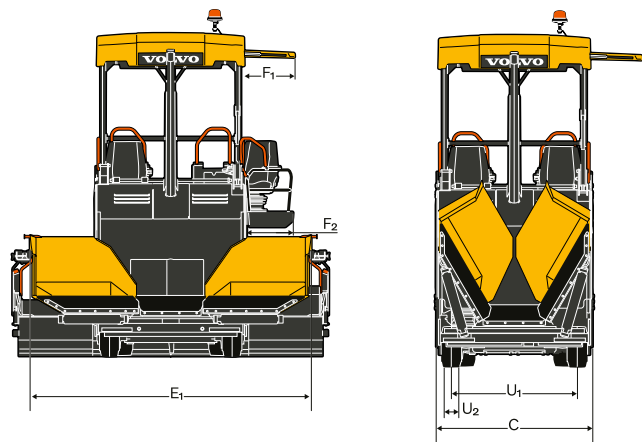
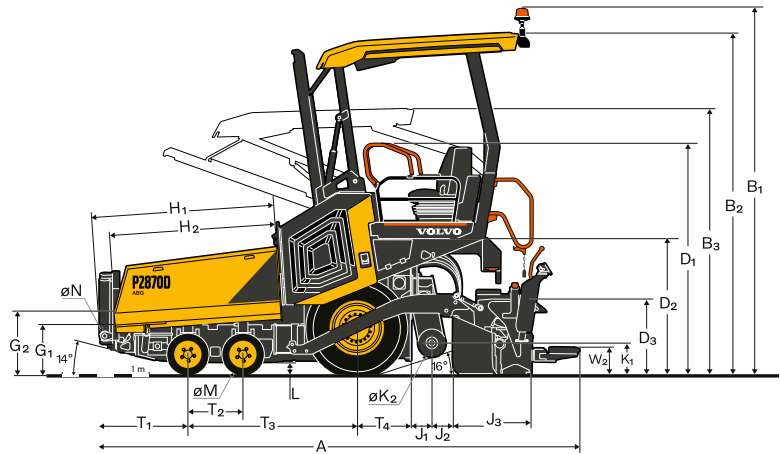
Volvo P2870D ABG in detail

Engine		
Manufacturer		Volvo
Model		D3.8H
Fuel		Diesel
Output	kW	55.4
	hp	75.3
at engine speed	r/min	2 200
Coolant		Liquid
Fuel tank capacity	l	110
Exhaust emission		EU Stage V
Paving		
Output (theoretical)*	t/h	330 with single conveyor 230 with double conveyor
Mat thickness (max)	mm	250
Speed		
Paving (max.)	m/min	20
Transport (max.)	km/h	16
Propulsion		
Drive units rear	number	2
Drive units front	number	2
Wheel/Tires		
Rear wheels		
Type		Pneumatic tires
Number	number	2
Dimension		365 / 80 R20
Front steering wheels		
Type		Elastic tires
Number		4
Diameter	mm	457
Width	mm	229
Conveyor		
Hopper capacity	t	9
Number of conveyors		1 or 2
Conveyor speed (max)	m/min	17.9
Auger		
Number of augers		2
Speed (max.)	l/min	72
Diameter	mm	300
Electrical System		
Battery voltage	V	24
Dimensions		
Length with Vario Screed (Walkway up)	mm	4 871
Length (Walkway down)	mm	5 320
Width (tractor only)	mm	1 740
Operating height	mm	3 994
Shipping height	mm	2 899
Weight**		
Tractor unit	kg	7 635
Max. allowable gradeability***		
Tractor unit + screed	%	36
Sound Level		
Driver's ear, according to ISO 11201		
L _{pA}	dB	85
Guaranteed sound power level according to ISO 6395 / Directive 2000/14/EC		
L _{WA}	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
Notes		
*The actual paving output depends upon mat thickness, paving width and paving speed, and will vary according to conditions prevailing on your jobsite. We can assist you in calculating the paving output for a specific project.		
**Approximative weight, without options. Tires filled with water, diesel tank half-full, 75 kg operator, standard hopper and weather roof included.		
***When using extensions, the maximum allowable gradeability will be reduced.		

Specifications

DIMENSIONS

Description	Unit	P2870D ABG
A	Operating length	mm 5 320
B ₁	Operating height	mm 3 995
B ₂	Height weather roof	mm 3 720
B ₃	Shipping height	mm 2 899
C	Tractor width	mm 1 740
D ₁	Height railing	mm 2 523
D ₂	Deck height	mm 1 493
D ₃	Screed height	mm 877
E ₁	Outer hopper width	mm 3 240
E ₂	Inner hopper width	mm 3 103
E ₃	Width oscillating beam	mm 2 559
F ₁	Extension weather roof	mm 580
F ₂	Seat console extension	mm 542
G ₁	Inner loading height	mm 552
G ₂	Outer loading height	mm 701
H ₁	Hopper length to push roller	mm 1 985
H ₂	Hopper length	mm 1 805
J ₁	Distance rear wall auger centre	mm 225
J ₂	Distance auger screed	mm 230
J ₃	Screed depth	mm 850
K ₁	Auger height to ground (center)	mm 350-90
K ₂	Diameter auger	mm 300
L	Ground clearance	mm 145
M	Diameter wheel	mm 459
N	Diameter push roller	mm 160
O	Conveyor width	mm 710
S ₁	Basic screed width	m 1.8
S ₂	Extended screed width	m 3.5
T ₁	Front wheel/track to push roller	mm 960
T ₂	Distance front wheels	mm 600
T ₃	Track length/wheel base	mm 1 833
T ₄	Track/wheel distance to rear wall	mm 589
U ₁	Wheel/track gauge wheels/ tracks centre to centre	mm 1 410
U ₂	Track pad width/wheel width	mm 260
W ₁	Width of walkway	mm 300
W ₂	Height of walkway	mm 295



OPERATING WEIGHT¹ OF SCREED IN KG

At working width	3.5 m	4.0 m	4.5 m
VB 40 ETC min Mechanical crown control and standard end-gates	1 638	1 977	2 186
VB 40 ETC max Hydraulic crown and hydraulic end-gates	1 720	2 058	2 267

¹ Including auger extensions, channel plates, end-gates.

Equipment

STANDARD EQUIPMENT

Engine

Volvo diesel engine EU Stage V

Drive

Electronic drive control

Independent rear wheel drives

Driven front axle

Hydraulic ride levelers

Load dependent efficient drive system

Active steering

Rear wheels without ballast

Material Management

Proportional conveyor control

Reversible direction of auger rotation

Single conveyor

Mechanical auger height adjustment

Oscillating cross beam with two mounting positions

160 mm push roller

Electronics

Electronic Paver Management (EPM 3)

Settings Manager

Service interval manager

Adjustable and slideable control station

Two adjustable and revolving screed control panels

Battery master switch

Electric switching cabinet

Back-up alarm

Tool kit

MATRIS support

Structure

Manual folding all-weather roof Glass-fibre Reinforced Plastic (GRP)

Two swing out seats

Storage compartment under weather roof

Near field mirrors at weather roof

Volvo Green Key

Screed

VB 40 ETC 1.80 - 3.50 m

Mechanical crown adjustment

Screed lock

Split towing arms

Lights

Operator's platform lighting

Home light function

Environmental

Sound insulation für engine compartment and operator station

OPTIONAL EQUIPMENT

Material Management

Two independent conveyors

Reversible conveyor

Individual operating hopper wings

Mechanically operated front apron

Hydraulically operated front apron

Push-roller D160 plus 100 mm more space

Electronics

Lateral emergency stop

Additional socket 230V 50Hz

Traction isolator switch

CareTrack GSM / Satellite

Levelling equipment

Case for control panels

Structure

Deluxe seats with heating and USB charger

Electrohydraulic powered weather roof

Seat side windshield

Screed

Screed anti-climbing lock

Screed Assist

Hydraulic end-gates (VB 40)

Hydraulic heated end-gates (VB 40)

Hydraulic crown adjustment

Paving width reduction

Edging shoes 3/5/7/12 cm

Lights

Basic kit halogen lights

Basic kit LED lights

Full night kit LED

Warning beacon LED

Road travel lighting right-hand traffic

Road travel lighting left-hand traffic

Environmental

Extractor for bituminous fumes for with and without roof

Integrated emulsion spraying system with hose reel

High performance spray cleaning unit

Biodegradeable hydraulic oil and Bypass filter

Miscellaneous

Homologation Italy

Ballasted rear wheels

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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