

V O L V O



Volvo Tracked Pavers 2.5-7.5 m

# P5320B ABG

Volvo Construction Equipment



# Welcome to our world

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

## The road to success

Our range of road machinery combines the heritage of the Ingersoll Rand and ABG brands with the engineering excellence of Volvo. The result is a line-up of Volvo pavers and compactors which achieve an unrivalled level of quality, in both paving and compaction applications.

Building on our proud history, we continue to innovate our products to offer customers the best solutions for their operation. Our Compact Assist and Pave Assist products are just two examples of how we are developing intelligent solutions to ensure our machines deliver world-class performance and results long into the future.



## Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

### Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

### There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.

 <p><b>Fuel Efficiency Services</b></p>	 <p><b>Productivity Services</b></p>	 <p><b>Safety Services</b></p>
 <p><b>Financial Services</b></p>	 <p><b>Uptime Services</b></p>	 <p><b>Rental Services</b></p>
 <p><b>Volvo Attachments</b></p>	 <p><b>Genuine Volvo Parts</b></p>	 <p><b>New life Services</b></p>

**BUILDING TOMORROW**

# Powerful paver for demanding jobsites

Every Volvo ABG paver is the result of 75 years experience in the road construction industry. With ample reserve power, robust design, paving efficiency and Volvo's ease of operation, the tracked paver P5320B ABG is the ideal partner for medium and large-scale projects in paving widths from 2.5 m up to 7.5 m. Boost your paving quality and experience enhanced productivity with Volvo.

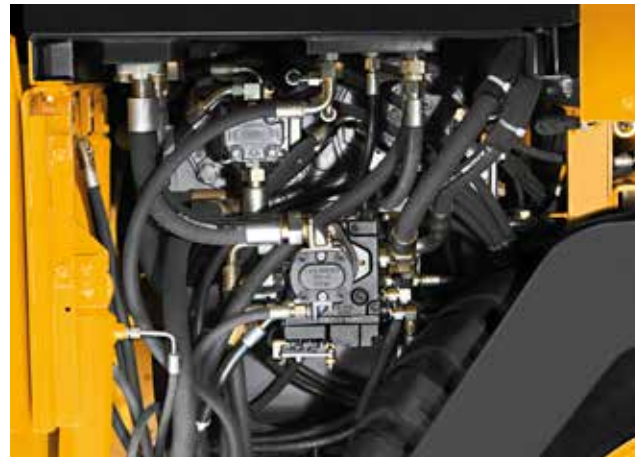
## Volvo Power

The best-in-class power of the Volvo D5 engine delivers optimum performance to push trucks and pull the Volvo screed of widths up to 7.5 meters with ease. Maximum power is delivered with minimal noise and low fuel consumption. A genuine Volvo paver from hopper to screed - an all in one solution.



## Volvo designed hydraulic system

The hydraulic system is matched to deliver consistent levels and smooth mat finish. All heavy-duty components are designed to complement each other while performing in the toughest conditions.



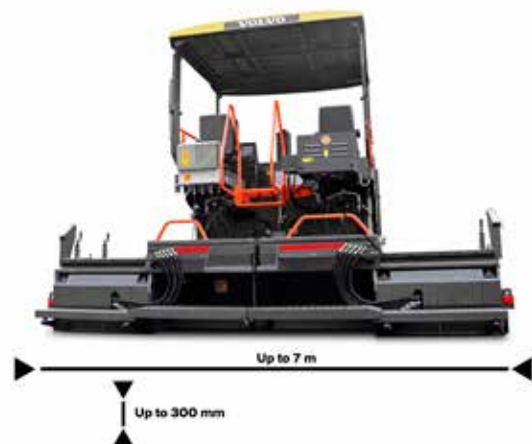
## Hydraulic track tensioner

The automatic full time track tensioning system maintains correct track tension for smooth operation while reducing track wear and minimizing downtime.



## Paving with up to 7.5m with the Volvo Omni V screed

Featuring a maximum paving width of 7.5 m using extensions, this proven variable width design employs on-the-go operation. The powerful tamping bar and vibration system delivers high precompaction density. A mechanical crown adjustment flexes the screed plate +/- 3 degrees. The hydraulically driven 20KVA generator supports electrical heating of the main screed and screed extensions. The electrical system provides uniform heat for a smooth mat finish, with quality precompaction.





## CAB COMFORT & VISIBILITY

The operator remains in complete control of the paver operating in a safe and comfortable seating position, ergonomically-positioned controls on the central control panel slide to both machine sides. Handrails permit safe movement around machine platform. There is excellent visibility to the hopper, material delivery truck, auger area, material flow, screed and final mat.

# Boost profitability

## Volvo Power

Environmentally friendly Volvo engine delivers best-in-class 88 kW (118 hp) performance along with quiet, fuel efficient operation. Capable to push 25-ton trucks. A one stop support center is available from your local Volvo dealer.

## Volvo designed hydraulic system

Hydraulics perfectly matched to all Volvo components, from hopper to screed, provide a long life, less maintenance and high traction performance. The trouble free, load sensing system is powered by a variable displacement axial piston pump.

## Wear-resistant features

The P5320B ABG paver material handling system is designed to incorporate hard and extra thick, wear-resistant components, all delivering a long life while resisting wear from abrasive lay down material.

## Hydraulic track tensioner

Automatic track tensioner maintains accurate track tension and minimizes wear for smooth operation.

## Adjustable height and reversing auger

Ability to adjust auger height to improve material transfer and flow. Reversing the auger improves material control and reduces hand labor.

## Operator friendly controls

Proven, adjustable operator controls are ergonomically positioned to offer excellent visibility and adjustable seating comfort.

## Omni V Screed

Using hydraulic telescoping cylinders, the screed features on-the-go width changes from 2.5 to 4.75 m. Features both tamping bar and vibration for high compaction off the screed. This heavy duty screed delivers a high quality consistent mat.

## Automatic conveyor auger control

Paddle switches provide on-off control of the conveyor and auger, helping to provide uniform and consistent control of the material.

## Crown adjustment

Flex the heavy duty screed plate +/- 3 degrees using the mechanical crown adjustment, easily obtaining road crowns and drainage profiles.

## Heavy duty sealed bearings

Every bearing of the material handling system is specially designed with multi level protection to reduce maintenance/repair costs.

## Automation

Paver electrical system is designed to accommodate standard global levelling systems.



## Cab Comfort & visibility

Safe operation, in complete command with excellent visibility to the hopper, material delivery truck, auger area, material flow, screed and final mat.

## Foldable sunshade

The all weather sunshade with wide open sides provides good operator visibility and reduces fatigue for increased safety and productivity.

## Safe access

Handrails and all-weather grip walk areas permit safe movement around all machine platforms.



# Adding value to your business

Being a Volvo customer means having a complete set of services at your fingertips. Volvo can offer you a long-term partnership, protect your revenue and provide a full range of customer solutions using high quality parts, delivered by passionate people. Volvo is committed to the positive return of your investment.



## Complete Solutions

Volvo has the right solution for you. So why not let us provide all your needs throughout the life cycle of your machine? By listening to your requirements, we can reduce your total cost of ownership and increase your revenue.



## Genuine Volvo Parts

Our attention to detail is what makes us stand out. This proven concept acts as a solid investment in your machine's future. All Volvo approved parts are extensively tested because every part is vital for maintaining uptime and performance. Only by using Genuine Volvo Parts, can you be sure that your machine retains the renowned Volvo quality.





# SERVICE NETWORK

In order to respond to your needs faster, a Volvo expert can make a quick visit to your job site from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience.

# Specifications

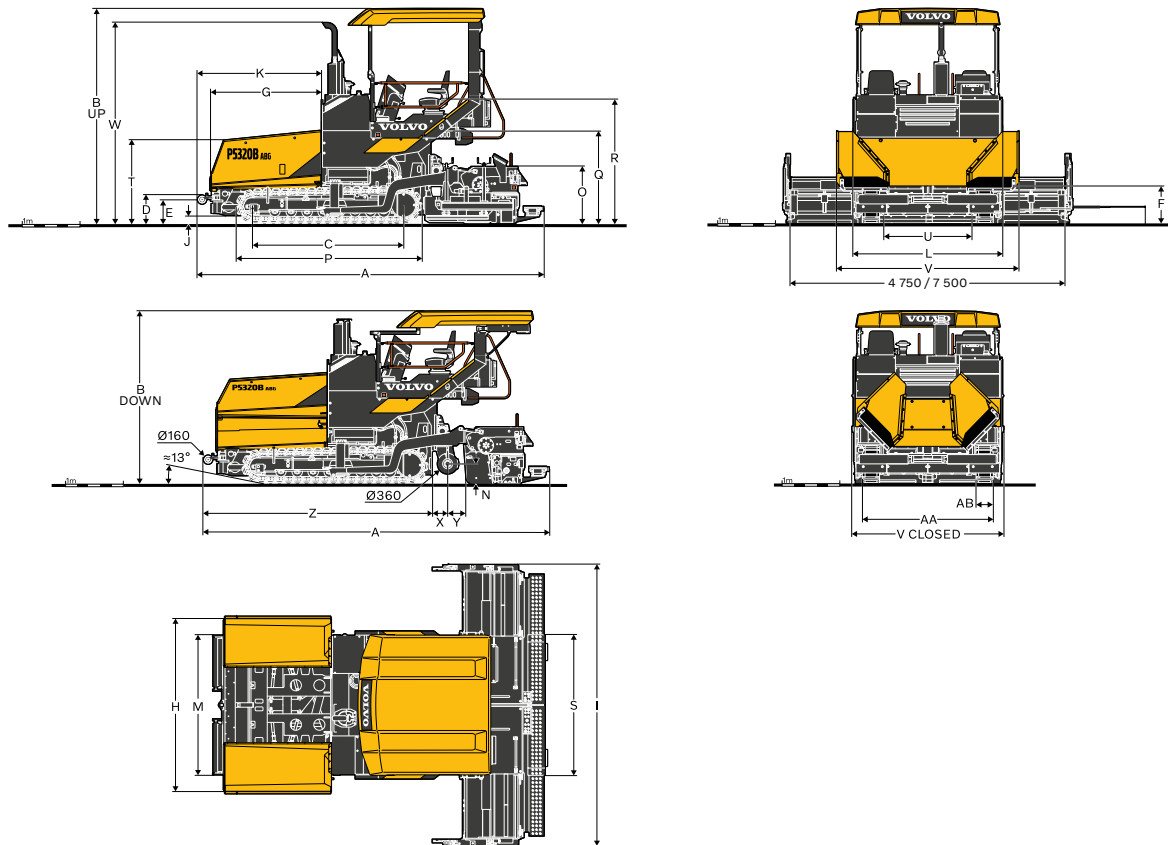
Engine (Diesel)		
Manufacturer		Volvo
Model		D5
Output @installed speed	kW / hp	88/118 @2 300
Coolant		VCS 50/50 Premixed
Fuel tank capacity	l	230
Exhaust emission		BS III (EPA Tier III)
Paving		
Output (theor.) <sup>1</sup>	t/h	600
Mat thickness (max.)	mm	300
Speeds		
Paving (max.)	m/min	17
Transport (max.)	km/h	3.2
Undercarriage		
Track length	mm	2 618
Width (track plates)	mm	300
Mix conveyor system		
Hopper capacity	t	12
Conveyors		Independent
Conveyor speed	m/min	26

Augers		
Auger speed	rpm	82
Auger diameter	mm	360
Electrics		
Vehicle Voltage	Volt	24
Weights <sup>2</sup>		
Tractor unit	kg	11 700
Max. allowable gradeability <sup>3</sup>		
Tractor unit + screed	%	25

<sup>1</sup> 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.

<sup>2</sup> All weights are approx. weights without options. Diesel tank half-full, 75kg operator and weather roof included.

<sup>3</sup> Applies to screed Omni-V 2.5-4.75 m. When using extensions the max. allowable gradeability will be reduced.



## DIMENSIONS

	A	B		C	D	E	F	G	H	I	J	K	L	M	N
		up	down												
mm	5 953	3 741	3 006	2 618	515	435	643	1 912	3 091	5 012	155	2 155	2 590	2 495	360 ±60
	O	P	Q	R	S	T	U	V		W	X	Y	Z	AA	AB
								open	closed						
mm	1 001	3 220	1 615	2 171	2 501	1 457	1 530	3 171	2 460	3 495.5	267	318	3 965	2 269	300

## Ca. Operating weights of screeds\*

Working width		2.5 m	4.75 m	5.5 m	6.25 m	7.0 m	7.5 m
Omni-V	kg	3 196	3 419	4 031	4 277	5 150	5 329

\* Including auger extensions, channel plates, end gates. (No rear low arms)

# Equipment

## STANDARD EQUIPMENT

### Engine

Volvo Diesel engine, EPA Tier III D5 engine

### Drive

Electronic drive control

Lifetime lubricated crawler track rollers

Forged and hardened crawler track links

Automatic track tensioner

### Material Management

Four individual hydrostatic drives for conveyors and augers

Manual auger height adjustment

Reversible direction of auger rotation

Auger speed control ON/OFF

Independent augers and conveyors

Automatic material flow control

### Electronics

Color display

### Structure

Single sliding control consoles with vandal covers

Anti-vandalism kit

Hopper locks

Ground level fuel fill

### Screed

Screed towing arms, continuous version

Hydraulics for Vario screeds with tamper and vibration

Screed Assist

Hydraulically Driven 20KVA Generator for Electrical heating of main and screed extensions

Hydraulically extendable Screed 2.5m to 4.75m

### Lights

Two working lights

Two Auger Tunnel lights

Driver's compartment lighting

### Environmental

Diesel Spray cleaning system

## OPTIONAL EQUIPMENT

### Material Management

Conveyor Guard plate Kit

HD Conveyor kit

### Electronics

Leveling system - grade and slope

Auger ultrasonic material control

Sonic Grade sensor

### Structure

Weight kit for 7.0m

Wax Coating

### Screed

Bolt-on extension kits: 5.5 - 7.5m

Auger extension kits: 5.5 - 7.5m

### Lights

Warning beacon

### Environmental

Emulsion spray cleaning system

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