P5320B ABG

Volvo Tracked Paver 2.5-7.0 m
A passion for performance

At Volvo Construction Equipment, we’re not just coming along for the ride. Developing products and services that raise productivity – we are confident we can lower costs and increase profits for industry experts. Part of the Volvo Group, we are passionate about innovative solutions to help you work smarter – not harder.

Helping you to do more.
Doing more with less is a trademark of Volvo Construction Equipment. High productivity has long been married to low energy consumption, ease of use and durability. When it comes to lowering life-cycle costs, Volvo is in a class of its own.

Designed to fit your needs.
There is a lot riding on creating solutions that are suited to the particular needs of different industry applications. Innovation often involves high technology – but it doesn’t always have to. Some of our best ideas have been simple, based on a clear and deep understanding of our customers’ working lives.

You learn a lot in 180 years.
Over the years, Volvo has advanced solutions that have revolutionized the use of construction equipment. No other name speaks Safety louder than Volvo. Protecting operators, those around them and minimizing our environmental impact are traditional values that continue to shape our product design philosophy.

We’re on your side.
We back the Volvo brand with the best people. Volvo is truly a global enterprise, one that is on standby to support customers quickly and efficiently – wherever they are.

We have a passion for performance.
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.
**Powerful paver for demanding jobsites**

Every Volvo ABG paver is the result of 50 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 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 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.

---

**Paving width up to 7 m with the Volvo Omni V screed**

Featuring a maximum paving width of 7 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 electronically ignited gas heating system, designed with flame failure protection, quickly and efficiently heats the screed plate, while the LPG blower burner system provides uniform heat for a smooth mat finish, with quality precompaction.

---

**Hydraulic track tensioner**

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

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

Volvo engine with Volvo support
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.

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

Load sensing 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.

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

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.

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

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.

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

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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>Volvo</td>
</tr>
<tr>
<td>Model</td>
<td>D5</td>
</tr>
<tr>
<td>Output @installed speed</td>
<td>88/118 @2 300</td>
</tr>
<tr>
<td>Coolant</td>
<td>VCS 50/50 Premixed</td>
</tr>
<tr>
<td>Fuel tank capacity</td>
<td>150</td>
</tr>
<tr>
<td>Exhaust emission</td>
<td>BS III (COM IIIA / EPA Tier III)</td>
</tr>
</tbody>
</table>

## Paving

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output (theor.)¹</td>
<td>600</td>
</tr>
<tr>
<td>Mat thickness (max.)</td>
<td>300</td>
</tr>
</tbody>
</table>

## Speeds

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paving (max.)</td>
<td>17</td>
</tr>
<tr>
<td>Transport (max.)</td>
<td>3.2</td>
</tr>
</tbody>
</table>

## Undercarriage

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track length</td>
<td>2 618</td>
</tr>
<tr>
<td>Width (track plates)</td>
<td>300</td>
</tr>
</tbody>
</table>

## Mix conveyor system

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hopper capacity</td>
<td>12</td>
</tr>
<tr>
<td>Conveyors</td>
<td>Independent</td>
</tr>
<tr>
<td>Conveyor speed</td>
<td>26</td>
</tr>
</tbody>
</table>

## Augers

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auger speed</td>
<td>82</td>
</tr>
<tr>
<td>Auger diameter</td>
<td>360</td>
</tr>
</tbody>
</table>

## Electrics

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Voltage</td>
<td>24</td>
</tr>
</tbody>
</table>

## Weights²

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tractor unit</td>
<td>11 700</td>
</tr>
</tbody>
</table>

## Max. allowable gradeability³

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tractor unit + screed</td>
<td>25</td>
</tr>
</tbody>
</table>

¹ 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.

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

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

## Screed operating weights*²

<table>
<thead>
<tr>
<th>At paving width</th>
<th>2.5-4.75 m</th>
<th>2.5-5.5 m</th>
<th>2.5-6.25 m</th>
<th>2.5-7.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omni-V</td>
<td>3 150</td>
<td>3 706</td>
<td>4 175</td>
<td>4 681</td>
</tr>
</tbody>
</table>

* Including auger extensions, channel plates, etc.
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
Electronically ignited LPG blower burner for screed plate heating
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

Electronics
Leveling system - grade and slope
Ultrasonic sensor - Auger speed control
Screed lock

Structure
Weight kit for 7.0m
Wax Coating
Hard roof
Heavy-duty conveyor kit

Screed
Bolt-on extension kits: 5.5 - 7.0m
Auger extension kits: 5.5 - 7.0m

Lights
Warning beacon

Hard roof

DIMENSIONS

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>5 916</td>
<td>3 650</td>
<td>2 998</td>
<td>2 618</td>
<td>503</td>
<td>448</td>
<td>1 912</td>
<td>3 091</td>
<td>5 055</td>
<td>1 55</td>
<td>2 110</td>
<td>2 480</td>
<td>2 490</td>
</tr>
<tr>
<td>O</td>
<td>P</td>
<td>Q</td>
<td>R</td>
<td>S</td>
<td>T</td>
<td>U</td>
<td>V</td>
<td>W</td>
<td>X</td>
<td>Y</td>
<td>Z</td>
<td>AA</td>
<td>AB</td>
</tr>
<tr>
<td>mm</td>
<td>1 001</td>
<td>3 223</td>
<td>1 615</td>
<td>2 171</td>
<td>2 502</td>
<td>1 456</td>
<td>1 530</td>
<td>3 171</td>
<td>2 461</td>
<td>3 498</td>
<td>267</td>
<td>318</td>
<td>3 920</td>
</tr>
</tbody>
</table>

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.