

Volvo Construction Equipment
Building Tomorrow



ABG7820B, ABG8820B

Volvo Tracked Pavers 2.5 m - 13 m 182 kW



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 Blaw Knox, 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.

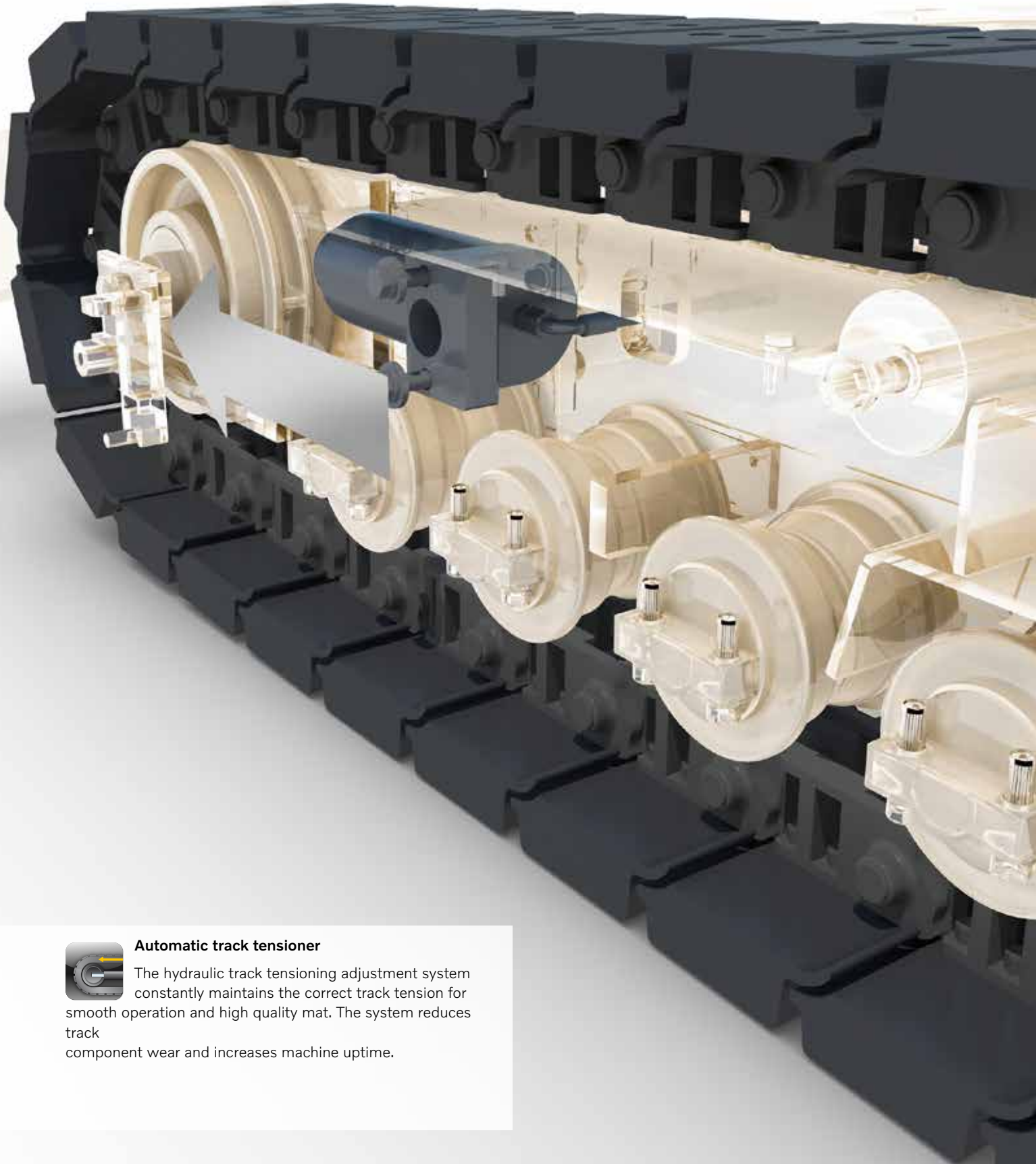
Designed for your business

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.

BUILDING TOMORROW



Automatic track tensioner

The hydraulic track tensioning adjustment system constantly maintains the correct track tension for smooth operation and high quality mat. The system reduces track component wear and increases machine uptime.

Power and precision

If you're looking for a powerful and efficient paver then look no further than the ABG7820B / ABG8820B. Designed and built 100% by Volvo, the machine combines proven technology and innovative engineering to deliver superior mat quality, uniformity and smoothness. Boost your paving power and experience enhanced engine performance and greater fuel economy with Volvo.



Travel drives

The electronically controlled travel drive ensures uniform propulsion, accurate straight travel, exact cornering and soft starts; all of which are prerequisites for a smooth quality mat.

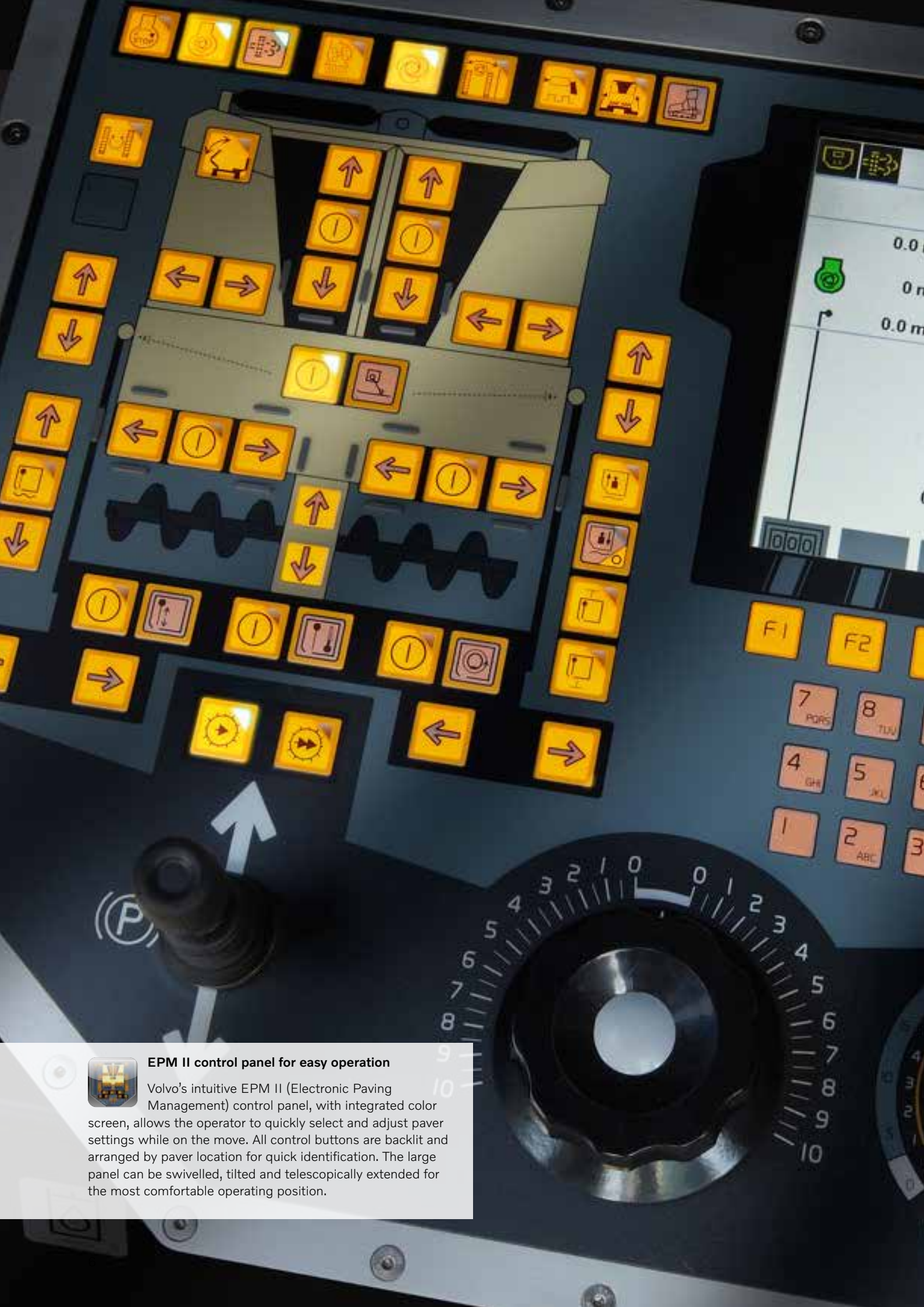
Crawler unit

Volvo ABG7820B / ABG8820B offers exceptional traction properties – the large contact area of the crawler tracks, together with optimal machine weight distribution, enables an efficient paving process even on bases with a poor bearing capacity.



ECO mode

When paving conditions do not require full power, the operator can select the smart power mode on the EPM II control panel to automatically reduce power to 1,600 rpm, resulting in lower noise and up to 30% reduction in fuel consumption.



EPM II control panel for easy operation

Volvo's intuitive EPM II (Electronic Paving Management) control panel, with integrated color screen, allows the operator to quickly select and adjust paver settings while on the move. All control buttons are backlit and arranged by paver location for quick identification. The large panel can be swivelled, tilted and telescopically extended for the most comfortable operating position.

Volvo puts you in control

Sit in the driver's seat and feel the power of Volvo ABG7820B/ABG8820B tracked pavers. Experience unrivalled control at your fingertips with the unique EPM II control panel, designed for easy operation and maximum efficiency. Intelligent paving at its best.

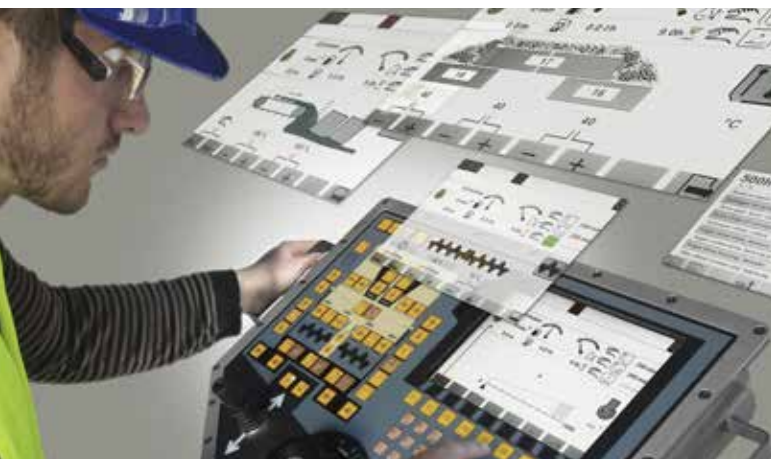
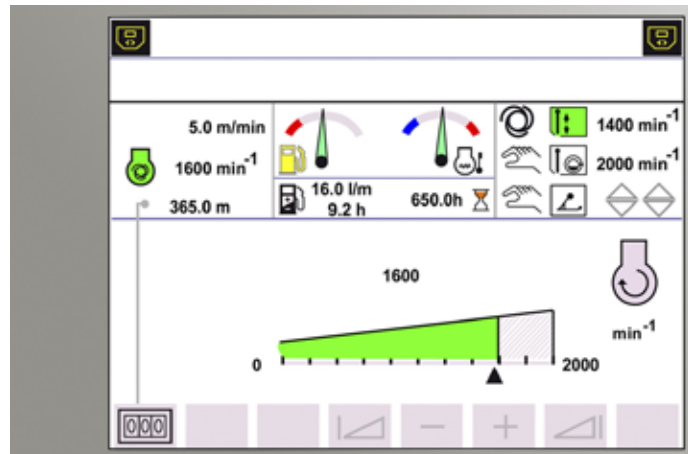
Service interval manager

Service Interval Manager provides warning or alerts to the operator regarding upcoming or past due service requirements.



Fuel monitoring system

The fuel monitoring system on the EPM II control panel records and displays fuel consumption by day or period so you can plan refuelling and calculate operational costs.




Settings manager

The Settings Manager feature on the EPM II control panel allows the operator to input all paving settings and parameters and save them for re-use on similar paving jobs for consistent paving results.



All-around visibility

 360° view of the entire paving process from the operator seat for optimum safety and productivity. Seats can be extended over the side of the paver for additional visibility. In low ambient light conditions, optional light packages safely illuminate areas around the paver.

The perfect paving package

Serviceability

Daily maintenance checks are grouped together with access from the operator's platform for easier, faster and safer checks before paving starts.

Top engine performance

High performance Volvo D7, V-ACT engine delivers high power with low fuel consumption.

Hopper design

Large folding hopper wings and the conveyor design ensures proper material flow. Adding the (optional) apron will increase capacity and ensure hopper is always completely emptied.



Smooth paving control

Electronically controlled, independent travel drives for each crawler track offers smooth paving in all operating conditions.

Road surface scrapers

Road scrapers clear the debris and make a clean and smooth surface for the crawler tracks.





Folding canopy

Allows you to lower the roof for easy transport.



All-round visibility

360° view of the whole paving process for improved safety and productivity.



EPM ii control panel

Provides an overview of the entire paving process. The large panel with color screen can be repositioned for the most comfortable operating position.



The best screed performance

Volvo screeds provide industry leading performance for the best pavement quality, uniformity and smoothness.



Automatic track tensioner

Automatic track tensioner maintains correct track tension and reduces wear for smooth operation.



Customer Support Agreements

The range of Customer Support Agreements offer preventive maintenance, total repairs and a number of uptime services. Volvo uses the latest technology to monitor machine operation and status, giving you advice to increase your profitability. By having a Customer Support Agreement you are in control of your service 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 whole 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. Parts are extensively tested and approved because every part is vital for 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 is on their way 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.

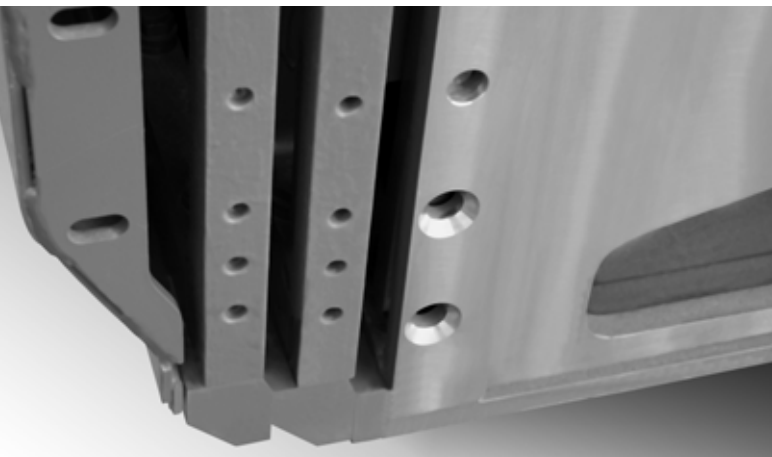
Industry leading performance

Volvo screeds have been designed to handle a wide range of materials and give you supreme smoothness and uniformity. Equipped with an ABG Variomatic single tamper screed, Volvo ABG7820B and ABG8820B tracked pavers combine excellent paving quality, maximum reserve and high efficiency.



Screed technology

Volvo Variomatic screeds provide customers with hydraulically extending widths and add on options for paving up to 8 meters.



Double tamper

Double tamper bars provide the highest levels of compaction density behind the screed. This reduces the amount of roller compacting, which saves time and money.



Fixed screed

Volvo fixed screeds have proved their versatility and effectiveness in a host of paving projects all over the world. They achieve paving widths of up to 13 m.

Specifications

		ABG7820B	ABG8820B
Engine type		Volvo D7E GEE3	Volvo D7E GEE3
Engine power	kW	170	182
At engine speed	r/min	1 800	2 200
Engine emission		COM IIIA /EPA Tier III	COM IIIA /EPA Tier III
Basic width	m	2.5	2.5
Maximum paving width	m	9	13
Paving output	t/h	900	1 100
Maximum layer thickness	mm	300	300
Hopper capacity	t	13.5	14
Tractor weight	kg	14 600	17 500

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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