

Volvo Construction Equipment  
Building Tomorrow



# P8820DL ABG

Volvo Tracked Pavers 2.5-13 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**

# Go big

Experience the ultimate in paving productivity. With a high capacity hopper, high-performance Volvo engine and the ability to pave up to 13-meters wide, the P8820DL ABG is the big machine for the big jobs.

## Superb stability

Tracks measuring 325mm wide and 3 120mm long provide excellent surface contact. This combines with the strong frame and components to deliver outstanding machine stability. Furthermore, the Volvo automatic track tensioner ensures advanced directional stability across all paving jobs.



## Powerfully efficient

The premium Volvo engine is specifically tuned to the hydraulic system and combines high torque at low RPM for superior performance and efficiency. Further reduce fuel consumption with intelligent features such as adaptive ECO Mode, which matches engine output to jobsite requirements, giving you the power to perform.



## Configured for success

In addition to asphalt paving, you can prepare your paver to succeed in a variety of specialist applications thanks to a range of available configurations. Achieve the highest levels of compaction density behind the screed in activities such as working with Cement-Treated Base materials.



## Go long

The long hopper on the P8820DL ABG increases the distance between the front wall and push rollers to 2 649 mm. This provides enough dumping clearance even for extra-large trucks with longer overhangs to be able to feed the paver.





# UNLOCKING PRODUCTIVITY

Take on large paving projects with ease in the P8820DL ABG, with a maximum paving width of 13-meters and paving thickness up to 300mm. A hopper capacity of 16.2t and large conveyor tunnel provide paving outputs of 1 100 tonnes per hour.



# TAKE CONTROL

Take control with the Electronic Paver Management (EPM3) system. Backlit for nightshifts, all buttons are consolidated into the control system and arranged for ease of operation. EPM3 features integrated functions such as Settings Manager, which stores customized settings for individual projects to ensure consistent paving quality from job to job, and Service Interval Manager which alerts the operator to required or scheduled maintenance.

# Operator's choice

Volvo pavers are industry-renowned for providing the highest levels of operator comfort, and in the P8820DL ABG operators can enjoy comfortable, safe and productive working shifts with intuitive controls, excellent visibility, intelligent functions and spacious platform.

## Every angle in view

Operators experience unhampered visibility thanks to the flat engine hood design, smaller electrical boxes, glazed areas to both sides of the platform, extendable seat and near-field mirrors. Six standard work lights and optional lighting kits further boost safety when working at night. The home light function illuminates the platform for three minutes after the main switch is turned on or the ignition is turned off.



## Easy on the ears

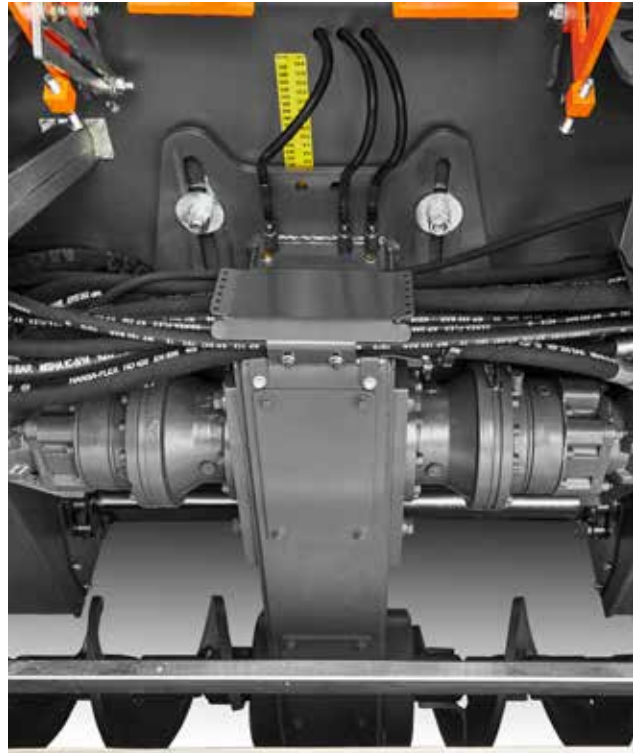
Achieve high paving performance at remarkably low noise levels. By matching engine output to work requirements, the adaptive ECO Mode and optimized RPM reduce noise levels, benefitting the paving crew and local community alike. The sound insulated weather roof provides further noise reduction for operators.

# Enduring quality

Rely on the P8820DL ABG for consistent paving results. Designed with a focus on quality and uptime the machine features increased auger height adjustment, track tensioning device and easy servicing. The result is a paver you can depend on to deliver unbeatable mat quality; shift after shift, day after day.

## Optimum material flow

Building on the success of the previous generation, the P8820DL ABG features an increased auger height adjustment range from 120mm to 200mm. This allows the paver to deliver optimum material flow in the auger channel for a wide range of layer thicknesses up to 300mm.



## On the right track

For increased uptime and lower operating costs, the undercarriage includes an automatic track tensioner with hydraulic operation unique to Volvo. This provides more precise and stable steering and reduced wear, while the durable track scrapers further contribute towards a smoother surface finish.

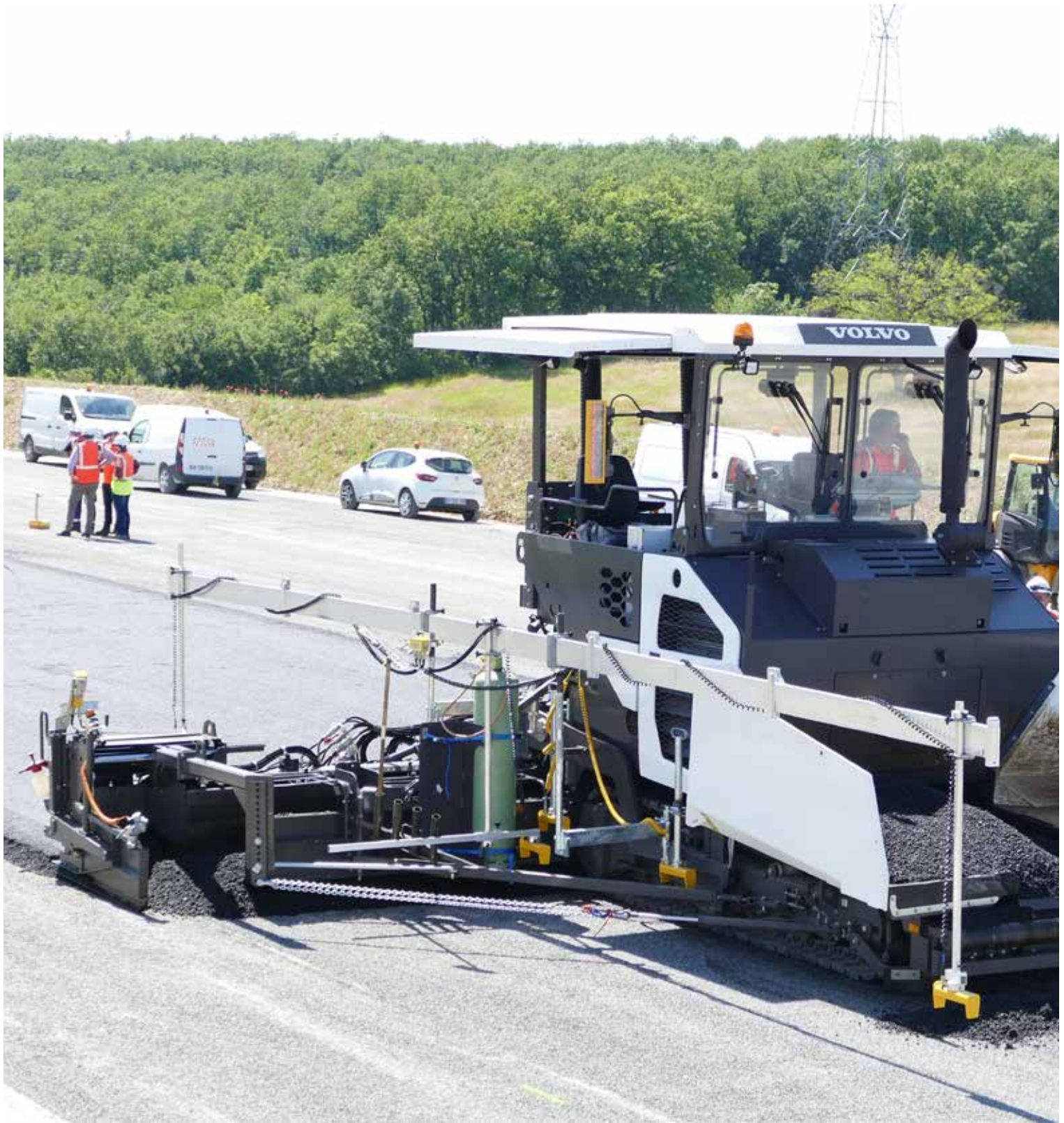


## Keep on paving

Get back to work in no time with quick and safe servicing. Improved service access to essential checkpoints via the wide-opening on top of the platform provides ease of maintenance, reduces downtime and minimizes operational costs.

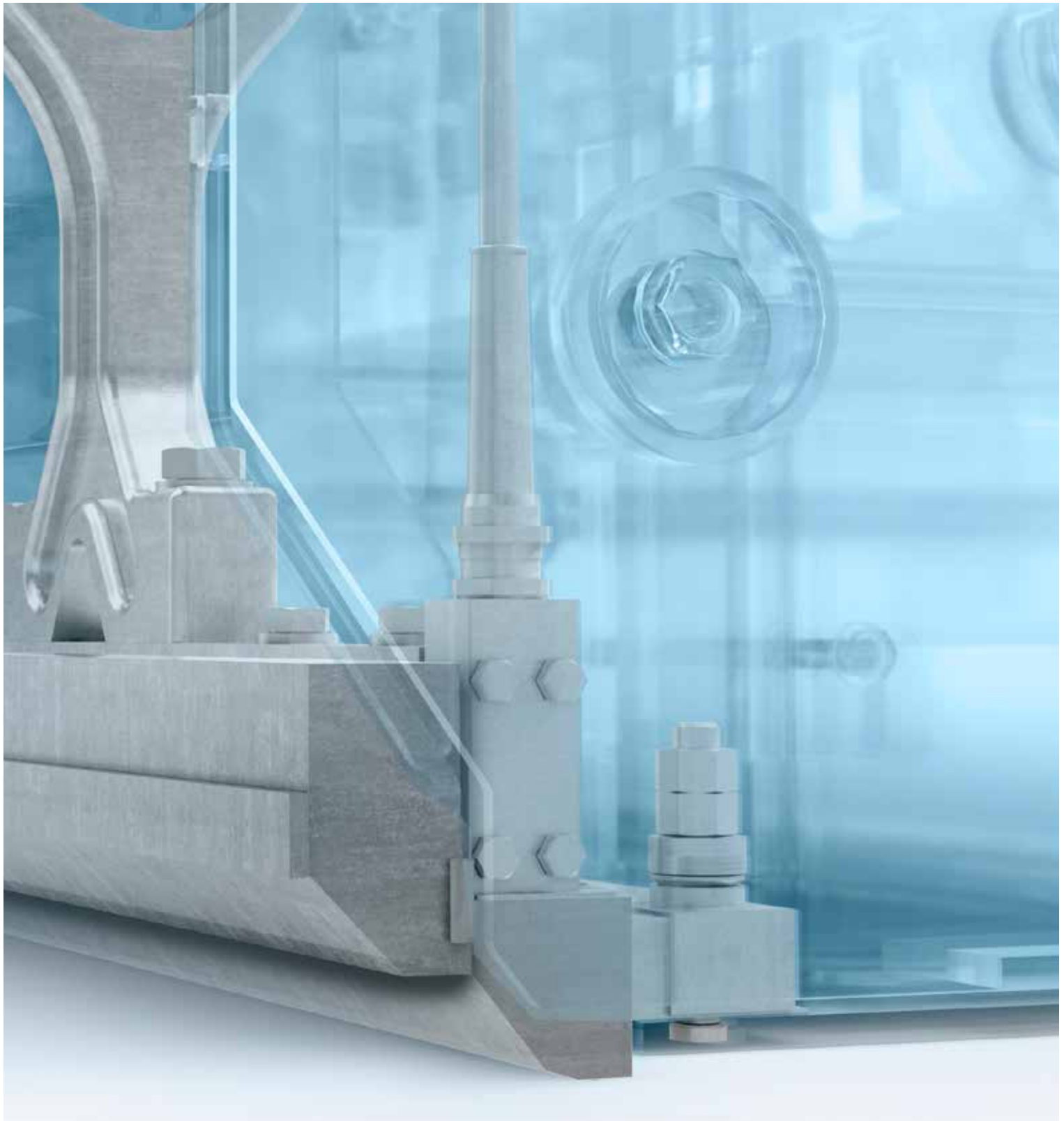






# PAVE WITH CONFIDENCE

Ensure consistent high-quality results throughout the entirety of your projects thanks to the optional Volvo patented screed load device, which prevents start-off bumps when working at large paving widths. The screed tensioning device locks torsional stiffness across the length of the screed, ensuring a consistent angle of attack across the full screed width.



# DURABLE TAMPER BARS

Fully hardened and easy to maintain, you can rely on the specially-designed Volvo tamper bars to perform when it comes to achieving material target density. Depending on application and condition, choose from the single or double tamper screeds to ensure a smooth, uniform surface.

# Ultimate paving results

Paving a width up to 13-meters the P8820DL ABG is compatible with an extensive range of high-performance screeds, depending on your operational requirements and preferences. You can count on Volvo to deliver ultimate paving results.

## Screed excellence

For over two decades Volvo has been developing screeds which deliver superior paving results. The high-compaction Volvo screed with dual tamper system provides an outstanding level of pre-compaction and evenness, making it the optimum choice when working with all types of mix in road and airport construction.

## Manual screeds: a wider paving width

Built on decades of engineering excellence, Volvo screeds deliver the best pavement quality, uniformity and smoothness. With a paving width up to 13-meters, the P8820DL ABG can be equipped with a range of Volvo screeds able to handle a variety of materials, including manual MB and VDT screeds.

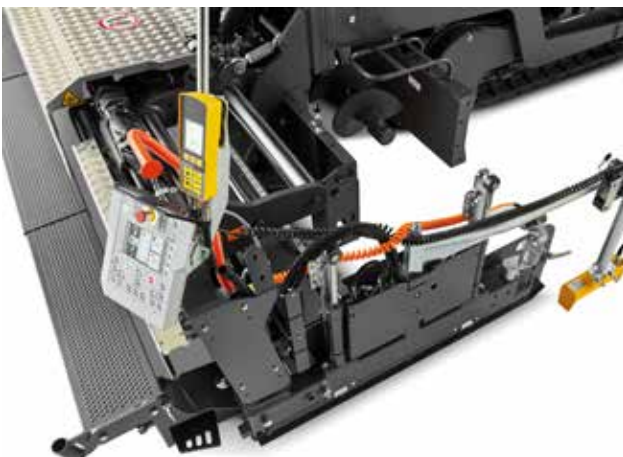


## Flexible Vario screeds

Featuring great stability and rigidity, Volvo Variomatic screeds have eight guide tubes – four on each hydraulic extension – contributing to a consistent and uniformly compacted smooth surface. Operators benefit from easy daily service with centralized lubrication points.

## Easy extension

Change screed extensions efficiently and safely and with no special tools required, thanks to the Volvo unique quick coupling system. Assemble a 7.5-meter screed including channel plates, guide plates and auger extensions in less than one hour.



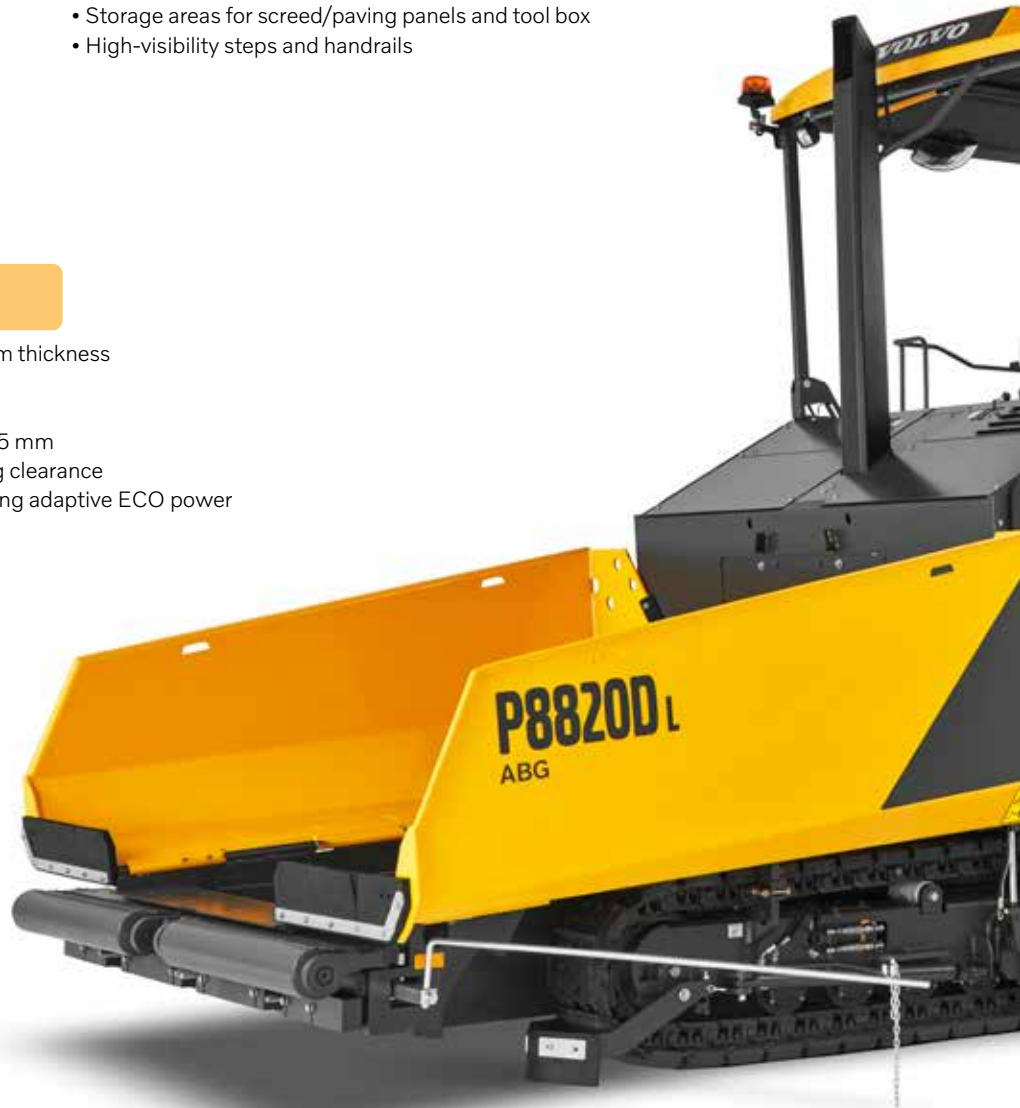
# Large-scale partner

## PAVE IN COMFORT

- Intuitive EPM3, including Settings Manager
- Low noise levels
- Storage areas for screed/paving panels and tool box
- High-visibility steps and handrails

## GO BIG

- Pave up to 13m width and 300mm thickness
- 1 110 tonnes per hour
- 16.2 t hopper capacity
- Track length 3 120 mm, width 325 mm
- Long hopper: 2 649 mm dumping clearance
- Fuel efficient Volvo engine, featuring adaptive ECO power



## FAULTLESS FINISH

- Increased auger height adjustment to 200 mm
- Cement-Treated Base compatible
- Screed Load (option)
- Automatic track tensioner

## SEE MORE, DO MORE

- Flat engine hood
- Side glazed inserts & near-field mirrors
- Smaller electrical boxes for improved rear view
- Home light functionality
- Lighting kits



## UPTIME

- Easy access to service points
- Service Interval Manager
- CareTrack – easy machine monitoring

## SCREED TECHNOLOGY

- Choice of Manual or Vario screeds
- Durable, easy to maintain tamper bars
- Screed tensioning device
- Quick coupling system

# Specifications

## P8820DL

Engine type		D7E
Engine power	kW	182
At engine speed	r/min	2 000
Engine emission		EPA Tier3
Basic width	m	-
Maximum paving width	m	-
Paving output	t/h	1 100
Maximum layer thickness	mm	300
Hopper capacity	t	16.2
Tractor weight	kg	16 910

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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