

Volvo Construction Equipment
Building Tomorrow



P6820DL ABG

Volvo Tracked Pavers 2.5-9.0 m 140 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

Volvo puts you in control

Be in complete control of your paver with Volvo's technologically-advanced features, designed for simple operation and maximum efficiency. Combining the next generation Electronic Paver Management system (EPM3) and the Settings Manager feature with a low-noise operator environment and all-around visibility, the P6820DL ABG is the ultimate package.

Get set and go

Experience consistent, high quality paving job-to-job with Settings Manager, capable of storing customized settings for individual projects. Begin paving quickly with this integrated feature, which simplifies the initial machine setup by enabling operators to recall saved parameters within EPM3 when facing similar paving jobs. Once paving is underway, fine tuning can be made to optimize performance and productivity.



High power, high comfort

Achieve high paving performance at remarkably low noise levels with the P6820DL ABG. By matching the engine output to the actual need, the adaptive ECO Mode and optimized RPM reduce noise levels, benefiting the paving crew and local community alike. For a comfortable work environment, the canopy offers built-in sound insulation, while the automatic track tensioner reduces vibrations to ensure a smooth operation.



Every angle in view

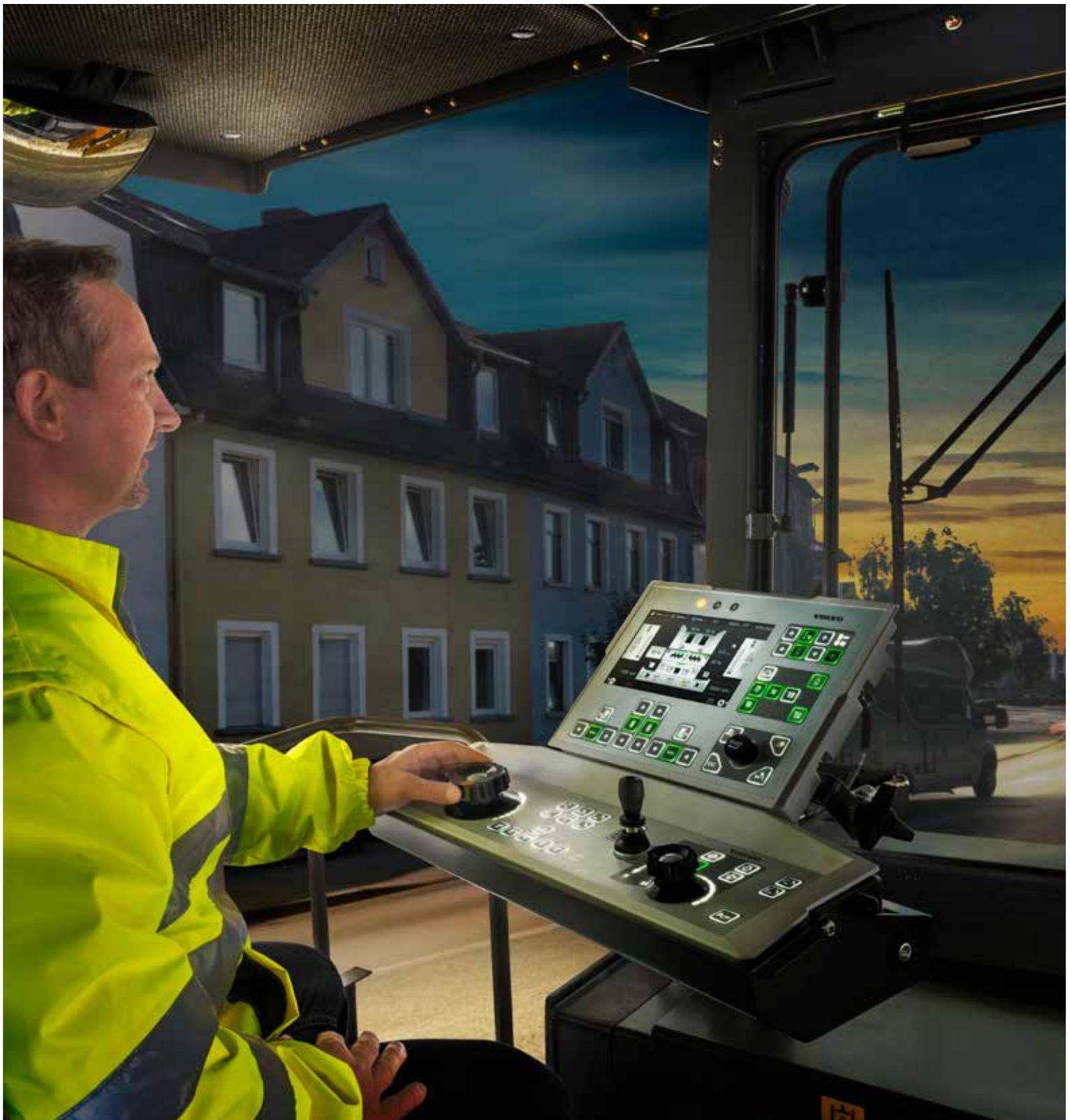
From the operator platform, experience unhampered visibility around the paver, hopper, auger channel and screed. The newly designed engine hood offers superb visibility to the hopper, enabling the operator to check material supply and flow at a glance. Meanwhile, the new glazed area to both sides of the operator platform offers even greater visibility, optimizing overall efficiency and jobsite safety.



Advanced operation

Easy overview, easy settings and easy adjustment. With a large color display, Volvo screed panels provide excellent visibility of the main paving functions, as well as enabling a quick screed setup. A new bracket also allows the operator to easily adjust and position the screed panel according to their preferences.





INTUITIVE OPERATION

Take control of your operation with the new Electronic Paver Management (EPM3) system. All buttons are consolidated in a bird's-eye view layout and background illumination supports easy operation when working at night. All essential operating information, including towing arm indication on both sides, is displayed on the monitor. Using the jog wheel, operators can quickly select and adjust functions for greater ease of use.



POWER TO PERFORM

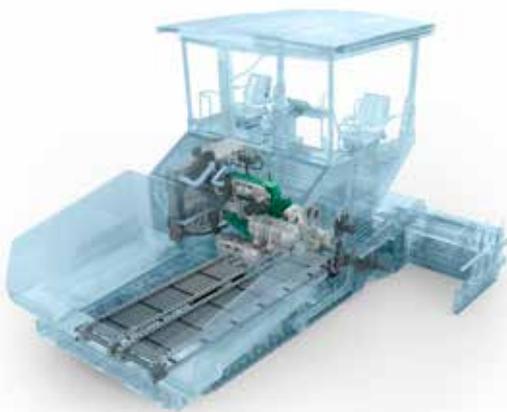
Power your operation with the fuel-efficient Volvo engine, specifically tuned to the hydraulic system. Built by Volvo for Volvo, the premium engine combines high torque and low RPM for superior, long-lasting performance. Reduce fuel consumption, increase productivity and extend component life with advanced, built-in features, such as the adaptive ECO Mode, which matches engine output to jobsite requirements, giving you the power to perform.

Long-lasting paving performance

Built on high-performance components, the P6820DL ABG is designed to boost productivity while reducing fuel consumption, noise and operating costs. With over half a century of paving experience and innovative engineering, this paver achieves long-lasting performance.

Durably efficient

Optimize uptime and machine lifetime with Volvo powertrain and the improved hydraulic system, offering unrivalled durability and performance. The powertrain feature complements the hydraulic system, which is perfectly matched to the Volvo engine to provide high performance, low fuel consumption, emissions and noise.



Efficiently cool

Count on the P6820DL ABG to keep cool while operating in extreme temperatures and altitudes. The cleverly-designed engine compartment and hood provide ample space for continuous air circulation from the hydraulically powered adaptive cooling fan, allowing the engine and hydraulics to cool effectively. What's more, this feature reduces noise, lowers fuel consumption, boosts component lifetime and optimizes efficiency of the hydraulic system.



Faultless finish

Rely on the durably-designed P6820DL ABG paver for a consistent, high quality paving surface. Combining several features, including the automatic track tensioning system and large hopper capacity, you can depend on the paver to deliver a smooth, even surface.



Go long

The P6820DL ABG hopper is 300mm longer compared to the standard paver version, extending the distance between the front wall and push rollers to 2580mm. The result is enough space for even extra-large trucks with longer overhangs to be able to feed the paver.



Supreme screed technology

Take your paver's performance to the next level with Volvo screeds. Whether equipped with a single or double tamper screed, your P6820DL ABG combines optional hydraulically controlled end gates, Volvo quick coupling system, and special profiles to deliver versatility and a smooth, high quality surface.

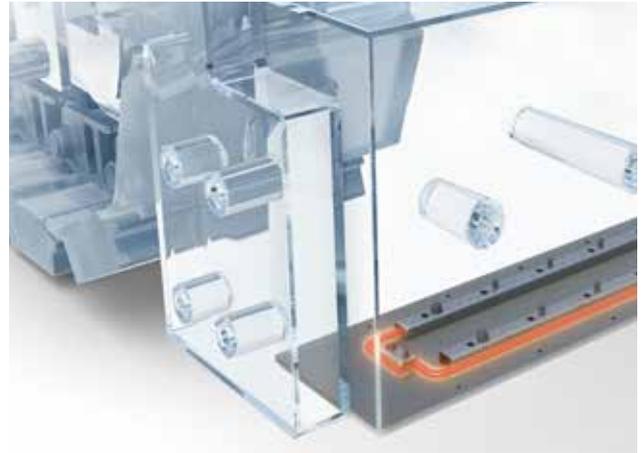
Designed for durability and performance

Achieve material target density with Volvo's specially-designed tamper bars, fully hardened for lasting durability. Depending on application and condition, choose from the single or double tamper screeds to ensure a smooth, uniform surface. The double tamper screed offers the highest levels of compaction density behind the screed, which is essential when paving thick asphalt.



Electric heating system

For consistent and reliable heating, Variomatic screeds from Volvo have a dual heating bar arrangement. In addition, an integrated temperature controller constantly regulates the heating temperature of the base plates, to ensure uniform heat distribution over the entire screed. Volvo screeds are designed with three separate control circuits and for each screed section, the temperature can be adjusted individually.



Quick and easy assembly

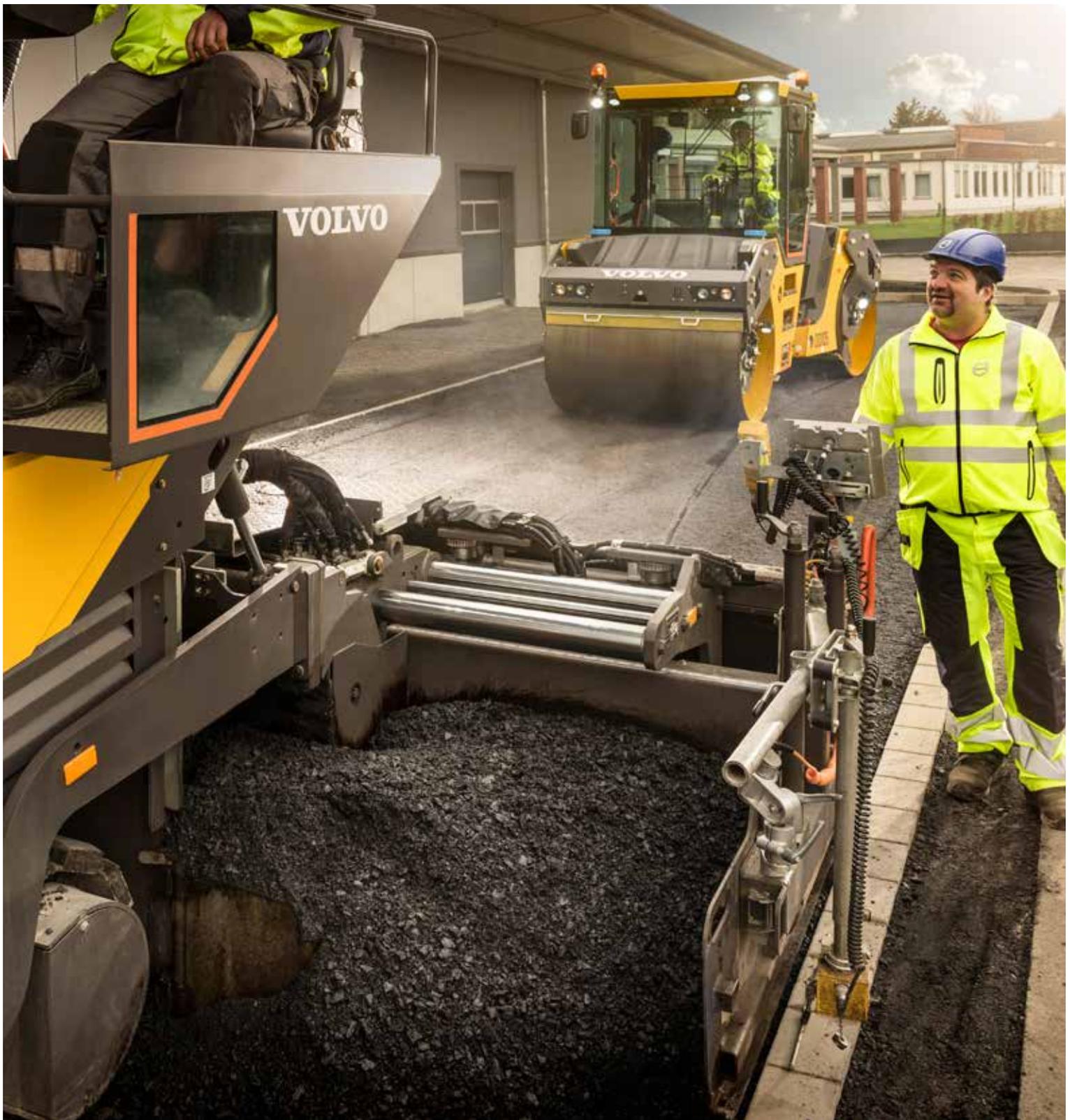
Add or remove screed extensions in minutes with no special tools required thanks to Volvo's quick coupling system. This unique feature enables paving crew members to change extensions quickly, efficiently and safely, saving valuable time and money.



Guide plate system

The Volvo guide plate system is designed for simple assembly. With weight optimized components and functional braces, one person can easily do the job.





ENGINEERED FOR EFFICIENCY

Built on decades of engineering excellence, Volvo screeds deliver the best pavement quality, uniformity and smoothness. Versatile and effective in paving widths up to 9 meters, the P6820DL ABG features industry-leading screeds, capable of handling a wide range of materials. Volvo Variomatic screeds have eight guide tubes, four for each hydraulic extension, which contribute to a consistent, uniformly compacted smooth surface.



EASY MACHINE MONITORING

Stay ahead of unscheduled downtime and check that your machine is being operated efficiently with optional CareTrack telematics system. Remotely receive reports on the machine location, usage, productivity, fuel consumption and more to boost machine uptime. Using MATRIS diagnostic software, your Volvo dealer analyzes your machine's operational data to help identify improvement areas, for optimized operations.

Keep your paver up and running

To keep machines efficient and increase longevity, Volvo offers a number of component life-extending features as well as quick and easy maintenance. With smart systems like CareTrack® and the Service Interval Manager, plus a range of services, it's easy to keep your hardworking P6820DL ABG paver up and running.

Service Interval Manager

Stay informed of servicing requirements and maximize machine uptime with Service Interval Manager. A dedicated display on the EPM3 paving panel alerts the operator of required or scheduled maintenance, and is recorded on the system, which retains a service history record. And, with the fuel-theft prevention system, you will be notified if fuel has been stolen, helping you avoid unwanted and costly downtime.



State-of-the-art servicing

Maximize uptime 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. Quickly access every ignition and service hatch across an entire fleet with a single key.



Volvo – a partner to trust

Volvo is here to support you whenever you need it. As a complete solutions provider, we listen to your requirements to ensure machine uptime and availability. With our extensive dealer coverage, parts availability and trained technicians, Volvo has a comprehensive network to fully support you using local knowledge and experience.



Care kits

Replacing only major or visibly worn parts and not those around them can stress the replaced parts, significantly reducing your machine's lifetime. Ensure optimum part performance and life with Volvo Care Kits for wear parts and eliminate the guess work of which parts to replace by having them all on hand in a single package. Save time, lower costs, and receive the latest technical improvements with just one kit.



Take performance to the next level

Every angle in view

From the operator platform, experience all-around visibility around the paver, hopper, auger channel and screed.

Adaptive ECO mode

ECO mode works with adaptive engine RPM to provide superior fuel efficiency and ultra-low noise for excellent operator comfort.

EASY MACHINE MONITORING

Remotely receive reports on your machine's location, usage, productivity, fuel consumption and more with CareTrack.

Designed for durability and performance

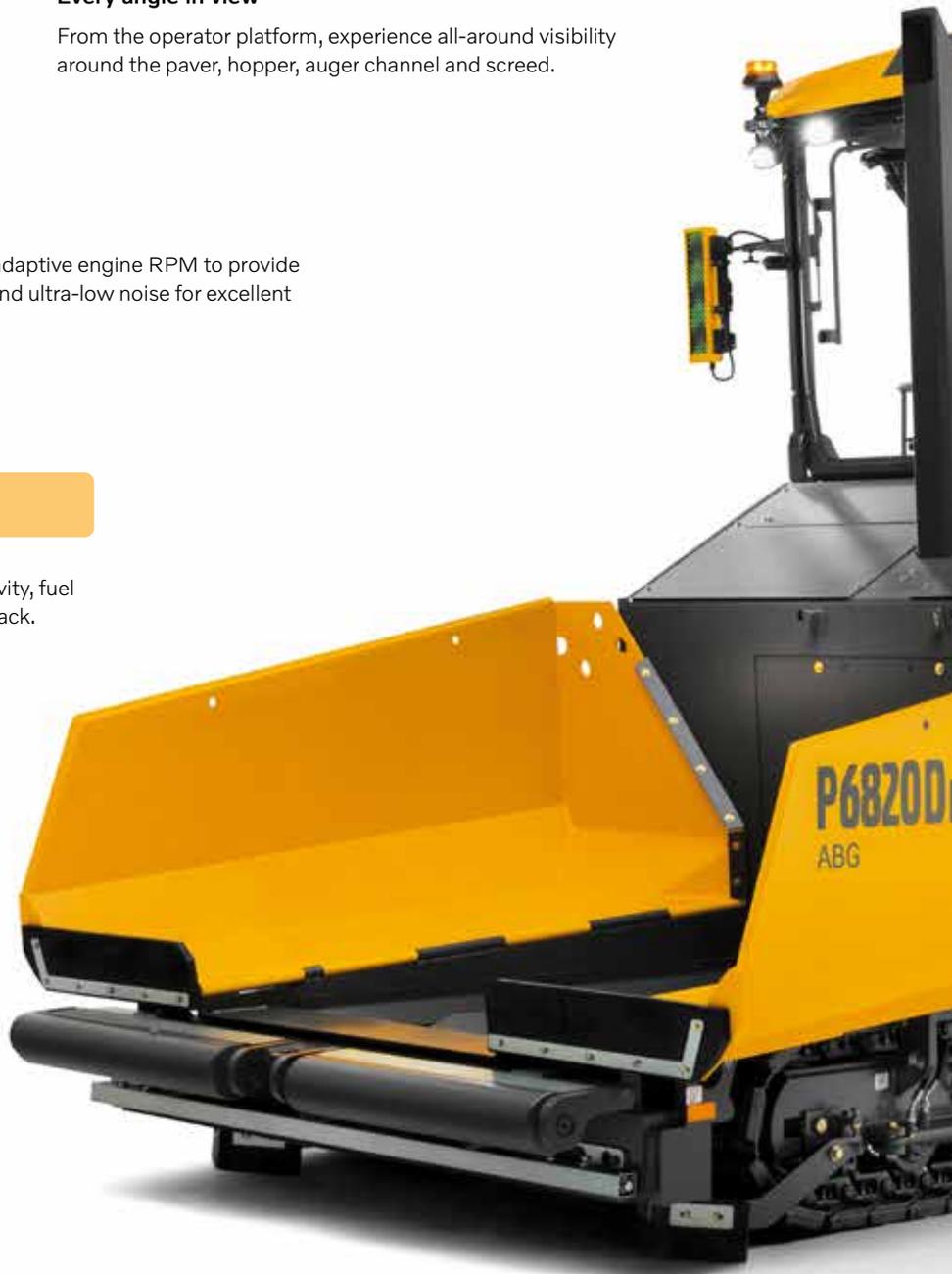
Depending on application and condition, choose from the single or double tamper screeds for a smooth, uniform surface.

POWER TO PERFORM

Volvo's quiet and efficient engine gives you more power while consuming less fuel thanks to advanced, built-in features.

ENGINEERED FOR EFFICIENCY

Rely on Volvo screeds, built on decades of engineering excellence for the best surface quality, uniformity and smoothness.





Efficiently cool

Even at high ambient temperatures, the adaptive cooling fan allows the engine and hydraulics to cool effectively.

Convenient storage

Paving console and screed console can be stored safely and securely underneath the lockable operator seat.

INTUITIVE OPERATION

Control paving performance with EPM3, which consolidates all control buttons within one system for optimum efficiency.

Go long

Hopper is extended by 300mm compared to the standard paver, creating a 2 580mm distance between front wall and push roller.

State-of-the-art servicing

Maximize uptime with quick and safe servicing thanks to improved service access and single key.

Specifications

P6820DL

| | | |
|-------------------------|-------|---------------------|
| Engine type | | Volvo D6E |
| Engine power | kW | 140 |
| At engine speed | r/min | 2 000 |
| Engine emission | | Stage IIIA / Tier 3 |
| Basic width | m | 2 548 |
| Maximum paving width | m | 10 |
| Paving output | t/h | 700 |
| Maximum layer thickness | mm | 300 |
| Hopper capacity | t | 15.5 |
| Tractor weight | kg | 14 600 |

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.

VOLVO

Volvo Construction Equipment

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