



Volvo Tracked Pavers 2.5 m – 9.0 m 140 kW

P6720 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>Fuel Efficiency Services</p>	 <p>Productivity Services</p>	 <p>Safety Services</p>
 <p>Financial Services</p>	 <p>Uptime Services</p>	 <p>Rental Services</p>
 <p>Volvo Attachments</p>	 <p>Genuine Volvo Parts</p>	 <p>New life Services</p>

BUILDING TOMORROW

Total control

Take control of your paver with a host of Volvo features, designed for simple operation and maximum efficiency. Combining the latest generation Electronic Paver Management system (EPM3), Settings Manager, quick screed setup and outstanding all-around visibility day or night, the P6720 ABG is the ultimate paving package.

Get straight to work

Get to work without delay thanks to Settings Manager, integrated within EPM3, allowing operators to store and retrieve customized settings for individual projects. A fast-heating screed further supports a quick and hassle-free machine setup.



Quick paving adjustments

The illuminated and clearly laid out screed control panel provides excellent overview of the main paving functions, enabling quick adjustments. For greater ease of operation and enhanced paving efficiency, the levelling controller is located close to the screed control panel.



Adjust with ease

Configure the P6720 ABG for the job at hand in no time, thanks to the hydraulic auger height and screed crown adjustment.



Every angle in view

From the operator platform, experience unhampered visibility around the paver, auger channel and screed. The engine hood design offers superb visibility to the hopper, enabling to check material supply and flow at a glance. Meanwhile, side mirrors provide even greater visibility, optimizing overall efficiency and jobsite safety.

INTUITIVE OPERATION

The Electronic Paver Management (EPM3) system from Volvo is renowned for its operator friendly controls. The intuitive layout guides operators through individual working functions, with the jog-wheel used to quickly select and adjust functions. Background illumination on EPM3, plus 8 standard machine lights, ensure machine operation is just as easy when working at night.

Built to perform

Built with high-performance components, the P6720 ABG is designed to boost productivity while reducing noise and lowering operating costs. Based on over 75 years of paving experience and innovative engineering, this paver delivers performance which lasts.

Durably efficient

Optimize uptime and machine lifetime with the Volvo powertrain and improved hydraulic system, offering unrivalled durability and performance. The powertrain works in harmony with the hydraulic system, which is perfectly matched to the Volvo engine. The result is high performance, low fuel consumption, less emissions and reduced noise.



Faultless finish

Rely on the durably-designed P6720 ABG paver for a consistent, high quality paving surface. With features such as the automatic track tensioning system and narrow auger drive box, you can count on this paver to deliver outstanding results, complemented further by the optional screed load/tensioning devices and long auger shafts.

POWER TO PERFORM

Power your operation with the efficient Volvo engine and perfectly matched hydraulics. Built by Volvo for Volvo, the premium engine combines high torque and low RPM for superior performance and impressively low noise levels. Reduce fuel consumption and extend component life with built-in features, such as the adaptive ECO Mode, which matches engine output to jobsite requirements.

Efficiently cool

Keep your paver cool even 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. This feature also reduces noise, lowers fuel consumption, boosts component lifetime and optimizes efficiency of the hydraulic system.



Go long

The long hopper features a 2 500mm distance between the front wall and push rollers. This gives enough space allowing even extra-large trucks with long overhangs to feed the P6720 ABG paver. The large capacity hopper also means fewer stops, less interruptions and keeps your paver paving.



Superb screeds

Take the performance of your P6720 ABG to the next level with Volvo screeds. With effective paving widths up to 9 meters, and features including electric heating, screed extension quick coupling and easy-to-assemble guide plate system, you can count on Volvo screeds to deliver a smooth, high quality surface.

Engineered for efficiency

Built on decades of engineering excellence, Volvo screeds deliver the ultimate in paving quality. Effective in paving widths up to 9 meters, the P6720 ABG is compatible with a range of industry-leading screeds, depending on customer requirements and application. Volvo Variomatic screeds have eight guide tubes, four for each hydraulic extension, which contribute to a consistent, uniformly compacted smooth surface.

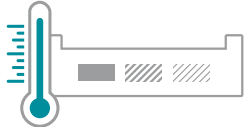


Low-profile screed design

Operators can easily climb on the screed, resulting in a more comfortable operator experience and less fatigue.

Effective heating system

For effective heating, Variomatic screeds have a dual heating bar arrangement, ensuring uniform heat distribution over the entire screed. Volvo screeds are designed with 3 heating zones, with the temperature of each zone adjusted individually. Heating elements for the tamper bar are easily replaced.





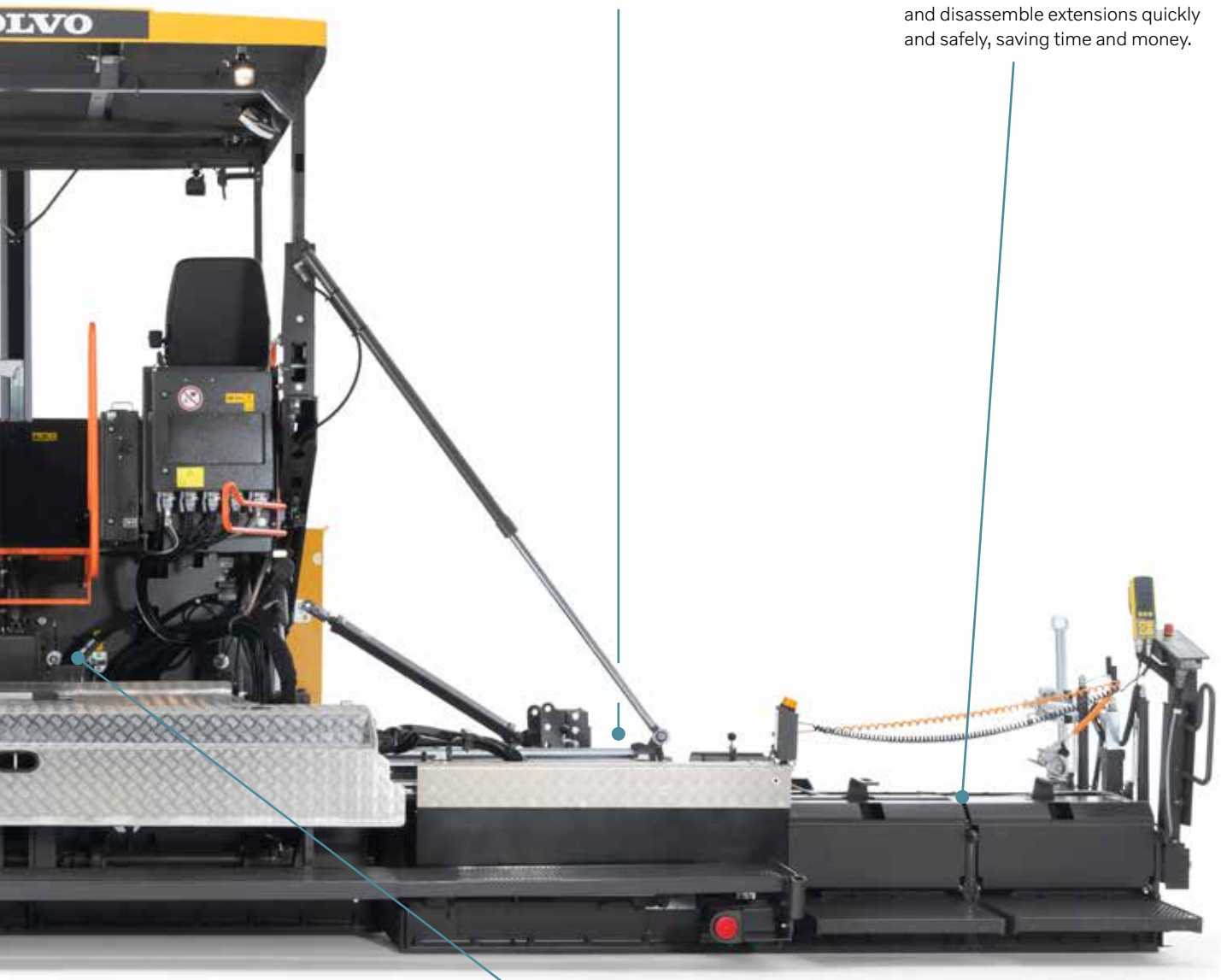
Assemble with ease

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



Quick extensions

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



Hydraulic screed crown adjustment

Quickly and easily adjust the screed to match the desired road profile finish.



Keep on paving

The P6720 ABG benefits from a host of features designed to support quick and easy routine maintenance. The result is a paver which stays out on the jobsite, performing at its best, for longer – maximizing uptime and reducing operating costs.

Easy engine access

A wide opening on top of the platform provides easy access to the engine compartment, with direct access to filters.



Service Interval Manager

Keep on top of servicing requirements with Service Interval Manager. A dedicated display on the EPM3 alerts the operator to required or scheduled maintenance, which is recorded on the system.



Total support

Maintain productivity and machine uptime with our range of widely available, tested and approved Genuine Volvo Parts – all backed by Volvo warranty. Your Volvo dealer can help you stay on track, offering flexible maintenance and repair options, as well as planned servicing, to extend the life of your paver.





EASY SERVICING

Complete routine maintenance with speed and ease thanks to a range of features including fluid drain hoses and automatic greasing system, which are all accessible from the ground-level. A single “green” key provides quick access to every ignition and service hatch across any Volvo D-series paver.

Performance – reliability – profitability

Easy to operate

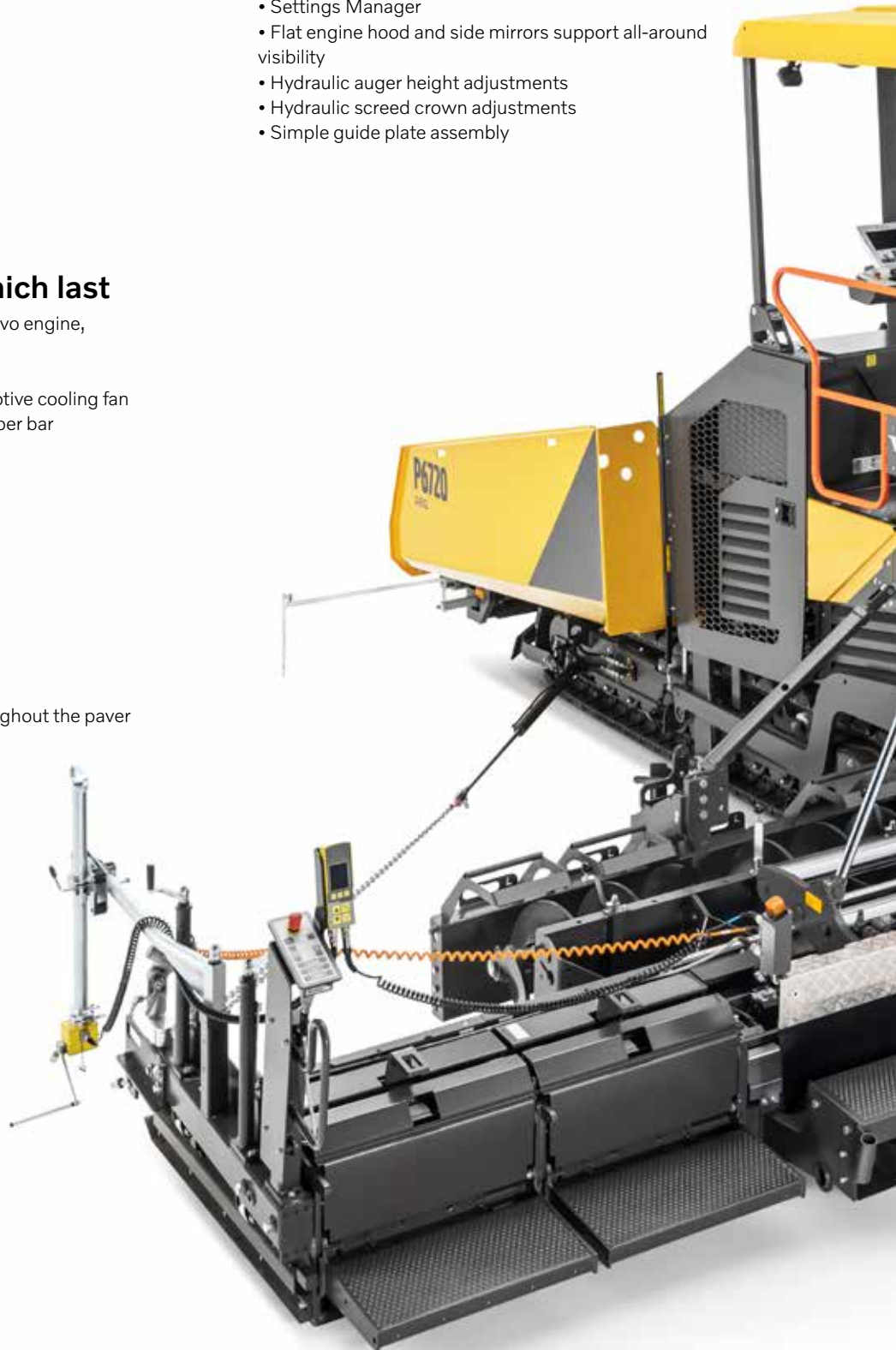
- Electronic Paving Management 3: intuitive controls
- Settings Manager
- Flat engine hood and side mirrors support all-around visibility
- Hydraulic auger height adjustments
- Hydraulic screed crown adjustments
- Simple guide plate assembly

Performance which last

- Fuel efficient, low-noise Volvo engine, featuring ECO mode
- Volvo matched powertrain
- Hydraulically powered adaptive cooling fan
- Fully-hardened screed tamper bar

Keep paving

- 15,5 tonnes hopper capacity
- 2 500mm long hopper
- Lighting and illuminated controls throughout the paver



EASY SERVICING

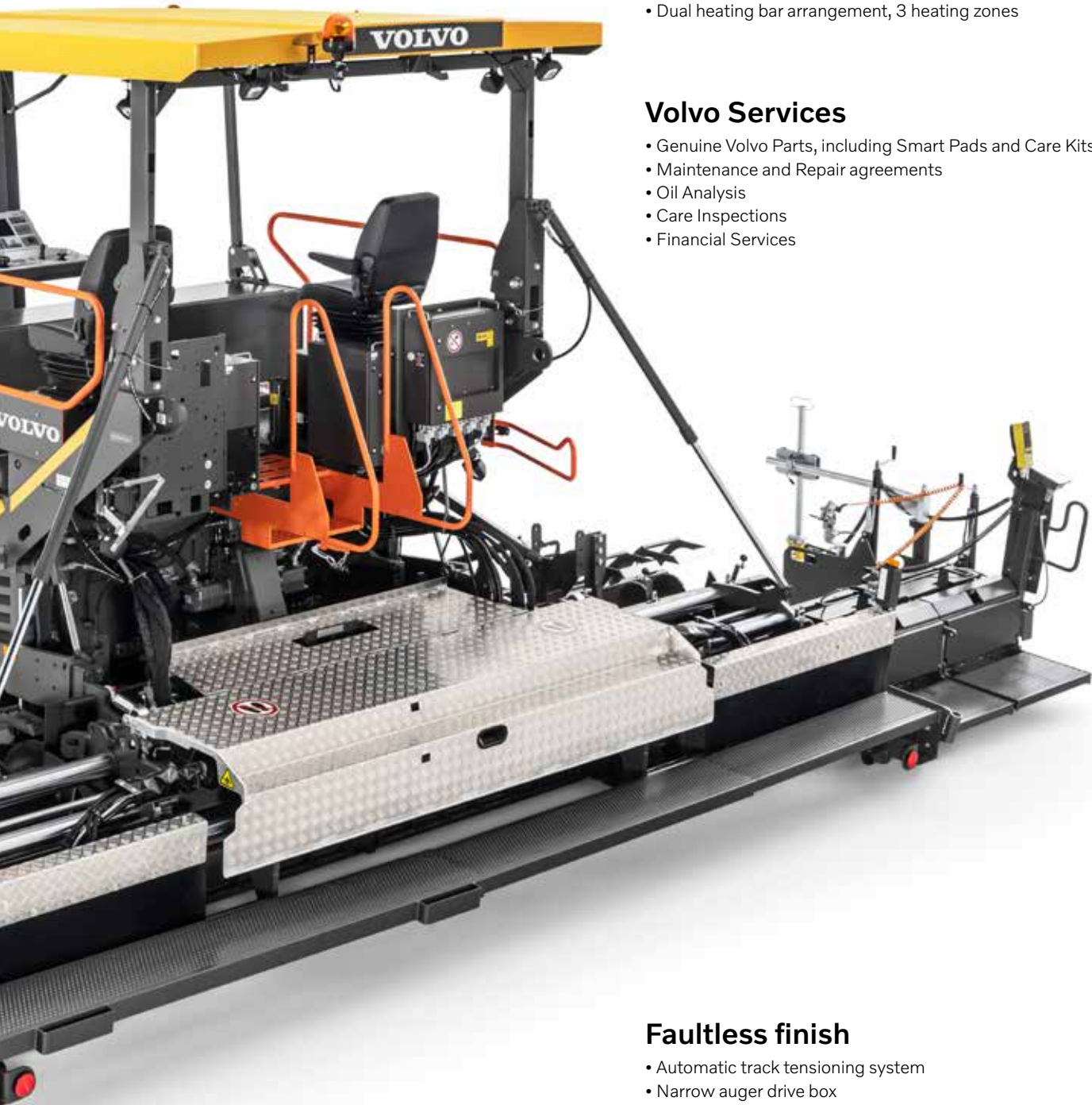
- Service Interval Manager
- Wide opening on top of the platform: direct access to filters
- Ground-level access to automatic greasing system and fluid drain hoses
- Easily replaced screed tamper bar heating elements

Superb screeds

- Pave up to 9 meters
- Range of Variomatic screeds
- Quick extensions coupling system
- Low-profile screeds design
- Dual heating bar arrangement, 3 heating zones

Volvo Services

- Genuine Volvo Parts, including Smart Pads and Care Kits
- Maintenance and Repair agreements
- Oil Analysis
- Care Inspections
- Financial Services



Faultless finish

- Automatic track tensioning system
- Narrow auger drive box
- Screed tensioning/load devices (Options)
- Long auger shafts (Option)

Volvo P6720 ABG in detail

Engine		
Manufacturer		Volvo
Model		D6E
Fuel		Diesel
Output	kW	140
	hp	190.3
at engine speed	r/min	2 000
Coolant		Liquid
Fuel tank capacity	l	250
Exhaust emission		Stage IIIA
Paving		
Output (theoretical)*	t/h	700
Mat thickness (max)	mm	300
Speed		
Paving (max)	m/min	20
Transport (max)	km/h	3.3
Conveyor		
Hopper capacity	t	15.5
Number of conveyors		2
Conveyor speed (max)	m/min	21
Auger		
Number of augers		2
Speed (max)	1/min	95
Diameter	mm	360
Electrical System		
Battery voltage	V	24
Dimensions		
Length with Vario Screed (Walkway up)	mm	6 452
Width	mm	2 548
Height	mm	3 783
Height (transport)	mm	2 910
Weight**		
Tractor unit	kg	14 540
Max. allowable gradeability***		
Tractor unit + screed	%	25
Undercarriage		
Length	mm	3 000
Width (track plates)	mm	300
Vibration		
Hand-Arm vibration according to ISO 5349:2001	m/s ²	<2.5
Whole Body vibration according to ISO 2631:1997	m/s ²	<0.5

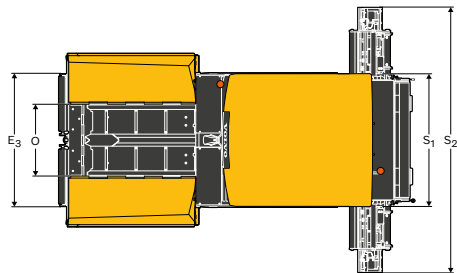
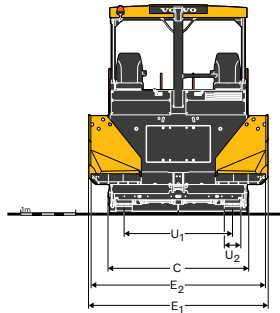
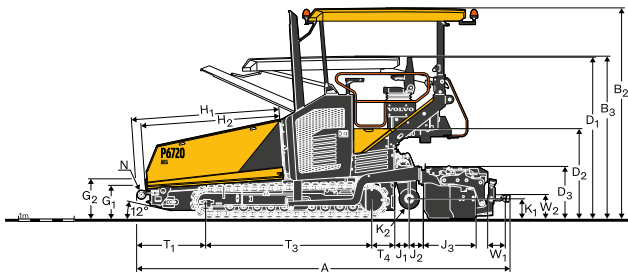
Notes

*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.

**All weights are approx. weights without options. Weight of tractor without screed, with standard hopper, with fuel tank half full, with continuous towing arms, with push roller D=160 mm and incl. 75 kg driver.

***Applies to screed VB 78 2.5-5.0 m. When using extensions the max. allowable gradeability will be reduced.

Specifications



DIMENSIONS		
	Unit	P6720DL ABG
A	mm	6 702
B ²	mm	3 783
B ³	mm	2 916
C	mm	2 548
D ¹	mm	2 624
D ²	mm	1 613
D ³	mm	987
E ¹	mm	3 257
E ²	mm	3 176
E ³	mm	2 495
G ¹	mm	525
G ²	mm	597
H ¹	mm	2 656
H ²	mm	2 505
J ¹	mm	265
J ²	mm	259
J ³	mm	932
K ¹	mm	356
K ²	mm	360
N	mm	160
O	mm	1 325
S ¹ VB 78	mm	2 500
VB 88	mm	3 000
S ² VB78	mm	5 000
VB 88	mm	6 000
T ¹	mm	1 233
T ³	mm	3 000
T ⁴	mm	408
U ¹	mm	1 969
U ²	mm	301
W ¹	mm	315
W ²	mm	434

OPERATING WEIGHTS¹ OF SCREEDS

At working width		5.0 m	6.0 m	6.5 m	7.0 m	7.5 m	8.0 m	8.5 m	9.0 m
VB 78 ETC	kg	3 600	-	5 222	-	5 802	6 342	-	6 923
VB 88 ETC	kg	-	4 050	-	-	5 772	-	6 352	6 892

¹ Including auger extensions, channel plates, end gates, towing arms rear, etc.

Equipment

STANDARD EQUIPMENT

Engine

Volvo Diesel engine, Stage IIIA

Drive

Electronic drive control

Lifetime lubricated crawler track rollers

Forged and hardened crawler track links

Automatic track tensioner

Material Management

Standard long hopper

160 mm push roller

Analog conveyor sensors

Four individual hydrostatic drives for conveyors and augers

Reversible conveyor

Reversible direction of auger rotation

Standard Auger 10 m

Manual auger height adjustment

Proportional ultrasonic sensor auger control

Central lubrication

Electrics and electronics

Electronic Paver Management (EPM 3) Main Control Panel

Set of Basic Screed control Units

ECO mode

Settings Manager

Service Interval Manager

Battery master switch

Electric switch cabinet

High ambient temperature fan

MATRIS

Structure

All-weather roof of GRP (glass-fibre reinforced plastic)

Manual roof pump

Adjustable and revolving main control panel at operator platform

Two screed control panels

Two standard seats

Storage space below seats

Anti-vandalism kit

Near field mirrors at weather roof

Volvo Green Key

Screed

Split towing arms

Screed lock

Quick coupling system for vario screeds

Hydraulic crown adjustment vario screeds

Lights

Work Light kit Halogen

Environmental

Sound insulation

OPTIONAL EQUIPMENT

Material Management

Individually operated hopper wings

Auger extensions and additional auger bearings

Hydraulic auger height adjustment

Electrics and electronics

Levelling Equipment

Screed

Screed assist

Screed anti-climbing lock

Screed load device

Screed tensioning device

Spacer Blocks 56 mm

Lights

Warning beacons Halogen

Environmental

High performance spray cleaning unit

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Screed tensioning device



Screed load device



Advanced levelling system, including slope sensor and levelling controller



Rotating beacon



Individually operated hopper wings



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.

V O L V O