



Volvo Construction Equipment

ABG5820

Volvo Tracked Pavers 2.5 m - 8.0 m 112 kW



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.



Volvo Trucks



Renault Trucks



Mack Trucks



UD Trucks



Volvo Buses



Volvo Construction Equipment



Volvo Penta



Volvo Financial Services



Smooth paving control

The simple, easy to use dial on the control panel directs the electro-hydraulic system to deliver unsurpassed paving control for smooth operation in any application. Volvo ABG5820 is ideal for paving on curves where precision is crucial and on straight stretches where it delivers sharp edges.

Power and precision

Trust Volvo tracked pavers to increase your profits. They are built tough to deliver powerful performance in every application. With ample reserve power, robust and sturdy design and high paving efficiency, the tracked Volvo ABG5820 is an ideal partner for scale projects in paving widths from 2.5 up to 8.0 m.

Travel drives

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

Crawler unit

The Volvo ABG5820 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.



Powerful engine

A high performance engine provides adequate reserve power for all operating conditions even at maximum paving widths.



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.

Volvo puts you in control

Put 360° visibility to work, making for a safer and more convenient jobsite experience. Observe steady material flow from the large hopper, improving continuous paving. Exceptional auger channel visibility makes it easy to control the augers and conveyors to maintain a consistent head of material needed to produce a smooth quality mat behind the screed.



Serviceability

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



EPM II control panel

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 arranged by paver location for quick identification. The large panel can be adjusted for the most comfortable position.



Consistent material flow

Large hopper capacity, independent drives for both bar conveyors and both augers provide the precise smooth material flow needed to maintain the optimum head of material in the auger channel for the screed to produce a high quality mat.

The perfect paving package

Low noise level

Low noise level for safe and comfortable operation.



Top engine performance

High performance engine provides adequate reserve power for all operating conditions even at maximum paving widths.



Serviceability

All daily maintenance checks can be made quickly, safely and easily from the operator platform.



The best screed performance

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



Smooth paving

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.



Unique sun roof design

The operator can extend the sides of the sun roof for added protection. Folding canopy allows to lower the roof for easy transport.



EPM II control panel

Provides an overview of the paving process. The large color screen panel can be adjusted to find the most comfortable operating position.



All-round visibility

360° view of the paving process for improved productivity. Operator seat can be extended over the side of the paver for increased visibility.

Hopper design

Folding hopper wings and conveyor ensure proper material flow. An (optional) apron increases capacity and ensures the hopper is emptied.

Travel drives

Unsurpassed paving control for smooth operation in any application.

Fixed and hinged channel plates

Fixed and hinged channel plates ensure an optimum head of material in the auger channel.



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's ABG Variomatic single tamper VB 78 screed is recognized among paving professionals for producing quality smooth mats with uniform density in a wide range of paving materials on any jobsite, large or small.



Screed technology

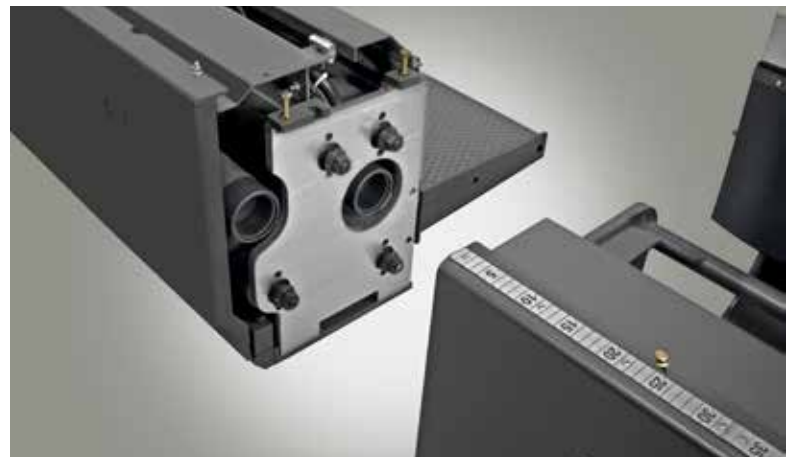
Volvo Variomatic screeds offer the highest flexibility on jobs when frequently changing paving widths between 2.5 and 5.0 m and up to 8.0 m with extensions. Additional

features include three zone gas or electric heating, hydraulic crown adjustment, low profile design and hydraulic height adjustment of extensions.



Screed Control Unit

Two screed mounted units provide operators with easy access to the screed adjustment settings. The SCU allows the operator to easily control the screed and material flow.



Unique Quick Coupling

Extensions are added or removed in minutes, with no special tools required, thanks to the unique Volvo Quick Coupling system – saving you time and money.

Specifications

		ABG5820
Engine (Diesel)		
Make		Deutz
Model		TCD2013L04 2V
Output	kW	112 @ 2 200 rpm
Coolant		Liquid
Fuel tank capacity	l	300
Exhaust emission		COM Stage IIIA
Paving		
Output (theor.)*	t/h	600
Mat thickness (max.)	mm	300
Speeds		
Paving	m/min	20
Transport	km/h	3.6
Undercarriage		
Track length	mm	2900
Width (track plates)	mm	305
Mix conveyor system		
Hopper capacity	t	13.5
Conveyors		2
Conveyor speed	m/min	15.6
Augers (number of)		
2		
Auger speed	rpm	77
Auger diameter	mm	360
Electrics		
Vehicle Voltage	Volt	24
Transport dimensions		
Width	mm	2 500
Length	mm	6 210
Height	mm	2 940
Weights**		
Tractor unit	kg	12 200
Max. allowable gradeability***		
Tractor unit + screed	%	25
Sound Level		
Operator's Ear, acc. to ISO 11201	LpA dB(A)	85
External, acc. to Directive 2000/14/EC	LwA dB(A)	105

* 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 the tractor: tires filled with water, Diesel tank half-full and weather roof included.

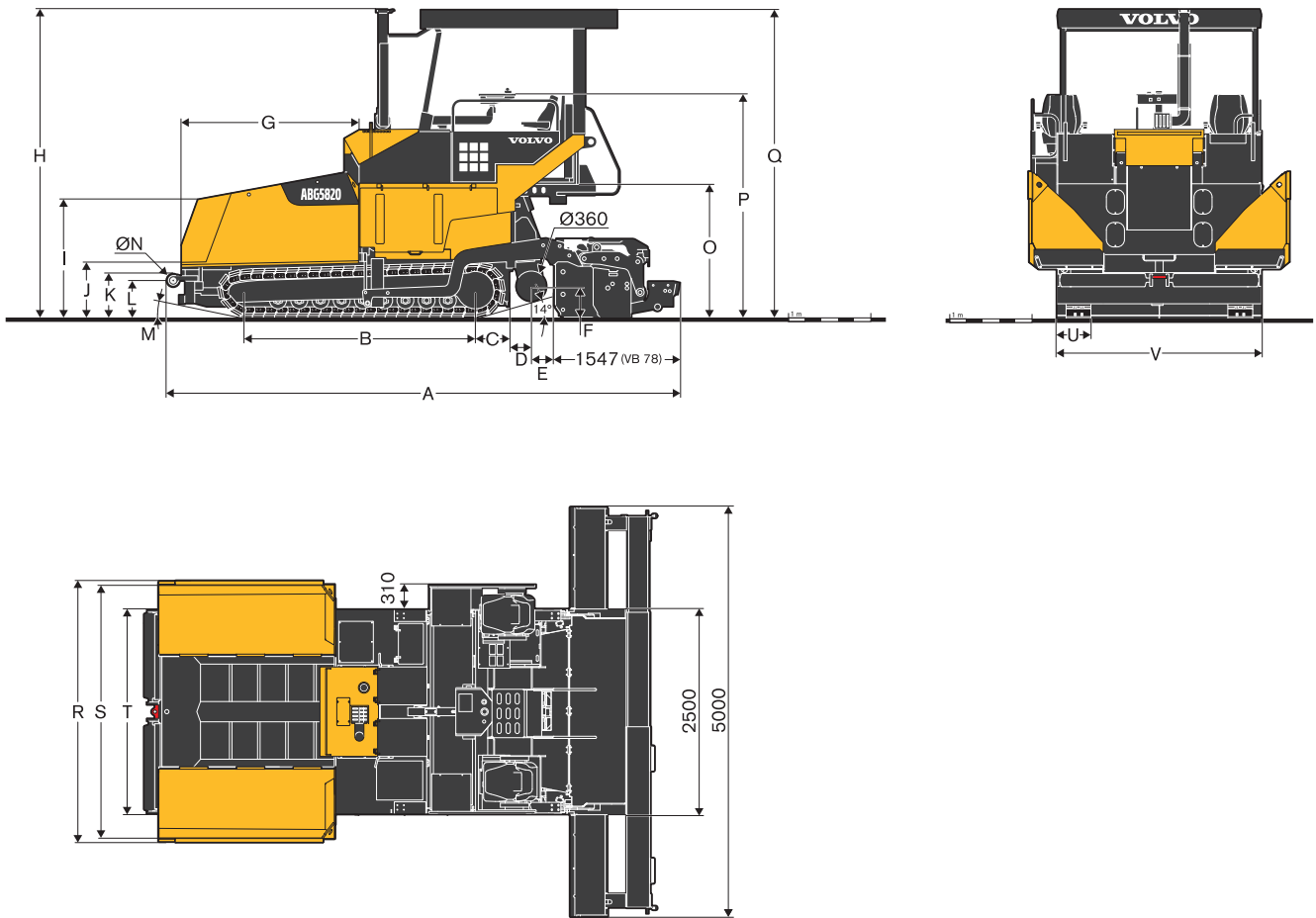
*** Applies to screed VB 78 2.5-5.0 m. When using extensions the max. allowable gradeability will be reduced.

Operating weights¹ of screeds in kg

at working width	2.5-5 m	6.5 m	7.5 m	8 m
VB 78 ETC	3 600	5 222	5 782	6 342
VB 78 GTC	3 680	5 342	5 912	6 502

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

Dimensions



DIMENSIONS

	A	B	C	D	E	F	G	H	I	J	K
mm	6 202	2 900	405	265	275	360 +/- 65	2 163	3 780	1 431	635	535
	L	M	N	O	P	Q	R	S	T	U	V
mm	452	12.5°	110	1605	2 699	3 750	3 191	3 091	2 490	300	2 269

Equipment

STANDARD EQUIPMENT

Engine

Deutz Diesel engine, Stage IIIA / EPA Tier 3

Drive

Electronic drive control

Lifetime lubricated crawler track rollers

Forged and hardened crawler track links

Automatic track tensioner

Material Management

Truck buffer rollers with 110 mm Ø

Four individual hydrostatic drives for conveyors and augers

Mechanical auger height adjustment

Reversible direction of auger rotation

Auger speed control ON/OFF

Electronics

Electronic Paver Management (EPM2)

Adjustable and revolving control unit

Electric switch cabinet

Battery master switch

Two external control panels for the paving screed

Structure

Two seats, laterally extendable

Anti-vandalism kit

Screed

Split towing arms

Hydraulics for Vario screeds with tamper and vibration

Screed lock

Lights

Four working lights

Environmental

Sound insulation

Miscellaneous

Tool kit

OPTIONAL EQUIPMENT

Material Management

Individual operating hopper wings

Hydraulically operated front apron

Hydraulic auger height adjustment

Reversible conveyor

Proportional Ultrasonic Sensor auger control

Central lubrication

Truck buffer rollers with 160 mm Ø

Electronics

Levelling systems

Auxiliary control panel

Additional sockets 230V

Structure

Deluxe seats with heating

GRP all-weather roof with manual-hydraulic folding device

All-weather roof with manual-hydraulic folding device

Front windscreen (only in conjunction with all-weather roof)

Special paintwork

Screed

Screed anti-climbing lock

Screed assist

Hydraulic height adjustment of extendable screeds

Lights

Xenon floodlighting (only in conjunction with all-weather roof)

Two additional lights (rear)

Driver's compartment lighting (only in conjunction with all-weather roof)

Warning beacon

Environmental

Emulsions spraying system

Heavy-duty spray cleaning gun

Fuel transfer pump

Particle filter (according to BUVAL directions)

Biodegradable hydraulic oil

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Hydraulic height adjustment for extendable screed



Special paintwork



Heavy-duty spray cleaning gun



Individual operating hopper wings



Additional lights



Auxiliary control panel



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

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