



Volvo Construction Equipment

# ABG6820

VOLVO TRACKED PAVERS 2.5 m - 10 m 129kW



# 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



#### Eco mode

Most applications do not require the high output capacity of the engine. In such cases, the driver can select the Eco mode on the EPM II control unit. This lowers the engine speed resulting in lower noise and improved fuel savings.

# 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 ABG6820 is an ideal partner for scale projects in paving widths from 2.5 up to 10.0 m.

## 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 - saving time, increasing productivity and ensuring optimum paving quality.



## Travel drives

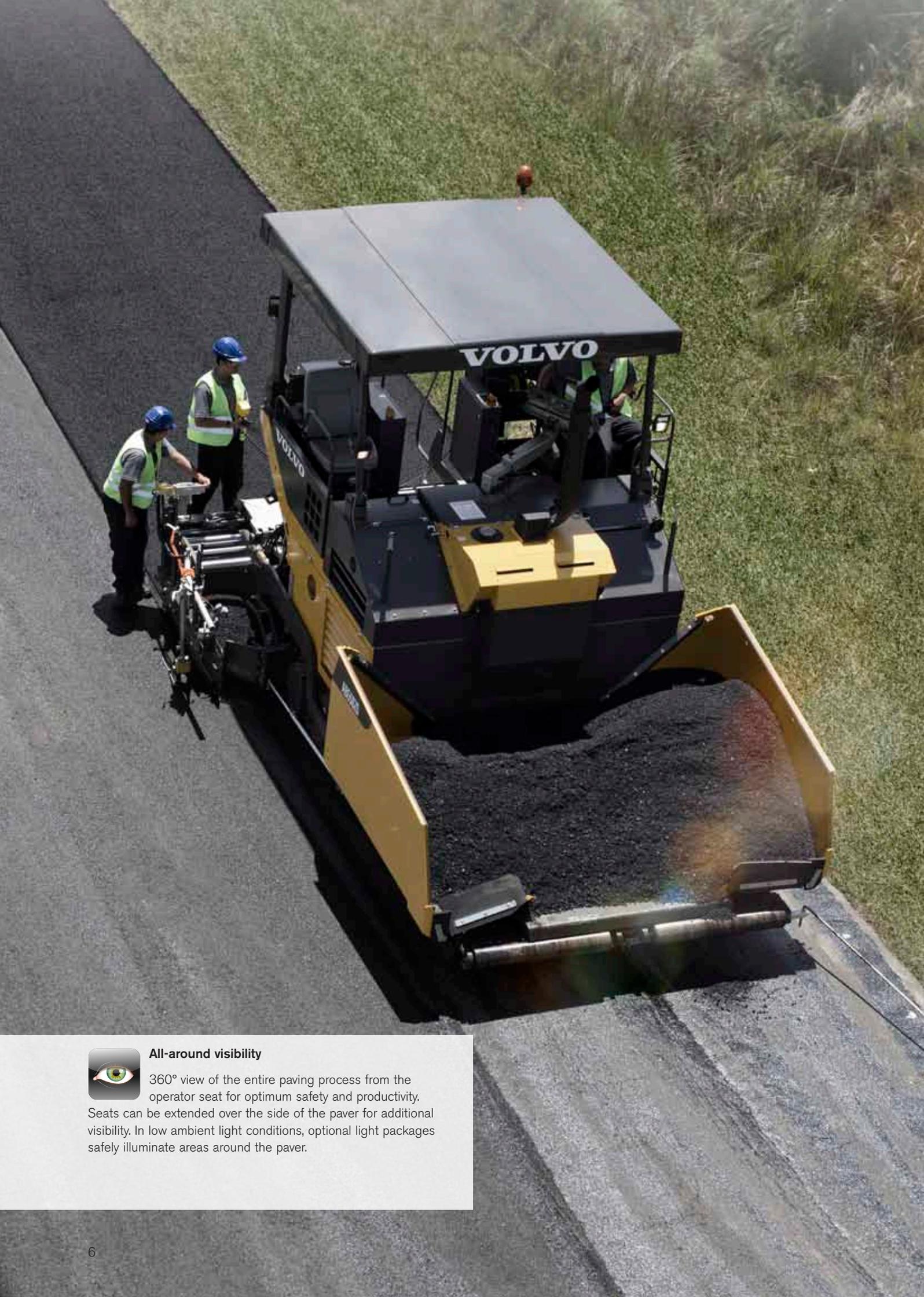
The electronically controlled travel drives ensure a uniform propulsion, accurate straight travel, exact cornering and soft starts; all of which are prerequisites for a smooth quality mat.



## Crawler unit

The ABG6820 offers exceptional traction properties. The large contact area of the crawler tracks together with an optimal machine weight distribution enables an efficient paving process even on bases with a poor bearing capacity.





#### **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 auger and conveyors to maintain a consistent head of material needed to produce a smooth quality mat behind the screed.



## EPM II control panel

Volvo's intuitive Electronic Paving Management control panel, with integrated color screen, allows the operator to quickly select and adjust paver settings while on the move. The large panel can be adjusted for the most comfortable operating 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.



## Adjustable seat

Comfortable and ergonomic designed control area with wide single level platform with anti-skid deck plating. The adjustable seat can extend beyond the side of the paver.



## Serviceability

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

# The perfect paving package.

## Low noise level

Low noise level for safe and comfortable operation.



## Powerful engine

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 pavement quality, uniformity and smoothness.

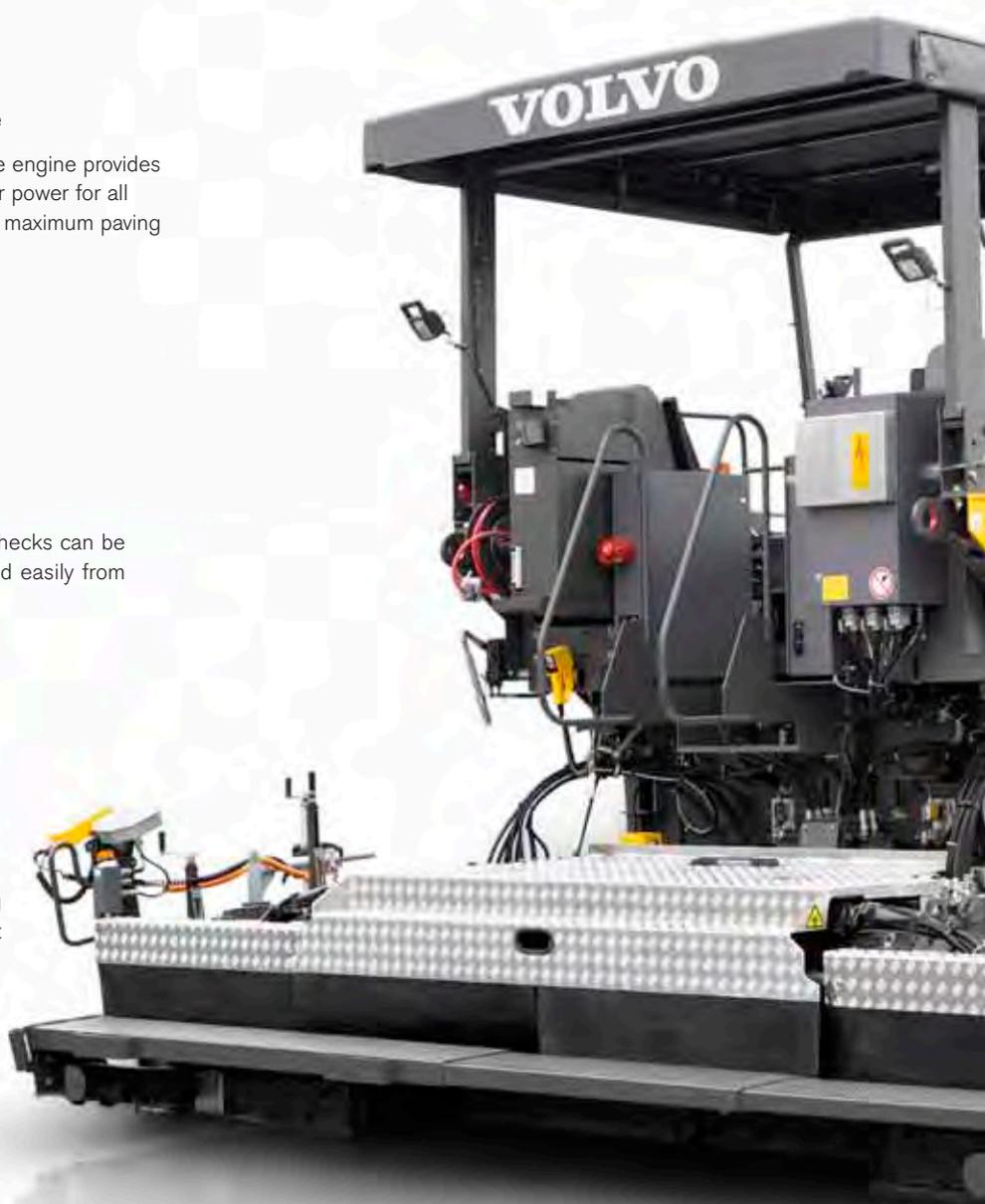


## Smooth paving

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.



### 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.

### 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.



### Eco mode

Eco mode lowers the engine speed, resulting in lower noise and improved fuel savings.

### Fixed and hinged channel plates

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



# 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.

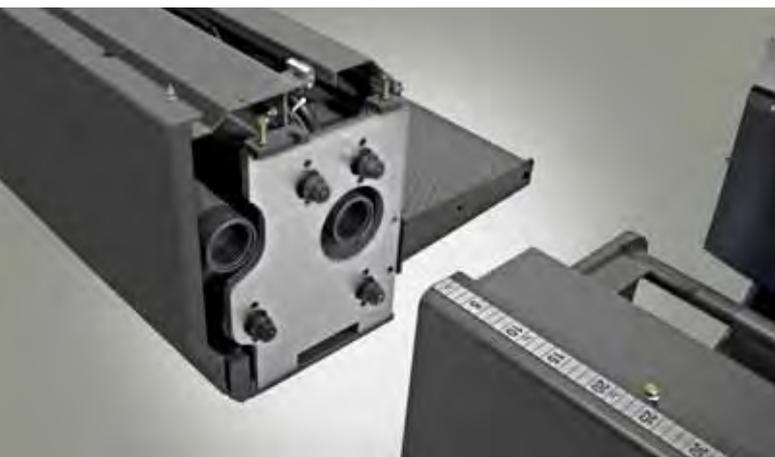
# Industry leading performance.

Paving professionals recognize Volvo ABG single and double tamper Variomatic screeds as well as their fixed screed for producing quality mats with a wide variety of paving materials on any job large or small.



## Screed technology

Volvo Variomatic screeds offer the highest flexibility on jobs when frequently changing paving widths. Additional features include three zone electric or gas heating, hydraulic crown adjustment, low profile design and hydraulic height adjustment of extensions.



## Unique Quick Coupling

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



## Screed Control Unit

Two screed mounted units provide operators with easy access to the screed adjustment settings. The SCU provides the operator easy control of all screed functions as well as material flow management.

# Specifications.

|                             |       | ABG6820         |
|-----------------------------|-------|-----------------|
| <b>Engine (Diesel)</b>      |       |                 |
| Make                        |       | Deutz           |
| Model                       |       | TCD2013L04 2V   |
| Output                      | kW    | 129 @ 2 200 rpm |
| Coolant                     |       | Liquid          |
| Fuel tank capacity          | l     | 300             |
| Exhaust emission            |       | COM Stage IIIA  |
| <b>Paving</b>               |       |                 |
| Output (theor.)*            | t/h   | 700             |
| Mat thickness (max.)        | mm    | 300             |
| <b>Speeds</b>               |       |                 |
| Paving                      | m/min | 20              |
| Transport                   | km/h  | 3.6             |
| <b>Undercarriage</b>        |       |                 |
| Track length                | mm    | 2 900           |
| Width (track plates)        | mm    | 305             |
| <b>Mix conveyor system</b>  |       |                 |
| Hopper capacity             | t     | 13.5            |
| Conveyors                   |       | 2               |
| Conveyor speed              | m/min | 17.8            |
| <b>Augers (number of)</b>   |       |                 |
|                             |       |                 |
| Auger speed                 | rpm   | 77              |
| Auger diameter              | mm    | 360             |
| <b>Electrics</b>            |       |                 |
| Vehicle Voltage             | Volt  | 24              |
| <b>Transport dimensions</b> |       |                 |
| Width                       | mm    | 2 550           |
| Length                      | mm    | 6 210           |
| Height                      | mm    | 2 940           |
| <b>Weights**</b>            |       |                 |
| Tractor unit                | kg    | 14 240          |

\* 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.

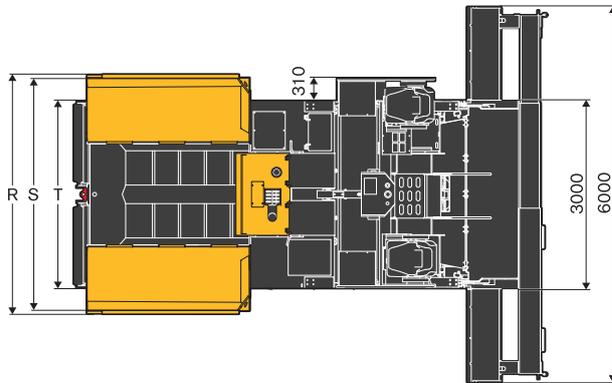
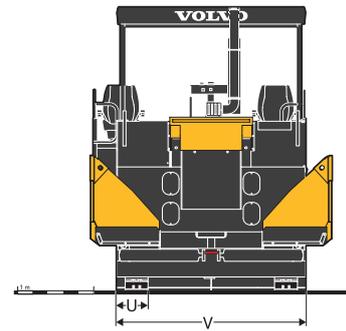
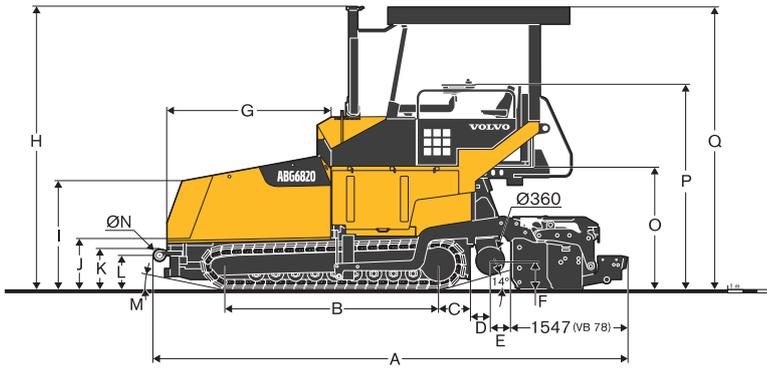
\*\*approximate weight without screed / with standard hopper / fuel tank half full / towing arms separated / 75kg driver

## SCREED OPERATING WEIGHTS<sup>1</sup> IN KG

| At working width | 2.5 m | 4 m   | 5 m   | 6 m   | 6.5 m | 7 m   | 7.5 m | 8 m   | 8.5 m | 9 m   | 10 m  |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| VB 78 ETC        | -     | -     | 3 600 | -     | 5 222 | -     | 5 782 | 6 342 | -     | 6 903 | -     |
| VB 78 GTC        | -     | -     | 3 680 | -     | 5 342 | -     | 5 912 | 6 502 | -     | 7 073 | -     |
| VDT-V 78 ETC     | -     | -     | 3 720 | -     | 5 442 | -     | 6 032 | -     | -     | -     | -     |
| VDT-V 78 GTC     | -     | -     | 3 800 | -     | 5 562 | -     | 6 172 | -     | -     | -     | -     |
| VB 88 ETC        | -     | -     | -     | 3 820 | -     | -     | 5 542 | -     | 6 102 | 6 662 | -     |
| VB 88 GTC        | -     | -     | -     | 3 900 | -     | -     | 5 662 | -     | 6 232 | 6 822 | -     |
| VDT-V 88 ETC     | -     | -     | -     | 4 450 | -     | -     | 6 272 | -     | -     | -     | -     |
| VDT-V 88 GTC     | -     | -     | -     | 4 520 | -     | -     | 6 382 | -     | -     | -     | -     |
| MB 122           | 1 800 | 3 065 | -     | 4 752 | -     | 5 595 | 6 017 | 6 439 | -     | 7 282 | 8 126 |

<sup>1</sup> 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 | 939 | 1 605 | 3 735     | 3 191 | 3 091 | 2 490 | 300 | 2 269 |

## STANDARD EQUIPMENT

### Engine

Deutz Diesel engine, COM IIIA/EPA Tier III

### Drive

Electronic drive control

Lifetime lubricated crawler track rollers

Forged and hardened crawler track links

Automatic track tensioner

### Material Management

Large 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

### Structure

Two seats, laterally extendable

Anti-vandalism kit

### Electronics

Electronic Paver Management (EPM2)

Smart power

Settings Manager

Service Interval Manager

Adjustable and revolving control unit

Electric switch cabinet

Battery master switch

Two external control panels for the paving screed

### Screed

Screed towing arms, continuous version

Hydraulics for Vario screeds with tamper and vibration

Screed lock

### Lights

Four working lights

### Environmental

Sound insulation

### Miscellaneous

Tool kit

# Equipment.

## OPTIONAL EQUIPMENT

### Material Management

Individual operating hopper wings  
 Hydraulically operated front apron  
 Reversible conveyor  
 Hydraulic auger height adjustment  
 Auger kit (required for paving width 8-10 m)  
 Large truck buffer rollers with 160 mm Ø (included in heavier screeds kits)  
 Proportional Ultrasonic Sensor auger control according to material requirements  
 Central lubrication

### Structure

Deluxe seats with heating  
 GFK 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)  
 Tarpaulin for sides  
 Special paintwork (according to RAL colour code, excluding metallic paintwork)

### Electronics

Levelling systems (please see price list)  
 Auxiliary control panel  
 Additional sockets 230V

### Screed

Split towing arms  
 Screed anti-climbing lock  
 Screed tensioning device  
 Screed assist  
 Screed load device  
 Hydraulics for Vario screeds with double tamper & manual screeds  
 Hydraulic height adjustment of extendable screeds

### Lights

Xenon floodlighting (only in conjunction with all-weather roof)  
 Two additional lights (rear)  
 Driver's compartment lighting  
 Warning beacon

### Environmental

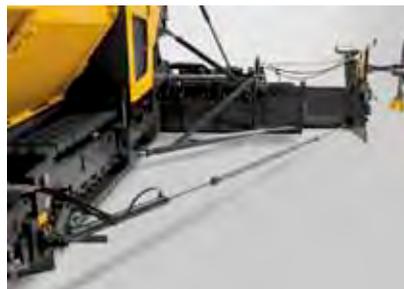
Extractor for bituminous fumes  
 Emulsions spraying system  
 Heavy-duty spray cleaning gun  
 Fuel transfer pump  
 Particle filter (according to BUVAL directions)  
 Biodegradeable hydraulic oil

## SELECTION OF VOLVO OPTIONAL EQUIPMENT

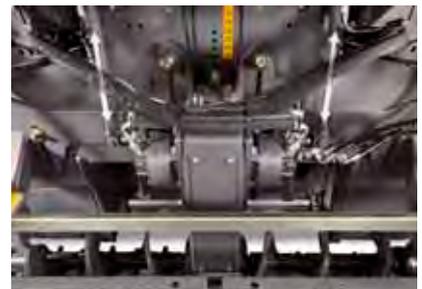
**Hydraulic height adjustment for extendable screed**



**Screed tensioning device**



**Hydraulic auger height adjustment**



**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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[www.volvoce.com](http://www.volvoce.com)