

VOLVO TRACKED PAVER

# ABG 2820



**MORE CARE. BUILT IN.**





# ABG 2820 - UNIQUE IN ITS CLASS.



The ABG 2820 is an all-round talent for small to medium paving applications. Although a compact paver, it includes many of the state-of-the-art features already incorporated in Volvo's larger models. The powerful propulsion system enables the paver to push any feed truck and the EPM control panel offers Volvo's unique operating comfort

## Fields of Application

The ABG 2820 is the economic solution when paving the following applications

- Footpaths, cycle tracks and rural roads
- Parking lots and access roads
- Sports arenas and recreation grounds
- Landscape projects
- Urban roads
- Resurfacing work

## Environmentally Friendly Engine with low Fuel Consumption

The COM III certified diesel engine runs quietly and is environmentally friendly. Low fuel consumption together with the large fuel tank capacity permit non-stop paving operations - depending on job-site conditions - of up to 12 hours without refuelling.

## Travel Drive with High Tractive Force

The electronically controlled travel drive ensures a uniform propulsion, accurate straight ahead travel, exact cornering and soft start. These are optimum prerequisites for a smooth and even mat.

The high static friction of the replaceable thick rubber track pads ensures a very high tractive power.



## Optimum Mobility

A high transport speed of 6 km/h and extraordinary manoeuvrability facilitate moving the paver around the jobsite. Individually operated hopper wings (option) and swivelling truck buffer rollers permit paving right up to lateral obstructions.

## Efficient Mix Conveyor System

The well dimensioned hopper has a capacity of 6 t and can be charged by large dump trucks without any problem. Due to individual hydrostatic drives for each conveyor and each auger the mix distribution is individually adapted to the requirements of each screed side.

## Low Operating Costs

The ABG 2820 is designed to require very low maintenance. Lifetime lubricated crawler tracks with automatic tensioning system and maintenance-free bearings for the conveyor, the screed tamper and vibrator reduce maintenance time and costs to a minimum.

## Excellent Operating Comfort

The operator's platform offers excellent all-round vision. The control panel and seat can cross-slide as a complete unit to both sides of the paver and rotate through 30° in its end positions.



## D Latest generation of EPM

The Electronic Paver Management is a well-proven serial CAN bus control system with a modern operating panel which clearly displays all paver functions, settings and operating status. No other system on the market offers such intuitive operation, and extensive options for storing and analyzing machine data.

## E Superior View of Material Flow

The cross-sliding, rotating operator's seat and panel unit and a high sitting position provide an excellent view of the flow of paving material.

## F Variomatic Screed VB 30

The VB 30 tamping and vibrating screed with patented screed guide system infinitely extends to double the basic width (1.5 - 3.0 m). Screed extensions increase the paving width up to 4.0 m.

# STANDARD FEATURES / OPTIONAL EQUIPMENT



## Two Independent Conveyors (Option)

With the two independent conveyors the flow of material can be adapted to unequal requirements of each screed side (e.g. when paving along a wall).

## Individually Operated Hopper Wings (Option)

Separately controlled hopper wings facilitate feeding from the side by wheel loaders etc. when paving close to an obstruction.



## Front Hopper Wall (Option)

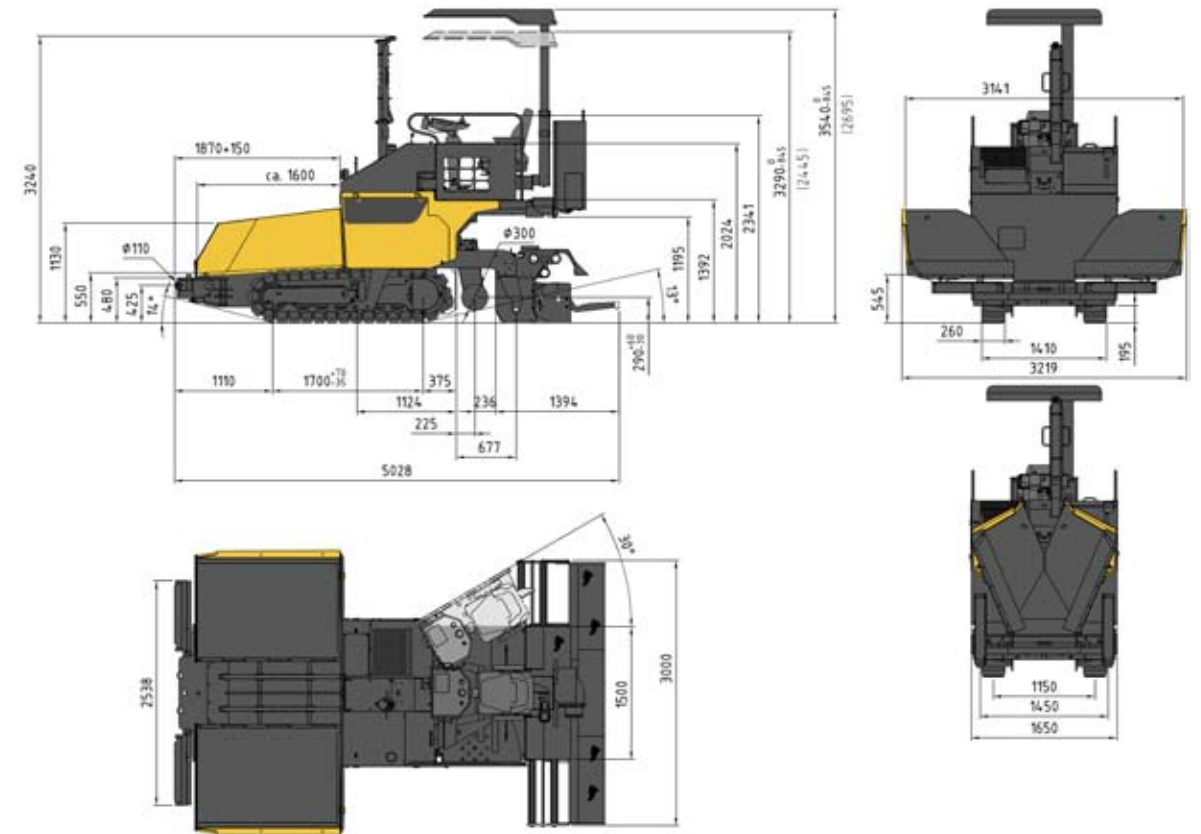
If the jobsite conditions don't permit the material feed by rear dump trucks the hopper can also be charged from the side (by conveyor, wheel loader etc.). The front hopper wall avoids spilling material in front of the paver.



Standard (S)	Option (O)
Deutz Diesel engine, COM IIIA/EPA Tier III	S
Electronic Paver Management (EPM2)	S
Remote Diagnostic Service (RDS)	O
Operator's panel and seat unit, laterally slewable and rotatable	S
Deluxe seat with heating	O
GFK all-weather roof	O
Electronic drive control	S
Lifetime lubricated crawler track rollers	S
Forged and hardened crawler track links	S
Steering system with individual hydrostatic drives	S
Individually swivelling truck buffer rollers	S
Front cross beam longitudinally adjustable	S
Individual operating hopper wings	O
Front hopper wall	O
Hydrostatic drives for conveyors and augers	S
Single conveyor	S
Two independent conveyors	O
Reversible conveyor	O
Maintenance-free conveyor bearings	S
Proportional USS auger control according to material requirements	O
Reversible direction of auger rotation	O
Screed lock	S
Screed anti-climbing lock	O
Screed load device	O
Half lane paving kit	O
Mechanical auger height adjustment	S
Hydraulic auger height adjustment	O
Levelling systems (please see price list)	O
Electric switch cabinet	S
Four working lights	S
Sound insulation	S
Anti-vandalism kit	S
Battery master switch	S
Two external control panels for the paving screed	S
Tool kit	S
Particle filter (according to BUVAL directions)	O
Two additional rear lights	O
Warning beacon	O
Auxiliary control panel	O
Heavy-duty spray cleaning gun	O
Fuel transfer pump	O
Special paintwork (according to RAL colour code, excluding metallic paintwork)	O

Partial listing of standard equipment and available options

# DIMENSIONS



Engine (Diesel)	Model		Deutz TD2011L04
	Output	kW/HP	63/86 @ 2 200 min <sup>-1</sup>
	Coolant		Liquid
	Fuel tank capacity	l	125
	Exhaust emission		COM IIIA /EPA Tier III
Paving	Output (theor.) <sup>1</sup>	t/h	330
	Mat thickness (max.)	mm	250
Speeds	Paving	m/min	29
	Transport	km/h	6
Crawler unit	L <sub>a</sub> length	mm	1680
	Width (track plates)	mm	260
Mix conveyor system	Hopper capacity	t	6,0
	Conveyors		1
	- Conveyor speed	m/min	21
	Augers		2
	Auger speed	1/min	81
	Auger diameter	mm	300
Electrics		V	24 V system
Transport dimensions	Width x Length x Height	mm	1 650 x 5 028 x 2 445
Weights <sup>2</sup>	Tractor unit	kg	7 880
Screed VB 30	Basic width and adjusting range	m	1.50 - 3.00
	Max. paving width with extensions	m	4.00
Operating weights <sup>2</sup>	at 1.50 -3.00 m paving width	kg	1 610
	at 4.00 m paving width	kg	1 870

<sup>1</sup> 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.

<sup>2</sup> All weights are approx. weights without options.





Volvo Construction Equipment is different. It's designed, built and supported in a different way. That difference comes from an engineering heritage of over 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



*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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