

# Specifications

<b>Specifications</b>		
<b>Engine (diesel)</b>		
Manufacturer		Volvo
Model		D6E
Output	kW	142
	hp	193
at engine speed	r/min	2 000
Coolant		Liquid
Fuel tank capacity	l	240
Exhaust emission		Stage IIIA / Tier 3
<b>Paving</b>		
Output ( theoretical)*	t/h	700
Mat thickness (max)	mm	300
<b>Speed</b>		
Paving (max)	m/min	20
Transport (max)	km/h	3.3
<b>Undercarriage</b>		
Length	mm	3 000
Width (track plates)	mm	300
<b>Conveyor</b>		
Hopper capacity	t	13.5
Number of conveyors		2
Conveyor speed (max)	m/min	23
<b>Auger</b>		
Speed (max)	l/min	80 / 90 (HD)
Diameter	mm	360
<b>Electrics</b>		
Battery voltage	V	24
<b>Dimensions</b>		
Length	mm	6 092
Width	mm	2 550
Height (transport)	mm	2 917
<b>Weight**</b>		
Tractor unit	kg	15 000
<b>Max. allowable gradeability***</b>		
Tractor unit + screed	%	25
* 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.		
<b>Sound Level</b>		
Sound Pressure Level at Driver's Ear, acc. to ISO 11201		
LpA	dB(A)	82 (with VB78, VB79, VB88,VB89 screeds)
Guaranteed Sound Power Level, acc. to Directive 2000/14/EC		
LwA	dB(A)	105 (with VB78, VB79, VB88,VB89 screeds)

# Screed Specifications



## Robust screed design

A rugged screed frame and two large support tubes for the extensions work together to deliver a rigid screed assembly. The tubes also provide torsional stiffness along with the frame and low tow point - which allows for consistent paving.

## Tamper bar and vibration

Single or dual tamper bar technology delivers high compaction densities behind the screed. Together with vibration quality and smoothness is achieved.

## Heating

Volvo screeds feature independent temperature control of the main screed and extensions as well as tamper bar heating.

## Crown adjustment

A hydraulic powered crown feature with remote control enables quick and simple adjustments.

## Grease distribution

Optimum lubrication is provided via a central greasing system, reducing maintenance requirements.

## Height adjustment

A hydraulic height adjustment device accurately adapts the height of the extensions to match the main screed.

## OPERATING WEIGHTS<sup>1</sup> OF SCREEDS IN KG

At working width	P6820C										
	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

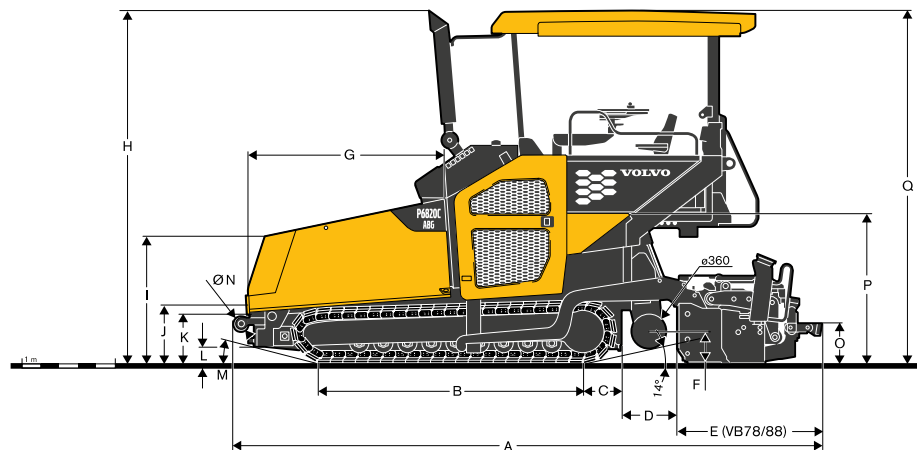
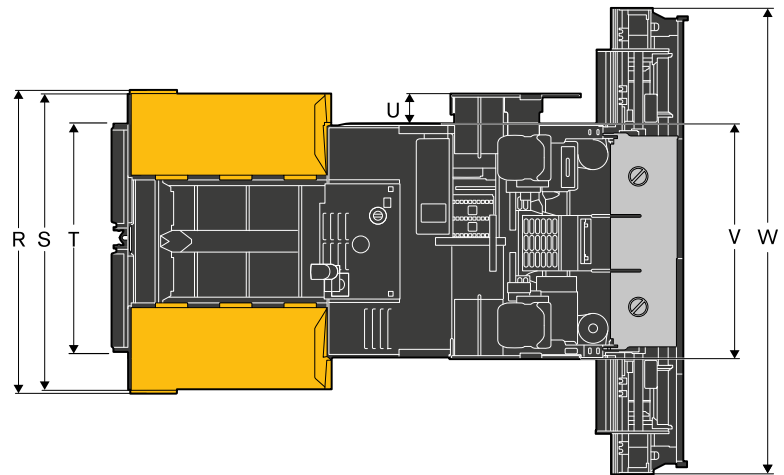
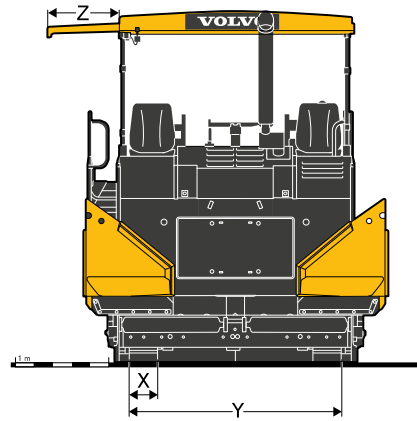
<sup>1</sup> Including auger extensions, channel plates, end gates, towing arms rear, etc.

# Specifications

## DIMENSIONS

### P6820C

Unit		mm
A		6 388
B		3 000
C		415
D		530
E		1 615
F		360 ± 60
G		2 170
H		3 793
I		1 373
J		608
K		525
L		155
M		13°
N		110
O		438
P		1 614
Q	up	3 785
	down	2 917
R	open	3 252
	closed	2 454
S		3 168
T		2 495
U		320
V		2 500/ 3 000
W		5 000/ 6 000
X		300
Y		2 269
Z		770



# Equipment

## STANDARD EQUIPMENT

### Engine

Volvo Diesel engine, Stage IIIA / Tier 3

### Drive

Electronic drive control

Lifetime lubricated crawler track rollers

Forged and hardened crawler track links

Automatic track tensioner

### Material Management

Four individual hydrostatic drives for conveyors and augers

Hydraulic auger height adjustment

Reversible direction of auger rotation

Proportional auger speed control

### Electronics

Electronic Paver Management (EPM 2)

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

### 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

Driver's compartment lighting

### Environmental

Sound insulation

## OPTIONAL EQUIPMENT

### Material Management

Individual operating hopper wings

Hydraulically operated front apron

Reversible conveyor

Proportional Ultrasonic Sensor auger control according to material requirements

Central lubrication

### Electronics

Levelling systems

Auxiliary control panel

Additional sockets 230V

### Structure

Deluxe seats with heating

GRP (Glass-fibre reinforced plastic) all-weather roof

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

Tarpaulin for sides

Special paintwork (according to RAL colour code, excluding metallic paintwork)

### Screed

Hydraulics for Vario screeds with double tamper and vibration & man. adjust. screeds

Screed anti-climbing lock

Screed tensioning device

Screed assist

Screed load device

Hydraulic height adjustment of extendable screeds

### Lights

Xenon working lights (only in conjunction with all-weather roof)

Two additional working lights (rear)

Auger lighting

Warning beacons

### Environmental

Extractor for bituminous fumes

Emulsions spraying system

Heavy-duty spray cleaning gun

Biodegradable hydraulic oil

## SELECTION OF VOLVO OPTIONAL EQUIPMENT

### Hydraulic height adjustment for extendable screed



### Screed tensioning device



### Individual hopper wings



### Central lubrication system



### Additional working lights (light package)



### 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.