Specifications

Make	Model		P5770C	P5870C	P6870C
Model	Engine (Diesel)				
Output at installed speed KW HP 129 at 2 000 rpm Coolant Fuel tank capacity I Liquid Exhaust emission COM 3A/EPA Tier 3 Paving Output (theor)! t/h 500 600 700 Mat thickness (max.) mm 300 300 Speeds Paving m/min 40 Transport Transport Mm/h 20 Propulsion	Make			Volvo	
Coolant	Model			D6	
Coolant Cupul discovery Com 3 A / EPA Tier 3	Output at installed speed	kW		129 at 2 000 rpm	
Fuel tank capacity		HP		175 at 2 000 rpm	
Fuel tank capacity 1	Coolant			Liquid .	
Exhaust emission	Fuel tank capacity	I			
Paving				COM 3A /EPA Tier 3	
Output (theor,)¹ t/h 500 600 700 Mat thickness (max.) mm 300 Speeds Speeds Paving m/m 40 Transport km/h 20 Propulsion Drive units front 2 2 Rear wheels 2 pneumatic tires dimension 385/95R25 Front steering wheels elastic tires Number 2 4 4 6 pneumatic tires Number 2 4 4 Cont steering wheels elastic tires Number 2 4 4 Mix to the properties of the prop	Paving				
Mat thickness (max.) mm 300 Speeds Speeds Paving m/min 40 Transport km/h 20 Propulsion Drive units rear 2 Drive units front 2 2 Rear wheels 2 2 2 pneumatic tires dimension 385/95R25 Front steering wheels elastic tires Number 2 4 4 6 580 580 580 580 6 580 580 580 580 Mix conveyor system 9 2 4 4 Hopper capacity 1 12 2 2 Conveyors 2 2 Conveyors 2 2 Conveyors 2 2 1 Auger speed 1/min 90 Auger speed 1/min 90 Auger speed 1 4 4 4 4 4 4 4 4 4 4 4		t/h	500	600	700
Speeds	•				
Paving					
Transport		m/min		40	
Propulsion 2 2 Drive units rear 2 2 4 Rear wheels 2 2 4 Pront steering wheels elastic tires Number 2 4 4 Ø 580 580 580 width 340 340 340 Mix conveyor system Volt 12 2 4 2 580 580 580 580 580 580 580 580 580<					
Drive units front 2 2 4 Rear wheels 2 pneumatic tires dimension 385/95R25 Front steering wheels elastic tires Number 2 4 4 6 580 580 580 width 340 340 340 Mix conveyor system Hopper capacity t 12 2 Conveyors 2 2 2 Conveyors speed 21.5 4 2 580 880 8 8 25 580 8 8 8 1 4 4 4 8 1 8 1 <td></td> <td>13(11)/11</td> <td></td> <td>20</td> <td></td>		13(11)/11		20	
Drive units front 2	-			2	
Rear wheels 2 pneumatic tires dimension 385/95R25 Front steering wheels elastic tires Number 2 4 4 60 580 580 580 Mix conveyor system Width 340 340 Hopper capacity t 12 12 Conveyors 2 2 2 Conveyor speed 21.5 4 4 Auger speed 1/min 90 90 Auger speed 1/min 90 90 Electrics Weighter mm 360 90 Electrics Weighter in many 2550 Use of the properties of the proper			9		1
2 pneumatic tires dimension 385/95R25			2	2	7
Front steering wheels elastic tires Number 2		dimension		205 (05005	
Part	•	dimension		363/93R23	
Mix conveyor system	-	Mle e	0	1	4
width 340 340 340 Mix conveyor system Hopper capacity t 12 Conveyors 2 2 Conveyor speed 21.5 Augers Augers Vexical speed 1/min 90 Auger diameter mm 360 Section Sectio	elastic tires				
Mix conveyor system					
Hopper capacity		width	340	340	340
Conveyors peed 21.5 Augers Auger speed 1/min 90 Auger diameter mm 360 Electrics Vehicle Voltage Volt 24 Transport dimensions Width mm 2 550 Length mm 6 132 Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Guaranteed Sound Power Level, I wA dB(A) I MAX dB(A) Aggress 21.5 Auger Sallow 90 44 44 44 45 46 46 46 46 46 46					
Conveyor speed 21.5 Augers Auger speed 1/min 90 Auger diameter mm 360 Electrics Vehicle Voltage Volt 24 Transport dimensions Width mm 2 550 Length mm 6 132 Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Guaranteed Sound Power Level, LwA dB(A) 104 (with VB78, VB79, VB88, VB89 screeds)		t			
Auger speed 1/min 90 Auger diameter mm 360 Electrics Vehicle Voltage Volt 24 Transport dimensions Width mm 2 550 Length mm 6 132 Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Guaranteed Sound Power Level, LwA dB(A) Age 10 1/min 90 Auger diameter mm 360 Electrics 14 400 Auger diameter mm 360 Electrics 14 400 Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Auger diameter mm 360 Electrics 14 400 Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Auger diameter mm 360 Electrics 1/min 90 Auger diameter mm 360 Electrics 1/min 100 Electrics 1/min 1				=	
Auger speed 11/min 90 Auger diameter mm 360 Electrics Vehicle Voltage Volt 24 Transport dimensions Width mm 2 550 Length mm 6 132 Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Guaranteed Sound Power Level, LwA dB(A) Load (with VB78, VB79, VB88,VB89 screeds)				21.5	
Auger diameter mm 360 Electrics Vehicle Voltage Volt 24 Transport dimensions Width mm 2 550 Length mm 6 132 Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Guaranteed Sound Power Level, LwA dB(A)					
Vehicle Voltage		1/min			
Vehicle Voltage Volt 24 Transport dimensions Width mm 2 550 Length mm 6 132 Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 LpA dB(A) 83 (with VB78, VB79, VB88,VB89 screeds) Guaranteed Sound Power Level, LwA dB(A) 104 (with VB78, VB79, VB88,VB89 screeds)	_	mm		360	
Transport dimensions Width mm 2 550 Length mm 6 132 Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 LpA dB(A) 83 (with VB78, VB79, VB88, VB89 screeds) Guaranteed Sound Power Level, LwA dB(A) 104 (with VB78, VB79, VB88, VB89, screeds)					
Width mm 2 550 Length mm 6 132 Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 LpA dB(A) 83 (with VB78, VB79, VB88,VB89 screeds) Guaranteed Sound Power Level, LwA dB(A)	-	Volt		24	
Length	Transport dimensions				
Height mm 2 970 Weights² Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Guaranteed Sound Power Level, LwA dB(A) LyA dB(A) 104 (with VB78, VB79, VB88,VB89 screeds)	Width	mm		2 550	
Weights² Iractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 LpA dB(A) 83 (with VB78, VB79, VB88,VB89 screeds) Guaranteed Sound Power Level, LwA dB(A) 104 (with VB78, VB79, VB88,VB89 screeds)	Length	mm		6 132	
Tractor unit kg 13 850 14 400 14 400 Max. allowable gradeability³ Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Guaranteed Sound Power Level, LyA dB(A) LyA dB(A) 13 850 14 400 14 400 14 400 15 83 (with VB78, VB79, VB88,VB89 screeds)	Height	mm		2 970	
Max. allowable gradeability³ Tractor unit + screed	Weights ²				
Max. allowable gradeability³ Tractor unit + screed	Tractor unit	kg	13 850	14 400	14 400
Tractor unit + screed % 25 Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Guaranteed Sound Power Level, LpA dB(A) 104 (with VB78, VB79, VB88, VB89 screeds)	Max. allowable gradeability ³				
Sound level Sound Pressure Level at Driver's Ear, acc. to ISO 11201 Cuaranteed Sound Power Level, LpA dB(A) 83 (with VB78, VB79, VB88,VB89 screeds) 104 (with VB78, VB79, VB88,VB89 screeds)		%		25	
Sound Pressure Level at Driver's Ear, acc. to ISO 11201 LpA dB(A) 83 (with VB78, VB79, VB88,VB89 screeds) Guaranteed Sound Power Level, 104 (with VB78, VB79, VB88,VB89 screeds)	Sound level				
Guaranteed Sound Power Level, 104 (with VB78 VB79 VB88 VB99 screeds)	Sound Pressure Level at Driver's	LpA dB(A)	83 (w	ith VB78, VB79, VB88,VB89 sc	reeds)
	Guaranteed Sound Power Level,	LwA dB(A)	104 (v	vith VB78, VB79, VB88,VB89 so	creeds)

¹ 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.

2 All weights are approx. weights without options. Weight of the tractor: tires filled with water, Diesel tank half-full, 75kg operator and weather roof included.

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

Screed specifications



Robust screed design

A tough screed frame and two large support tubes for the extensions work together to deliver a rigid screed assembly.

Tamper bar and vibration

Single tamper bar technology delivers high compaction densities behind the screed. Together with vibration, this ensures quality and smoothness.

Heating

Volvo screeds feature independent temperature control on the main screed and every single extension.

Crown adjustment

A hydraulic screed adjustment feature with remote control enables quick and simple change from -2% to +4%.

Grease distribution

Volvo provides optimum lubrication via a central greasing point, reducing maintenance requirements.

Optional end gates

Hinged screed end gates can be pivoted to the rear of the paver to shorten the overall width during transport.

Choice of screeds			P5770C	P5870C	P6870C
VB 78 ETC/GTC	Basic width / hydraulic adjusting range	m	2.5-5.0	2.5-5.0	2.5-5.0
	max. paving width with extensions	m	7.5	8.0	9.0
VB 88 ETC/GTC	Basic width / hydraulic adjusting range	m	-	3.0-6.0	3.0-6.0
	max. paving width with extensions	m	-	8.0	9.0

Screed weights* at working width		2.5-5.0 m	3.0-6.0 m	6.5 m	7.5 m	8.0 m**	8.5 m***	9.0 m***
VB 78 ETC	kg	3 600	-	5 222	5 782	6 342	-	6 903
VB 78 GTC	kg	3 680	-	5 342	5 912	6 502	-	7 073
VB 88 ETC	kg	-	3 820	-	5 542	5 832	6 102	6 662
VB 88 GTC	kg	-	3 900	-	5 662	5 952	6 232	6 822

^{*} Including auger extensions, channel plates, end gates, etc.

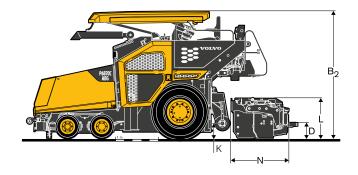
^{**} P5870C & P6870C

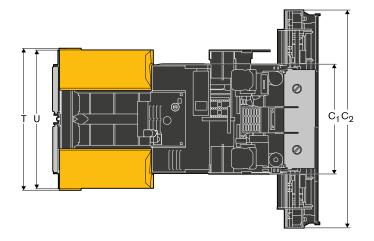
^{***} P6870C

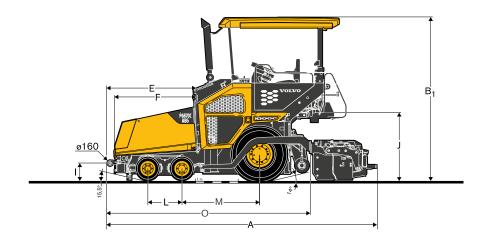
Specifications

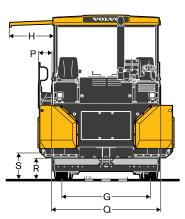
DIMENSIONS

	P5770C	P5870C	P6870C
Unit	mm	mm	mm
Α	6 358	6 358	6 358
B,	3 837	3 837	3 837
B ₂	2 970	2 970	2 970
C ₁	2 500	2 500	2500/3000
C ₂	5 000	5 000	5 000/6 000
D	376	376	376
Е	2 103	2 103	2 103
F	1 894	1 894	1 894
G	2 076	2 076	2 076
Н	770	770	770
I	405	405	405
J	1 604	1 604	1 604
K	350 ±60	350 ±60	350 ±60
L		800	800
М		1 825	1 825
N	1 344	1 344	1 344
0	4 788	4 788	4 788
Р	320	320	320
Q	2 550	2 550	2 550
R	495 / 598*	495 / 598*	495 / 598*
S	594 / 630*	594 / 630*	594 / 630*
T open	3 177	3 177	3 177
closed	2 487	2 487	2 487
U	3 093	3 093	3 093









^{*} with optional front apron

Equipment

STANDARD EQUIPMENT

• · · · · · · · · · · · · · · · · · · ·			
	P5770C	P5870C	P6870C
Volvo Diesel engine D6, COM 3A / EPA Tier 3	•	•	•
Electronic Paver Management (EPM2) with Smart Power	•	•	•
Electronically controlled travel drive	•	•	•
Cross-sliding control unit with tiltable display unit and slewable steering wheel	•	•	•
Railings with seat console and light support unit	•	•	•
Two seats, laterally extendable	•	•	•
Two steerable front wheels with hydraulic ride levellers	•		
Four steerable front wheels with hydraulic ride levellers		•	•
Two front wheels hydraulically driven	•		
Rear pair of the front wheels hydraulically driven		•	
Four front wheels hydraulically driven			•
Load-controlled torque of the front wheels drive	•	•	•
Engageable front wheel drive	•	•	•
Hydrostatic drive on rear wheels	•	•	•
Centre auger drive (paving widths up to 8.0 m)	•	•	•
Hydraulic auger height adjustment	•	•	•
Reversible direction of auger rotation	•	•	•
Auger speed control ON/OFF	•	•	•
Four individual hydrostatic drives for conveyors and augers	•	•	•
Screed lock	•	•	•
Central electric switch cabinet	•	•	•
Driver's compartment lighting	•	•	•
Four working lights	•	•	•
Sound insulation	•	•	•
Anti-vandalism kit	•	•	•
Battery master switch	•	•	•
Two external control panels for the paving screed	•	•	•
Back-up alarm	•	•	•
Tool kit	•	•	•
Split towing arms	•	•	•

OPTIONAL EQUIPMENT

	P5770C	P5870C	P6870C
GRP (Glass-fibre reinforced plastic) all-weather roof	•	•	•
Front windscreen (only in conjunction with all-weather roof)	•	•	•
Tarpaulin for sides	•	•	•
Screed tensioning device	•	•	•
Screed assist	•	•	•
Hydraulic height adjustment of extendable screed	•	•	•
Individual operating hopper wings	•	•	•
Hydraulically operated front apron	•	•	•
Reversible conveyor	•	•	•
Proportional USS auger control according to material requirements	•	•	•
Centre auger drive 9.0 m		•	•
Levelling systems	•	•	•
Adaption for high temperatures up to 55°C	•	•	•
Generator mounting set 9.0 m		•	•
Extractor for bituminous fumes	•	•	•
Central lubrication	•	•	•
Xenon Floodlighting	•	•	•
Two additional lights (rear)	•	•	•
Road travel lighting	•	•	•
Auger lighting	•	•	•
Warning beacon for all-weather roof	•	•	•
Lateral emergency stop (left and right hand)	•	•	•
Additional sockets 230V	•	•	•
Pressure gauge for front-wheel drive	•	•	•
Emulsions spraying system incl. hose reel	•	•	•
Heavy-duty spray cleaning gun	•	•	•
Special paintwork (according to RAL colour code, excluding metallic paintwork)	•	•	•
Biolodegradeable hydraulic oil	•	•	•
Deluxe seat with heating	•	•	•
Protective half shells auger drive shaft	•	•	•

Standard equipment and options may vary based on local markets.

Consult local sales when building your next paver.

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.

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Emulsion spray system



Central lubrication system



Hydraulically operated front apron



Deluxe seat with heating



Individual hopper wings



Additional lights (light package)

