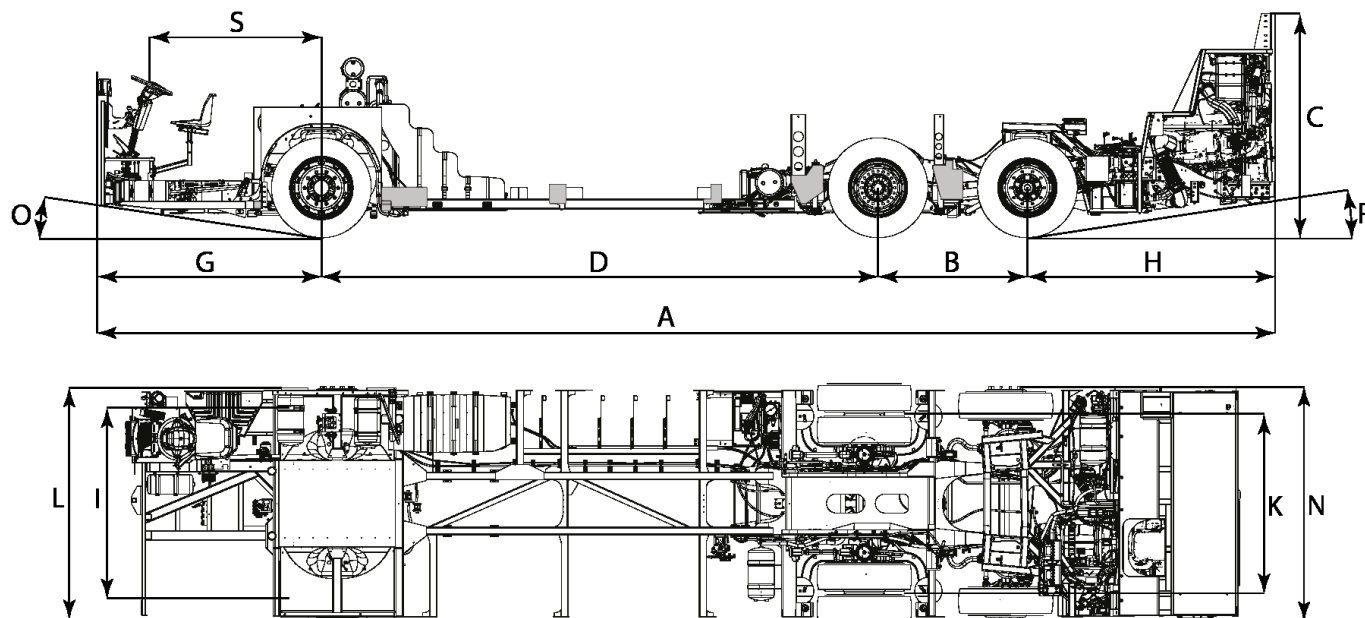




Volvo Buses. Driving quality of life

VOLVO B8L DOUBLE DECKER

Euro 6



Model	6 x 2
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Overall dimensions		
A	Overall chassis length (mm)	11791
B	Bogie (mm)	1500
C	Frame height at rear structure (mm)*	2213
D	Wheelbase (mm)	5590
G	Front overhang (mm)	2213
H	Rear overhang (mm)	2488
S	Steering wheel position (mm)	1703
I	Track, front (mm)*	2069
K	Track, rear (mm)*	1878
L	Overall width front wheels or housing (mm)*	2450
N	Overall width rear wheels (mm)*	2526
O	Approach angle (°)	7.5
P	Departure angle (°)	8
*) Track width, overall width and frame height are measured with tyres: and steel rims		305/70 R22.5 steel disc rim 8.25" x 22.5"

Weights		
Permitted front axle load (kg)		7500
Permitted drive axle load (kg)		11500
Bogie axle load (kg)		17300
Permitted tag axle load (kg)		6700
Permitted GVW (kg)		24800

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Model	6 x 2
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Engine	D8K350
Emission standard	Euro 6
Engine system	EGR, Common Rail
Displacement (dm ³)	7.7
Cylinders/arrangement	6/in-line
Output (hp)	350
Output ISO 1585 (kW)	258
Torque ISO 1585 (Nm)	1400
at engine speed (rpm)	1200-1600

Fuel tanks	
Diesel (L)	350, 375
AdBlue® (L)	30
AdBlue® tank side (RHS/LHS)	RHS
Oilmaster® (L)	7

Transmission and axles	
Gearbox	ZF 6AP1400C
	ZF 6AP1600C
Front axle	Volvo RFS
Rear axle	ZF AV133
Tag axle	Fixed
Differential lock	No

Suspension and steering	
Air bellows, front	2
Air bellows, drive	4
Air bellows, tag	2
Kneeling	Standard
Max wheel angle	52°
Power steering	Electric driven hydraulic steering
Steering wheel position	RHD

Important information

For variants concerning wheelbase, steering wheel diameter and permitted front axle load, see Type approval according to EC/70/311/ECE R79 and EC/71/320/ECE R13.

Exhaust system

- One box muffler design
- Diesel Oxidation Catalyst (DOC)
- Diesel Particulate Filter (DPF)
- Selective Catalytic Reduction (SCR)
- Ammonia Slip Catalyst (ASC)
- Automatic regeneration of DPF without driver involvement under normal conditions
- On Board Diagnostic (OBD) for emissions, according to step C of emission regulations
- Engine certified for usage with biodiesel and hydrotreated vegetable oil (HVO)

Cooling system

- Electrically driven fans with speed control
- No coolant filter
- Coolant level warning in instrument cluster
- Higher allowed coolant temperature for better cooling performance and lower fuel consumption

Tyres and rims

Steel or aluminium rims available

Rims	Tyres
8.25" x 22.5"	305/70 R22.5"

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Air and brake system

- Volvo disc brakes
- Electronic Stability Program (ESP)
- Electronic Braking System (EBS 5)
- Anti-lock Braking System (ABS)
- Acceleration Slip Regulation (ASR)
- Brake Blending
- Dual retarder control
- Drag torque control
- Hill Start Aid
- Brake Temperature Warning
- Poor brake performance warning
- Door Brake
- Brake Assistant
- Lining wear sensing and analysis
- Automatic calibration after brake pad change
- Compressed Air System, easily filled from external circuit

Cut-in pressure	9.5 bar
Cut-out pressure	12.5 bar

Driver's station

Cluster and controls transit mounted.

- Instrument cluster
 - speedometer
 - rev counter
 - 6.5" display
 - fuel gauge
 - coolant temperature
 - brakes
 - turbo and oil pressure
 - indicators
 - warning lamps
- Tachograph
- Data logging
- External temperature meter
- Fuel economy meter
- Engine controls in engine compartment to enable engine operation from the rear of the vehicle

Electrical system

- Volvo I-Start system
 - dual battery system which separates batteries into two circuits
 - optimised start batteries to increase engine start capability
 - optimised consumer batteries for longer lifetime
- Automatic shut off of main switch at low voltage level
- Load Balanced Alternators
- Regenerative Charge Control to increase fuel efficiency

Number of batteries

Start batteries	2 x 12 V
Consumer batteries	2 x 12 V

Battery capacity

Start batteries	2 x 35 Ah
Consumer batteries	2 x 105 Ah

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