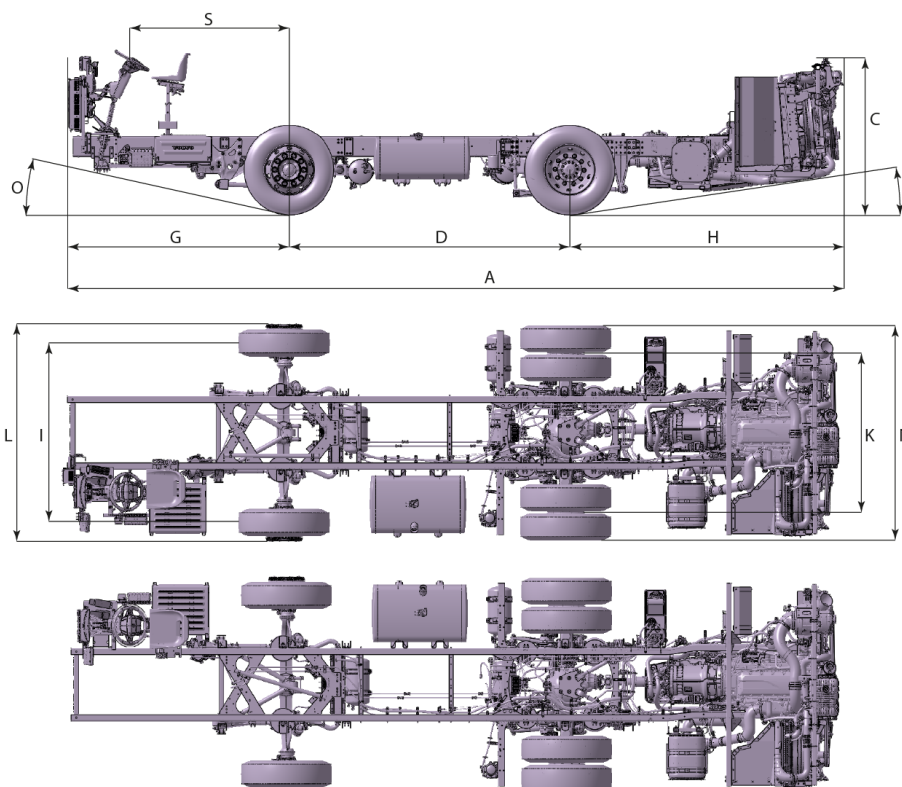


VOLVO B8R

Euro 5



Model		B8R Euro 5	
Overall dimensions			
A	Overall chassis length (mm)	SWP1820	10173-13073
		SWP1650	10003-12903
C	Frame height at rear structure (mm)*		1786
D	Transport wheelbase (mm)		3250
	Approved wheelbase (mm)		4500-7400
G	Front overhang (mm)	SWP1820	2500
		SWP1650	2330
H	Rear overhang (mm)		3193
S	Steering wheel position (mm)	SWP1820	1818
		SWP1650	1648
I	Track, front (mm)*		2049
K	Track, rear (mm)*		1834
L	Overall width front wheels or housing (mm)*		2364
N	Overall width rear wheels (mm)*		2436
O	Approach angle (°) (N-steering)		7.6
P	Departure angle (°)		7.7
*) Track width, overall width and frame height are measured with tyres: and steel rims:			295/80R22.5 8.25"x22.5"

VOLVO B8R

Euro 5

Model	B8R Euro 5
--------------	-------------------

Weights	
Permitted front axle load (kg)	7500
Permitted drive axle load (kg)	12000
Permitted GVW (kg)	19500

Engine	
Emission standard	Euro 5
Engine system	SCR, Common rail
Displacement (dm ³)	7.7
Cylinders/arrangement	6/in-line
Engine rating	
Output (hp)	250
Output ISO 1585 (kW)	184
Torque ISO 1585 (Nm)	950
at engine speed (rpm)	1000-1800
Engine rating	
Output (hp)	330
Output ISO 1585 (kW)	243
Torque ISO 1585 (Nm)	1200
at engine speed (rpm)	1200-1600

Fuel tanks	
Diesel (L)	2x150, 300, 400, 450, 590
Transport (L)	50
AdBlue (L)	50

Transmission and axles	
Gearboxes	ZF 6AP1200C ZF ST1306B VOITH D854-6
Front axle	VOLVO RFS
Rear Axle	VOLVO RS1228C
Differential lock	Optional

Suspensions and steering	
Air bellows, front	2
Air bellows, drive	4
Kneeling	Optional
Max wheel angle	52°±1°
Power steering	Hydraulic power steering
Steering wheel position	LHD/RHD

VOLVO B8R

Euro 5

Important information

For variants concerning wheelbase, steering wheel diameter and permitted front axle load, see Type approval according to ECE R79 and ECE R13.

Exhaust system

- One box muffler design
- Selective Catalytic Reduction (SCR)

Cooling system

- Fluid cooled
- Pressurized cooling system

Tyres and rims

- 10-stud steel or aluminium wheels
- Dual driving axle wheels
- Spare wheel is optional

Rims	Tyres
8.25"x22.5"	295/80R22.5"
7.5"x22.5"	275/70R22.5"

Air and brake system

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

Driver's seat and station

- Adjustable steering wheel, tilt
- Instrument cluster:
 - speedometer
 - rev counter
 - 6.5" display
 - fuel gauge
 - coolant temperature
 - brakes
 - turbo and oil pressure
 - indicators
 - warning lamps
- Emergency switch
- Tachograph
- Radio switches in steering wheel
- Data logging
- Volvo Alcolock
- External Temperature Meter
- Fuel Economy Meter
- Engine controls in engine compartment to enable engine operation from the rear of vehicle

Electrical system

- Bus Electrical Architecture, BEA2+
- Electronic data bus system, Multiplex 3
- Ampere meter
- Fuel consumption meter
- Outdoor/Indoor temperature meter
- Number of batteries: 2
- Voltage: 24 V
- Battery capacity: 165 Ah, 170 Ah, 180 Ah, 225 Ah
- Alternators max output: 2x110 A



Volvo Bus Corporation

volvobuses.com