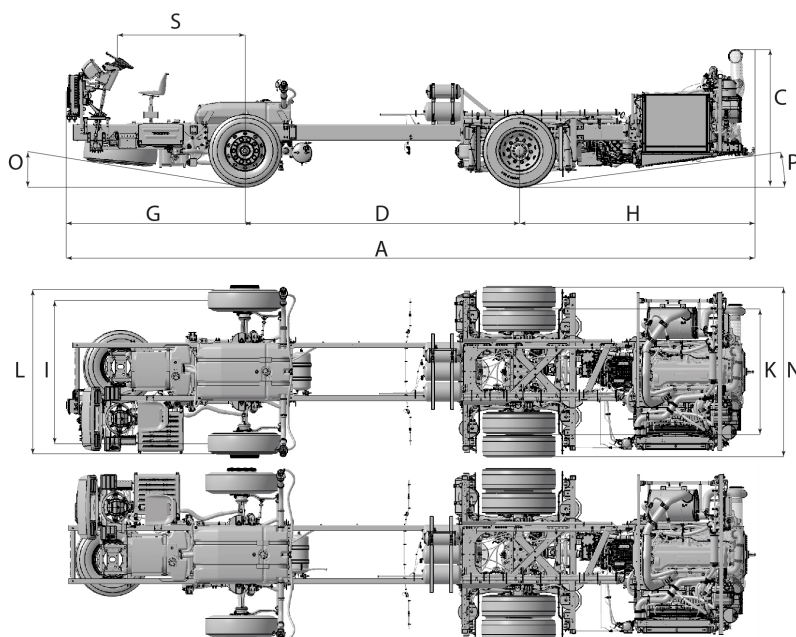


## VOLVO B11R, 4X2

Euro 3



Model		B11R, 4x2, RFS		B11R, 4x2, IFS	
<b>Overall dimensions</b>					
A	Overall length (mm)	C steering	10400-13100		10299-12499
		F steering	20750-13450		10649-12849
		FX steering	10980-13680		10879-13079
B	Bogie (mm)		n/a		n/a
C	Frame height at rear structure (mm)*		1803		1803
D	Transport wheelbase (mm)		4000		4000
	Approved wheelbase (mm)		5000-7700		5000-7700
G	Front overhang	C steering	2150		2049
		F steering	2500		2399
		FX steering	2730		2629
H	Rear overhang (mm)		3250		3250
	Optional rear overhang (mm)		n/a		n/a
S	Steering wheel position (mm)	C steering	1467		1467
		F steering	1817		1817
		FX steering	2047		2047
I	Track, front (mm)*		2055		2055
K	Track, rear (mm)*		1842		1842
L	Overall width front wheels (mm)*		2487		2487
N	Overall width rear wheel (mm)*		2471		2471
O	Approach angle (°)		8.4		12.2
P	Departure angle (°)		7.3		7.4
	Departure angle for optional rear overhang (°)		n/a		n/s
*) Track width, overall width and frame height are measured with tyres: ans steel rims:			295/80R22.5" 8.25" x 22.5"		295/80R22.5" 8.25" x 22.5"

# VOLVO B11R, 4X2

Euro 3

Model	B11R, 4x2, RFS	B11R, 4x2, IFS
<b>Weights</b>		
Permitted front axle load (kg)	7500	7500
Permitted drive axle load (kg)	12000	12000
Bogie axle load (kg)	n/a	n/a
Permitted tag axle load (kg)	n/a	n/a
Permitted GVW (kg)	19000	19000
<b>Engine</b>		
Emission standard	D11A Euro 3	D11A Euro 3
Engine system	Common rail	Common rail
Displacement (dm <sup>3</sup> )	10.8	10.8
Cylinders/arrangement	6/in-line	6/in-line
<b>Engine rating</b>		
<b>D11A370</b>		
Output (hp)	370	370
Output ISO 1585 (kW)	273	273
Torque ISO 1585 (Nm)	1780	1780
at engine speed (rpm)	1150	1150
<b>D11A430</b>		
Output (hp)	430	430
Output ISO 1585 (kW)	315	315
Torque ISO 1585 (Nm)	1980	1980
at engine speed (rpm)	1150	1150
<b>Fuel tanks</b>		
Diesel (L)	2 x 150, 3 x 150, 400, 480, 560, 580, 600, 700, 720	2 x 150, 3 x 150, 400, 480, 560, 580, 600, 700, 720
Transport (L)	50	50
<b>Transmission and axles</b>		
Gearboxes	Volvo I-Shift AT2412G Volvo I-Shift AT2612G	Volvo I-Shift AT2412G Volvo I-Shift AT2612G
Front axle	Volvo RFS	Volvo RFS
Rear axle	Volvo ES1228C	Volvo ES1228C
Tag axle	n/a	n/a
Differential lock	Optional	Optional
<b>Suspension and steering</b>		
Air bellows, front	2	2
Air bellows, rear	4	4
Air bellows, tag	n/a	n/a
Kneeling	Optional	Optional
Max wheel angle; with tyres 295/80R22.5	52° ± 1°	53° ± 1°
Rear suspension	RAD-GR RAD-A4	RAD-GR RAD-A4
Power steering	Hydraulic power steering	Hydraulic power steering
Steering wheel position	LHD/RHD	LHD/RHD

## 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

## Cooling system

- Fluid cooled
- Pressurized cooling system

# VOLVO B11R, 4X2

Euro 3

## Tyres and rims

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

Rims	Tyres
8.25" x 22.5"	295/80 R22.5"
9" x 22.5"	315/80 R22.5"

## Air and brake system

- Volvo disc brakes
- Electronic Braking System (EBS 5)
- Anti-lock Braking System (ABS)
- Acceleration Slip Regulation (ASR)
- Brake blending
- 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
- Pneumatic system, easily filled from external circuit

## Driver's seat and station

- Volvo dashboard
- Adjustable steering wheel, height and tilt
- Instrument cluster:
  - speedometer
  - rev counter
  - 6.5" display
  - fuel gauge
  - coolant temperature
  - brakes
  - turbo and oil pressure
  - indicators
  - warning lamps
- Emergency switch
- Tachograph
- Climate control unit
- Audio control panel
- 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

- Voltage: 24V
- Number of batteries: 2 x 12 V
- Electronic data bus system, Multiplex 2
- Battery capacity: 165, 170, 225 Ah
- Alternators max output: 2 x 120 A, 2 x 150 A