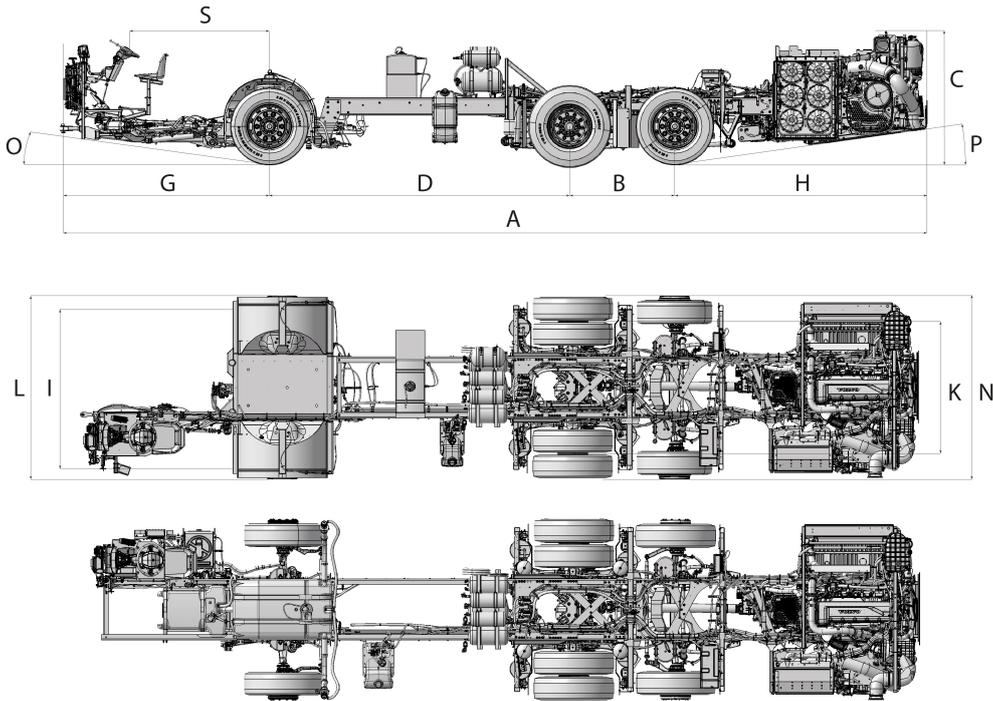


## VOLVO B13R LOW ENTRY

Euro 6



Model		B13RLE, 6 x 2	
<b>Overall dimensions</b>			
A	Overall chassis length	SWP1920 (mm)	11470
		SWP2020 (mm)	11570
B	Bogie (mm)		1400
C	Frame height at rear structure (mm)*		1618
D	Transport wheelbase (mm)		4000
	Approved wheelbase (mm)		5000-7400
G	Front overhang (mm)		
	LHD	SWP1920 (mm)	2712
	RHD	SWP2020 (mm)	2812
H	Rear overhang (mm)		3340
	Optional rear overhang (mm)		3490
S	Steering wheel position (mm)	SWP1920 (mm)	1920
		SWP2020 (mm)	2020
I	Track, front (mm)*		2447
K	Track, rear (mm)*		1836
L	Overall width front wheels or housing*		2097
N	Overall width rear wheels (mm)*		2494

# VOLVO B13R LOW ENTRY

Euro 6

Model		B13RLE, 6 x 2
O	Approach angle (°) (SWP2020)	7.2
P	Departure angle (°)	7.0
	Departure angle for optional rear overhang (°)	n/a
* ) Track width, overall width and frame height are measured with tyres: and steel rims		315/70R22.5" 9.00"x22.5"

Weights	
Permitted front axle load (kg)	7500
Permitted drive axle load (kg)	11500
Bogie axle load (kg)	19000
Permitted tag axle load (kg)	7500
Permitted GVW (kg)	26500

Engine		D13K
Emission standard		Euro 6
Engine system		SCR, Common rail
Displacement (dm <sup>3</sup> )		13
Cylinders/arrangement		6/in-line
Engine rating		D13K380
Output (hp)		380
Output ISO 1585 (kW); at engine speed 1700-1800 r/m		280
Torque ISO 1585 (Nm); at engine speed 830-1400 rpm		1800
Engine rating		D13K420
Output (hp) (±0-4%)		420
Output ISO 1585 (kW); at engine speed 1400-1700 r/m		310
Torque ISO 1585 (Nm); at engine speed 900-1400 rpm		2100
Engine rating		D13K460
Output (hp) (±0-4%)		460
Output ISO 1585 (kW); at engine speed 1400-1700 r/m		340
Torque ISO 1585 (Nm); at engine speed 950-1400 r/m		2300
Engine rating		D13K500
Output (hp) (±0-4%)		500
Output ISO 1585 (kW); at engine speed 1400-1700 r/m		370
Torque ISO 1585 (Nm); at engine speed 1000-1400 r/m		2500

Fuel tanks	
Diesel (L)	N/A
Transport (L)	50
AdBlue (L)	64 or 90

Transmission and axles	
Gearboxes	Volvo I-Shift AT2612G ZF 6AP2020B (only 380 hp)
Front axle	Volvo RFS-L
Rear axle	Volvo RS1228C / RS1328
Tag axle	Hydraulic steered / Fixed
Differential lock	Optional

Suspension and steering	
Air bellows, front	2
Air bellows, drive	4
Air bellows, tag	2
Kneeling	Optional
Max wheel angle	52° with tyres 315/70R22.5"

# VOLVO B13R LOW ENTRY

Euro 6

Model	B13RLE, 6 x 2
Power steering	Hydraulic steering
Steering wheel position	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
- 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 E of emission regulations
- Engine certified for usage with diesel according to EN 590 and hydrotreated vegetable oil (HVO according to standard EN 15940)
- Biodiesel available for D13K460 and D13K500

## Cooling system

- Split configuration for heat exchangers with electrical fans to reach better fuel consumption, lower engine compartment temperature and better access for engine service.
- No coolant filter.
- Coolant level warning in instrument cluster.

## Tyres and rims

Steel or aluminium (only 8.25" x 22.5") rims available.

Rims	Tyres
7.50" x 22.5"	275/70 R22.5"
8.25" x 22.5"	295/80 R22.5"
Spare wheel	Optional

## Air and brake system

- Volvo disc brakes
- Electronic Stability Control (ESC)
- 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, can easily be filled from external circuit

Cut-in pressure	9.5 bar
Cut-out pressure	10.8 bar

## Driver's station

Cluster and controls transit mounted. Also available with Volvo dashboard:

- Dashboard moves with the steering column in height and tilt
- 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
- Radio/phone switches in steering wheel
- Engine controls in engine compartment to enable engine operation from the rear of vehicle
- Adaptive Cruise Control

## Electrical system

Automatic shut off of main switch at low voltage level

### Battery capacity

Consumer batteries	2 x 12 V
Consumer batteries	105 Ah

### Number of batteries

Start batteries	2 x 12 V
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### Alternators max output

3 x 150 A. Option: 4 x 150 A

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