



Volvo Buses. Driving Quality of Life

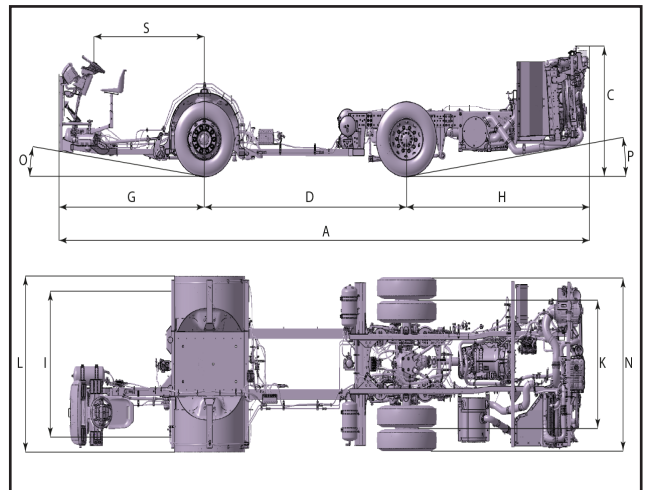
# VOLVO B8R LOW ENTRY

Made to just keep running



# VOLVO B8R LOW ENTRY SPECIFICATION

Overall Dimensions			
A	Overall Chassis Length	SWP2020	10273-12573
		SWP1920	10173-12473
		SWP1500	9758-12058
C	Frame Height at Rear Structure		1754
D	Transport Wheelbase		3500
	Approved Wheelbase		4500-6800
G	Front Overhang	SWP2020	2600
		SWP1920	2500
		SWP1500	2085
H	Rear Overhang		3193
S	Steering Wheel Position	SWP2020	2018
		SWP1920	1918
		SWP1500	1503
I	Front Track		2068
K	Rear Track		1834
L	Overall Width Front Wheels or Housing		2500
N	Overall width rear wheels		2436
O	Approach angle(°) (N-Steering)		7.9
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"



\*All Measurements in mm  
\*All Weights in Kg

Final design to be determined by customer

Weights	
Permitted front axle load	7500
Permitted drive axle load	12000
Permitted GVW	19000

Fuel tanks	
Diesel (L)	220L, 220R, 310
Transport (L)	50

<b>Engine</b>	D8A330
Emission standard	Euro 3
Engine system	Common rail
Displacement (dm <sup>3</sup> )	7.7
Cylinders/arrangement	6/in-line
Output (hp)	330
Output ISO 1585 (kW)	243
Torque ISO 1585 (Nm)	1200
at engine speed (rpm)	1200-1650

Transmission and axles	
Gearboxes	ZF 6AP1200C
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	53°±1°
Power steering	Hydraulic power steering
Steering wheel position	LHD/RHD

## 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: 24V
- Battery Capacity: 165Ah, 170Ah, 180Ah, 225Ah
- Alternator Max Output: 2x110A

## 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

## Air and Brake System

- Collision Warning with Emergency Brake (CW-EB)
- 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, easily filled from external circuit

