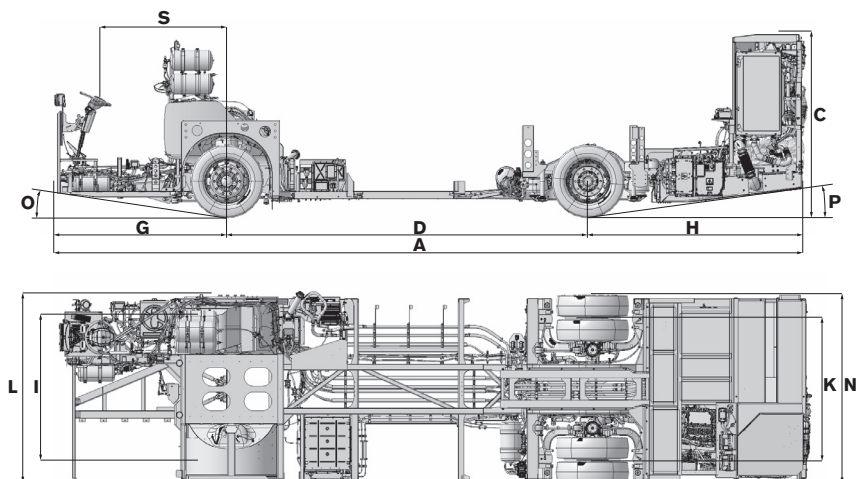


VOLVO B5L S-CHARGE

EU6



Model		B5LH
Overall dimensions		
A	Overall chassis length	9960
C	Frame height at rear structure (mm)	2565
D	Wheelbase (mm)	4820
G	Front overhang	2265
H	Rear overhang (mm)	2855
S	Steering wheel position	SWP1680 (mm)
I	Track, front (mm)	2107
K	Track, rear (mm)	1885
L	Overall width front wheels or housing (mm)	2450
N	Overall width rear wheels (mm)	2495
O	Approach angle (°)	7.0
P	Departure angle (°)	7.0
	Track width, overall width and frame height with tyres:	275/70R22.5"
	and rims:	steel rim 7.5"x22.5"
Weights		
	Permitted front axle load (kg)	7100
	Permitted drive axle load (kg)	12000
	Permitted GVW (kg)	19000
Engine		D5K240
	Emission standard	Euro VI
	Engine system	EGR, Common rail
	Displacement (dm ³)	5.1
	Cylinders/arrangement	4/in-line
	Output (hp)	240
	Output ISO 1585 (kW)	177
	Torque ISO 1585 (N/m)	918
	at engine speed (rpm)	1200-1600
Electrical motor		
	Output, max (kW)	120
	Torque ISO 1585, max (Nm)	800
	Output, continuous (kW)	30
	Torque ISO 1585, continuous (Nm)	400
	Max brake torque (Nm)	800
	Continuous brake torque (Nm)	400

Table cont. page 2

VOLVO B5L S-CHARGE

EU6

Model	B5LH
Fuel tanks	
Diesel (L)	205, 250
AdBlue (L)	30
Transmission and axles	
Gearbox	Volvo I-shift AT2412E
Front axle	Volvo RFS-L
Rear Axle	ZF AV132
Differential lock	No
Suspension and steering	
Air bellows, front	2
Air bellows, drive	4
Kneeling	Optional
Max wheel angle	53°
Power steering	Electric driven - hydraulic steering
Steering wheel side	RHD

Important information

For variants concerning wheelbase, steering wheel diameter and permitted front axle load see Type approval acc. to ECE R13 and R79. Please note that manoeuvrability acc. to EC/97/27 needs to be considered for completed vehicles.

Energy storage system

- Lithium-Ion battery
- Water cooled
- Ramp heating with 230 V

Voltage600 V
Capacity1.2 kWh

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

Cooling system

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

Tyres & Rims

Steel or aluminium rims available.

Rims	Tyres
7,50"x22,5"	275/70 R22,5"
Spare wheel	Optional

VOLVO B5L S-CHARGE

EU6

Air and Brake system

- Volvo disc brakes
- 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
- Electric air compressor replace hydraulic air compressor to increase fuel efficiency

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

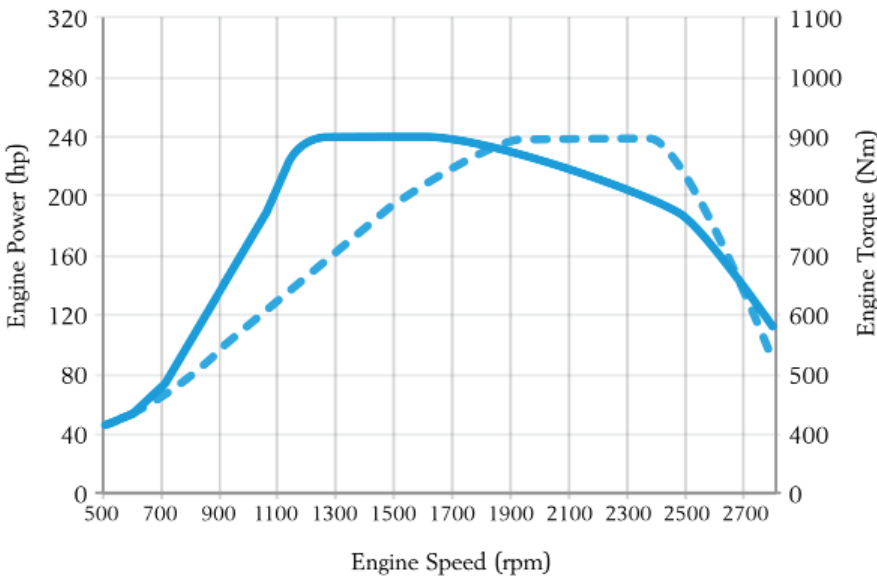
Driver's station

- Cluster and controls transport mounted
Also available with Volvo dashboard:
- Dashboard moves with the steering column in height and tilt
 - Available in EBSF and VDV version with multistalk for wiper and direction indicator on left side of the steering wheel
 - Instrument cluster:
 - speedometer
 - rev counter
 - 6.5" display
 - fuel gauge
 - coolant temperature
 - brakes
 - turbo and oil pressure
 - indicators
 - warning lamps
 - Tachograph
 - Data logging
 - Alcolock
 - 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

Electrical system

- I-Start:
 - Dual battery system which separates batteries into two circuits
 - Optimized start batteries to increase engine start capability
 - Optimized consumer batteries for longer lifetime
 - Automatic shut off of main switch at low voltage level
- Number of batteries 2x12 V Start Batteries
2x12 V Consumer Batteries
Battery capacity, consumer batteries 105 Ah

Torque and Power curves D5K Eu6



V O L V O