



Specification

VOLVO B8RLE SMART BUS

Chassis

Configuration	B8RLE 4×2 Euro 6, Low Entry, LHD
Engine	350 hp Euro 6 diesel engine certified for HVO and biofuel Torque 1428 Nm @ 1200–1600 rpm
Transmission	ZF Ecolife II 6AP1420B
Suspension	2 front and 4 rear air bellows with side kneeling ability
Wheels	295/80 R22.5"
Brakes	Volvo's 5th generation of electronically controlled disk brakes (EBS-5) Anti-lock Braking System (ABS) Electronic Stability Control (ESC) Acceleration Slip Regulation (ASR) Dual Retarder Control Hill Start Aid

Advanced Driver Assistance Systems

Description	Volvo Active Safety System
Front Short Range Assist	Updated front radar and camera Detection of potential risks in front of the bus (radar detection and camera confirmation) Information and warning in Head up Alert
Side Collision Avoidance Support	New side radars on both sides Detection of Vulnerable Road users on both driver and passenger side Coverage: 4.25 m wide; 7 m forwards and 30 m backwards (measured from the front of the bus)
Lane Change Support (LCS)	Combined feature with BSIS Supports driver during lane change maneuvers Detection of vehicles on both driver and passenger side
Driver Alert Support (DAS)	Two warning levels: Minor and major warnings
Tire Pressure Monitoring System	Three components (ECU, Receiver and Sensor); sensor positioned inside wheelrim; warning in cluster
New digital driver cluster	Fresh new look with digital displays, widgets, halo lights for warnings, steering wheel buttons, longer steering columns

Bus body

Bus body	EcoRange aluminum body designed with aluminum alloy extrusions. Cold bolted joints for flexibility and strength.
Seats and passenger capacity	High backrest seats – 45 Total capacity: 80 passengers
Air-Conditioning	Maximum cooling capacity 47 kW
Dimensions	Length: 12.5 m Width: 2.55 m Height (wo/w AC): 3 m/3.3 m
Driver's seat	Adjustable pneumatic driver seat with 3-point seat belt
Wheelchair ramp	Equipped and wheelchair space within vehicle
Other accessories	USB sockets for all rows and pram areas; first aid kit, stop request buttons