



Volvo Buses. Driving quality of life

VOLVO B5LHC

Listen to your city



Model	Volvo B5LHC 2-axle low floor double deck hybrid citybus.
Body specification	Wright Bus.
Hybrid driveline	Volvo parallel hybrid system. Traction power supplied by either the diesel engine or electric motor working independently or together. Power for the electric motor is provided by the 600V Energy Storage System. Driveline uses stop/start technology.
Engine	Volvo parallel hybrid system with the Volvo D5K, 5 litre Euro 6 engine rated at 240hp with 150kw electric motor.
Transmission	12 speed I-shift automatic transmission.
Energy storage system	High capacity 19kWh lithium-ion battery which is water cooled using an active electronic system. The battery is optimized to meet the demands of modern urban transport, fast charging at end terminus's.
Charging system	The Volvo Conductive opportunity charging system features roof mounted charging rails centrally mounted above the front axle. Pantograph mounted to a charging station. Fully automatic fast charging sequence.
Rear axle	Portal, double reduction axle, with optimised ratio.
Brakes	Volvo electronically controlled disc brakes (EBS). Brake Blending function (all). The electric motor functions as a retarder and recovers braking energy.
Steering	Hydraulic steering, electrically driven power steering pump.
Suspension	Electronically controlled air suspension with kneeling function.
Electrical	Dual battery system which separates batteries into two circuits. Optimised start batteries to increase engine start capability. Optimised consumer batteries for longer lifetime. Automatic shut off of main switch at low voltage level.
Fuel system	Diesel engine
Tyres & Wheels	7.5 x 22.5" wheels with 275/70R22.5 tyres.

