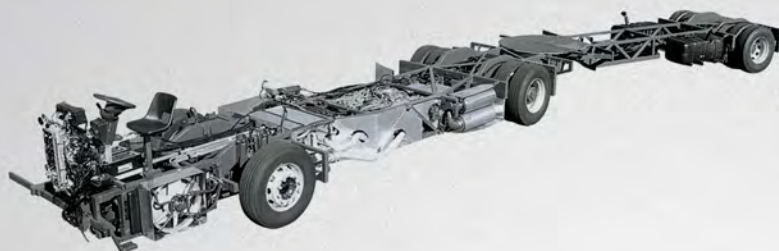


VOLVO B340M ARTICULATED AND BIARTICULATED



Architecture BEA2
(Bus Electrical Architecture)

Fault diagnosis
On-board Computer

Electronic Controlled
Suspension

Volvo DH12D 340 cv
Electronic Engine

The most modern
gearboxes of the market

Volvo EBS5
Disc Brake System
EBS (Electronic Braking System)
with ABS and traction control

DIMENSIONS (mm)

TIRES 295/80R22.5

LENGTHS

Articulated

Biarticulated

	Articulated	Biarticulated
Front overhang	2,379	2,379
Wheelbase	5,500/5,850/6,200	5,500/5,850/6,200
Distance between drive axle and turntable centre	2,150/2,940	2,150/2,940
Distance between turntable centre and trailer axle	4,500/5,000/5,500	3,800/4,500/5,000/5,500
Distance between 1st trailer axle and turntable centre	-	2,150
Distance between turntable centre and 2nd trailer axle	-	4,500/5,000
Rear overhang	860	860
Total chassis length	17,879 maximum	25,029 maximum

WIDTHS

Total width (front wheels)	2,471
Total width (rear wheels)	2,465
Front gauge	2,035
Rear gauge	1,833

VOLVO B340M ARTICULATED E BIARTICULATED

VOLVO BUS. DRIVING QUALITY OF LIFE



ENGINE

Volvo DH12D 12.1dm³ horizontal diesel engine, positioned in the wheelbase, fully electronic, fuel injection through independent unit injectors, 6-cylinder in-line, 4 valves per cylinder, camshaft in the cylinder head, turbocharged and intercooler, drive-by-wire electronic accelerator, fault diagnosis system, overheating self-protection. Emissions level in compliance with Euro III Standard. Fire sensors in the engine compartment.

DH12D 340 Engine	Power	Torque
	250 kW (340 cv)	1700 Nm (173 kgfm)

Net power output and torque according to NBR 5494, ISO 1585 standards.

TRANSMISSION

ECOLIFE 6AP1700B Gearbox

Automatic drive, 6-fully synchronized gears with torque converter and an incorporated retarder. Neutral during stops (AIS System).

Ratio	1st gear: 7.09:1
	6th gear: 0.61:1

VOITH DIWA 864.5 Gearbox

Automatic drive, 4-fully synchronized gears with torque converter and an incorporated retarder. Neutral during stops (ANS System).

Ratio	1st gear: 5.05:1
	4th gear: 0.73:1

DRIVE AXLE

RS 1370 HV axle. Hub reduction, hypoid crown wheel and pinion. Axle transmission ratio 7.21:1. Wheel bearings maintenance free. Speed limited at 60km/h for Biarticulated

STEERING

ZF8098, hydraulic power steering, ball and nut type. 450 mm diameter steering wheel, angle and height adjustable.

FRONT AXLE

Rigid axle in drop forged special steel, heat treated with "L" section. Wheel bearings maintenance free.

SUSPENSION

Fully air electronically controlled with bellows type chamber, controlled by level sensors. Two air bellows in the front axle and four air bellows in the other axles. Dual action shock absorbers. Anti-roll bars and reaction rods. Level regulation for maneuvers.

BRAKE SYSTEM

Volvo disc brake system in all axles (EBS5 – Electronic Braking System). EBS5 main functionalities:

- ABS (Anti-lock Braking System – anti-slip control)
- ASR (Acceleration Slip Regulation – traction control)
- Brake pad wear sensor
- Door Brake System
- Smart braking (retarder + service brake simultaneously)

ELECTRIC EQUIPMENT

Equipped with Volvo BEA2 (Bus Electronic Architecture) system, Multiplex 2 electronic system – data transmission digital system with bus system control, monitoring and coordination of all devices controlled by electronic units. Multiplex 2 also provides fault diagnosis and data on the vehicle operation. Provided with external light functions integrated to chassis frame Multiplex.

No. of batteries	2
Voltage	24 V
Batteries	225 Ah
Alternador	3x 110 A

DASHBOARD

On-board computer, tachometer, brake air pressure gauge, dashboard type of lighting and intensity control, speedometer, daily electronic tacograph (two drivers), parking brake release, fuel level gauge, coolant temperature and turbocharger pressure gauge.

ONBOARD COMPUTER

Available functions: Fault diagnostics, Speed limiter (information), Engine revolution limiter (information), Voltmeter, Clock and alarm, Average speed, Trip distance and time, Fuel consumption gauge, Fleet identification, Vehicle data log, Engine oil temperature.

WARNING LIGHTS

Lights for low engine oil pressure, low service brake air pressure, cooling system overheating, high temperature warning in the engine compartment, alternator fault, ABS fault, engine coolant low level, clogged air filter, engine starting pre-heater (when installed), open doors, excessive angle on turntable warning during reverse gear, high voltage, hydraulic oil level, ECS failure, ECS low air pressure, low brake performance, traction

AXLE CAPACITIES (kgf)

	Articulated	Biarticulated
Front Axle	7,500	7,500
Drive Axle	12,000	12,000
1st trailer axle	10,500	10,500
2nd trailer axle	-	10,500
Total Axle Load	30,000	40,500

TIRES AND WHEELS

Tires	Wheels
295/80R22.5	Steel 8.25x22.5

CAPACITIES*

Differential carrier oil	29 litres
Steering gear oil	6 litres
Ecolife gearbox oil	42 litres
VOITH 864.5 gearbox oil	29 litres
Fuel tanks	2x270 litres
Engine oil	40 litres

*Approximated values

OPTIONAL FEATURES

- Fleet Management
- Central Driver Position
- 7-Day Tacograph
- Fuel tank with right-hand side filling
- Fuel tank with left-hand side filling
- Tools
- Spare Tire and Wheel
- Muffler and exhaust outlet on the right-hand side
- Exhaust outlet on the roof

*Merely illustrative photo. Volvo do Brasil reserves the right to modify the products technical specifications without prior notice.