

PRESS RELEASE

VDL BOVA Lexio: low entrance, high comfort

One of the most eye-catching details that distinguishes VDL BOVA's new intercity model from its rivals is its relatively low entrance step.

With a step height of 350 mm and a floor height of 860 mm, this bus offers convenient access. The entrance and floor heights at the middle door are identical to those at the front, thus promoting the swift flow of passengers and reducing idling times at stops to an absolute minimum.

Furthermore, this floor height offers an ideal compromise between a comfortable entrance step and a lot of luggage space; thanks to the ingenious design of the space beneath the floor, the LD 123 offers luggage space of no less than 5.4 m³ and the LD 130 an capacious 6.4 m³.

VDL Bus International platform

The LD 123 model of the new VDL BOVA Lexio intercity has a total length of 12,330 mm, a breadth of 2,535 mm and a height of 3,346 mm. Its wheelbase measures 6,210 mm, and rear and front body 3,385 mm and 2,735 mm respectively. The bus has a maximum total weight of 18,000 kg.

The LD 130 version of the Lexio is 13,060 mm long and has a 6,940 mm wheelbase.

The bus is based on VDL Bus International's SB 4000+ PF product platform for scheduled and chartered service buses. This offers exceptionally high quality and maximum versatility into the bargain, as well as top grade safety and excellent environmental standards. This platform comes in the form of two modules fitted beneath the bus; the front axle has a load-bearing capacity of 7,100 kg, and the rear one 11,500 kg.

The central entrance step has a height of just 350 mm, measured from the road surface, when the vehicle is fitted with 295/80 tyres. Its air suspension, however, is equipped with a standard 'kneel function'; which can be used to lower the step by a further 50 mm.

Smooth transition

The design of the chassis enables a smooth transition of the floor height from the front to rear of the bus, as it features minimal gradients and lacks any obstacles. The central aisle is 595 mm broad, thanks to the ZF independent front wheel suspension.

The chassis is integrated in a carefully welded, stainless steel, box-section construction, which features entirely level floor, aisle and trestle surfaces. The height difference between the aisle and trestle measures 200 mm.

This means there is plenty of room to select an interior layout that complies exactly with the transport company's wishes.

Durable materials

With a view to ensuring a lengthy useful life span and a favourable residual value, durable and corrosion resistant materials are used in the Lexio's construction.

This is entirely in keeping with the cast-iron reputation that VDL BOVA has acquired in this field over the past few years.

A standardised electronics system checks all electrically operated components, guaranteeing high reliability and maximum functionality. The driver has access to the latest data on the bus' performance, and receives a warning message whenever anything out of the ordinary happens. The mechanic in the workshop can also establish precisely what sorts of faults have occurred.

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VDL Bus & Coach bv
Marleen van Zeeland
Communications
Phone +31 (0)40 292 5000
m.v.zeeland@vdl.nl

VDL BOVA bv
Rik Pronk
Managing Director
Phone +31 (0)40 208 4611
info@vdlbova.nl