

ALLIANCE - B96

# TECHNICAL SPECIFICATION

LOW FLOOR CITY / INTERCITY BUS



## ALLIANCE B96, SOPHISTICATED BUS FOR PUBLIC TRANSPORT

Ease and comfort for both passengers and driver, plus suitability for practically every infrastructure, even with considerable differences in the number of passengers carried; that's the **B96** in a nutshell.

Styling, ergonomics, electronics and efficiency, these are all major priorities for Den Oudsten Buses. Just as environmentally acceptable production is, and we don't just mean the very favourable emission figures.

We are proud to be able to say: 'Made in Woerden'.



**DEN OUDSTEN  
BUSSEN**

# ALLIANCE - B96

## TECHNICAL SPECIFICATION

### 1. TECHNICAL SPECIFICATION

#### Dimensions

Vehicle length	12,000 mm
Wheelbase	5,950 mm
Front overhang	2,850 mm
Rear overhang	3,200 mm
Overall roof height	approx. 2,950 mm
Turning circle	21,000 mm
Width	2,500 mm
Angle of approach and departure	7°
Width of door openings 1 - 2	1,350 mm
Width of door opening 3	(option) 1,200 mm
Floor height, entrance/exit doors 1+2	340 mm
Floor height, exit door 3	(option) 340/540 mm

#### Capacity

Number of seats (as specified by customer) max.	42+1
Number of standing places with max. number of seats	52
Max. number of seats and standing places	94 + driver

#### Weight

Total weight, unladen vehicle (base version)	approx. 10,300 kg
Front axle load	6,300 kg
Rear axle load	11,500 kg

### 2. CONSTRUCTION INTEGRAL - Underframe

#### Engine

Horizontal rear-mounted	DAF GS 160 M
	160 kW at 2000 min <sup>-1</sup> Euro-2
Option:	DAF GG 170 LPI
	170 kW at 2000 min <sup>-1</sup> Euro-2
	DAF GS 200 M
	200 kW at 2300 min <sup>-1</sup> Euro-2
Option:	MAN D 2865 LUH
	191 kW at 2400 min <sup>-1</sup> Euro-2

#### Gearbox

Automatic gearbox with integrated retarder	ZF HP 500 EST 18 E
Option:	VOITH D 854-3

#### Axles

Front axle	DAF 154 N rigid front axle
Rear axle	ZF drop-centre axle
Option:	Rockwell rear axle

#### Tyres

Tyres	Goodyear 275/70 R 22.5
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#### Fuel tank

Capacity	300 l
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### 3. EXTERIOR OF VEHICLE

#### Exterior

- Polyester roof, provided with 2 roof hatches (basic)
- Side wall panelling polyester panels, bonded
- Skirt panelling in aluminium
- Front and rear sections in GRP
- Sectioned bumpers in plastic, middle section of rear bumper steel

#### Glazing

- Windscreen of double-curvature laminated glass
- Driver's window, single slider
- Side windows bonded, safety glass, single glazing
- Door 1 with heated window glass

#### Doors

- In or out swinging
- Electro or pneumatic drive
- Free passage doors 1 and 2: 1,200 mm
- Free passage door 3: 1.050 mm (option)

#### Entry / exit aids (option)

- Provision at door 2 for extendible wheelchair ramp
- Kneeling device front right-hand side
- Provision at door 1 for wheelchair ramp

### 4. INTERIOR EQUIPMENT

#### Floor

- Floor consisting of plywood with sound-deadening intermediate layer

#### Floor covering

- Provided with slip protection, make Altro
- Floor hatches where necessary
- Insulated polyester wheelboxes

#### Interior lighting

- Fluorescent light fittings in roof

#### Platform

- Standing area opposite middle door

#### Driver's seat

- Air sprung. Make specified by customer

#### Seats

- Seats with variable layout, cantilevered
- Make Vogel, system 600, with plastic shells
- Moquette upholstery
- (Option: seats as specified by customer)

### 5. HEATING/VENTILATION

- Complete pre-heating system
- Make Webasto DW 230

#### Driver's compartment

- Heating/ventilation system in driver's compartment
- Fresh air intake at roof level
- Entire system fitted with a thermostat valve
- Air-condition (option)

#### Passenger area

- Interior heating/ventilation by units located under seats and in roof
- Fully automatic control of system
- Air-condition (option)

### 6. ELECTRICAL SYSTEM

- Electrical system: 24V
- Batteries: 2 x 12V - 180 A
- Each circuit with separate fuses
- Electrical panel on right below dashboard

### 7. ROUTE AND DESTINATION EQUIPMENT

- Provision for installation front, side and rear

### 8. COMPRESSED AIR SYSTEM

- Workshop connection front right-hand side at entrance door
- Two pressure gauges in the driver's compartment
- Low-pressure brake system with warning light and buzzer

### 9. VEHICLE SYSTEMS

- Bosch electronically controlled air suspension ELF
- Bosch anti-locking system ABS (option)
- Bosch wheelspin-control system ASR (option)
- Bosch electronic engine control EMS

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