



THE CONECTO.

Technical data and equipment at
a glance.

Mercedes-Benz

The standard for buses.



OVERVIEW OF THE CONECTO.

Conecto



Length [mm]: 12,134
Turning circle [mm]: 21,542

Height [mm]: 3,095
Width [mm]: 2,550

Conecto G



Length [mm]: 18,124
Turning circle [mm]: 22,878

Height [mm]: 3,095
Width [mm]: 2,550

TECHNICAL DATA AND EQUIPMENT AT A GLANCE.

	Conecto	Conecto G
Dimensions		
Length [mm]	12,134	18,124
Width [mm]	2,550	2,550
Height incl. air-conditioning system [mm]	3,120	3,120
Height incl. optional equipment	3,300	3,350
Height incl. rear roof fans [mm]	3,095	3,095
Inner stand height [mm]	2,313	2,313
Parapet height (above ground) [mm]	952	952
Wheelbase front axle-drive axle [mm]	5,900	-
Wheelbase front axle-central axle [mm]	-	5,900
Wheelbase central axle-drive axle [mm]	-	5,990
Tyre size	275/70 R 22,5	275/70 R 22,5
Overhang at front [mm]	2,818	2,818
Overhang at rear [mm]	3,416	3,416
Turning circle [mm]	21,542	22,878
Turning circle BOKraft [mm]	25,000	25,000
Ring width turning circles min. [mm]	6,594	7,462
Ring width BOKraft [mm]	5,830	6,700
Ring width max. permissible according to BOKraft [mm]	7,200	7,200
Track circle minimal [mm]	17,484	19,164
Wheel impact front axle max. [°]	40,4	47,1

Swing-out dimension [mm]	720	774
Usable volume / capacity AdBlue [l]	20 / 25	22 / 27
Capacity fuel tank left / right [l]	250	300
Floor height over roadway [mm]	370	370
Pedestal height [mm]	280	280
Entry height door 1 [mm]	320	320
Entry height door 2 [mm]	320	320
Entry height door 3 [mm]	320	320
Entry height door 4 [mm]	-	320
Door opening width 1 [mm]	1,250	1,250
Door opening width 2 [mm]	1,250	1,250
Clear door width 3 [mm]	1,250	1,250
Clear door width 4 [mm]	-	1,250
Slope angle in front [°]	7	7
Slope angle rear [°]	7	7

	Conecto	Conecto G
Transmission		
Engine	Mercedes-Benz OM 936	Mercedes-Benz OM 470
Engine type	6-cylinder in-line-engine	
Output [kW]	220	265
Max. torque [Nm]	1,200	1,700
At speed [1/min]	1.200 - 1.600	1,100
Displacement [l]	7.7	10.7
EU emissions standard	Euro 6 E	Euro VI
Hybrid system	○	-
Recuperation module	○	○
Transmission	Voith DIWA.6	Voith Diwa.6
Transmission 2*	ZF EcoLife AP	ZF EcoLife
Chassis		
Steering	power steering	
Front axle, type	ZF RL 82 EC	ZF RL 82 EC
Front axle: independent suspension, anti-roll bar	●	●
Centre axle, type	-	ZF AVN 133
Driven axle, type	ZF AV 133	ZF AV 133
Drive axle: with anti-roll bar	○	○
Raising/Lowering system	○	○
Kneeling	○	○
Articulation Turntable Controller (ATC)	-	●
Air suspension via electronic level control system (ENR)	●	●
Rough road running gear	○	○

	Conecto	Conecto G
Brakes		
Pneumatic disc brakes on all axles	●	●
Electronic Stability Programme (ESP®)	○	-
Electronically controlled braking system (EBS)	●	●
Anti-locking system (ABS)	●	●
Acceleration Slip Regulation (ASR)	○	○
Automatic bus stop brake with pull-away lock	●	●
Parking brake	●	●
Safety and driver assistance systems		
Preventive Brake Assist 2	○	○
Front Collision Guard (FCG)	-	-
Sideguard Assist 2	●	●
Electronic Stability Program (ESP®)	○	-
Reversing camera	●	●
Reversing buzzer	○	○
Extinguishing system	●	●
Traffic Sign Assist	●	●
Frontguard Assist	●	●
Attention Assist (AtAs)	●	●
MirrorCam	○	○

	Conecto	Conecto G
Profitability		
Predictive Powertrain Control (PPC)	-	-
Driver Score	-	-
Tyre Pressure Monitoring (TPM)	●	●
Air resistance	-	-
Glide (coasting)	-	-
Ranges	-	-
Transport capacity		
Number of seats – standard seating	26	40
Passenger capacity max.	101	150
Seating type City Star Basic (CSB)	●	●
Seating type City Star Eco (CSE)	○	○
Driver's seat GRAMMER Linea MSG 90.6 P, air-sprung	●	●
Wheelchair space	○	○
Weight and fuel tanks		
Capacity of fuel tank [l]	250	250
AdBlue® additive tank [l]	32	32
Gross vehicle weight [kg]	19,500	28,000
Axle loads, max. permissible front axle [kg]	7,500	7,500
Axle loads, max. permissible central axle [kg]	-	10,000
Axle loads, max. permissible drive axle [kg]	13,000	13,000

	Conecto	Conecto G
Heating, air conditioning and ventilation		
Driver's area air conditioning	☐	☐
EvoCool Basic	☐	☐
Turbo roof ventilator	☒	☒
Roof-mounted air-conditioning system with heat pump	☐	☐
Electric roof air conditioning (modular system)	☐	☐
Electric roof air conditioning system (modular system) for the driver's workstation	☐	☐
Refrigerant filling capacity [lbs/kg]	9,5 - 11,5**	11,0 - 16,5*
CO ₂ equivalent [lbs/t]	13,585 - 16,445**	15,73 - 23,585
Doors and glazing		
Number of doors	3	4
Interior swivel door	☒	☒
Ramp manual	☐	☐
Single glazed	☒	☒
Double glazed	☐	☐
Windscreen heatable	☐	☐
Lighting		
Low beam	☒	☒
High beam	☒	☒
Daytime driving lights with LED technology	☐	☐
Daytime driving lights with halogen	☒	☒
Front fog lamp	☐	☐

● Standard equipment ○ Optional equipment

* Optional equipment

** Depending of the air conditioning system variant installed: EvoCool Basic, EvoCool Comfort Plus or modular electric air conditioning system and installation of a driver's workplace air conditioning system

SAFETY.

Sideguard Assist 2

Sideguard Assist 2 is a safety assistance system that supports the driver in critical situations when turning right or turning left when visibility is possibly restricted. The system is designed to help detect moving obstacles within the system limits, and warns the driver so as to avoid critical situations or reduce the consequences of accidents when turning off or changing lanes.

Electronic Stability Program (ESP®)

The Electronic Stability Program significantly reduces the risk of skidding by selectively braking individual wheels, thus preventing loss of control of the vehicle in curves and emergency steering manoeuvres.

Acceleration Skid Control (ASR)

ASR prevents the drive wheels from spinning in two ways. On the one hand, ASR minimises wheel spinning through a measured braking intervention. On the other hand, the torque of the engine is regulated via the "electronic accelerator pedal".

Anti-lock Braking System (ABS)

No locking and reliable steering at all times – with maximum precision even in critical situations. Buses with an anti-lock braking system (ABS) are always safe on the road.

Preventive Brake Assist 2

With Preventive Brake Assist 2, Daimler Buses offers the second generation of Active Brake Assist. The system warns of collisions with moving pedestrians and cyclists as well as stationary and moving objects. In the event of a serious risk of collision, the driver is alerted by a visual and acoustic warning and partial braking is initiated automatically.

MirrorCam

The modern MirrorCam system provides a clear and full view of the road traffic. Equipped with high-resolution cameras, the driving safety is improved and the risk of accidents is minimised. The extended field of vision enables the driver to see pedestrians, cyclists and other road users in the surrounding area. This eliminates the blind spot when turning right.

Traffic Sign Assist (TSA)

The innovative Traffic Sign Assist offers maximum safety and comfort on the road. Thanks to GPS and camera support, the vehicle speed is constantly compared with the current traffic regulations.

Frontguard Assist

Frontguard Assist is an advanced system that was specially developed to warn drivers of pedestrians located immediately in front of the vehicle and also to warn them of an impending accident. Whether you are pulling away or driving slowly (up to 9.3 mph), the intelligent assistance system can detect potential collisions with unprotected road users.

Attention Assist (AtAs)

Attention Assist (AtAs) is a safety assistance system that can help prevent microsleep. It thus contributes to improved driving safety, especially on long journeys and when driving at night. The system warns the driver visually and acoustically when it detects typical signs of overtiredness or inattention and prompts him/her to take a break. The warning is independent of the electronic logging device (ELD).

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