



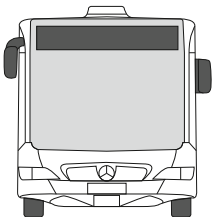
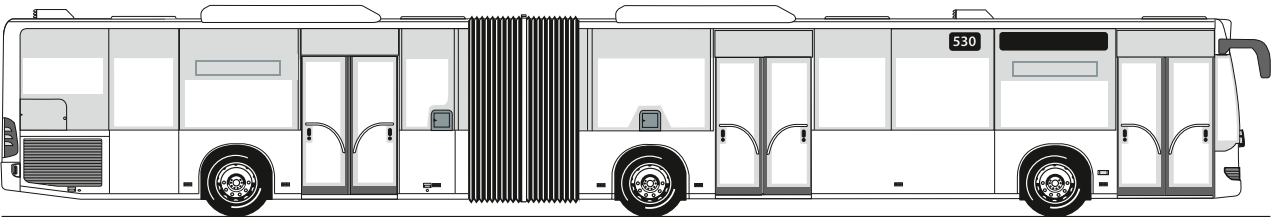
Technical information **The Citaro G**



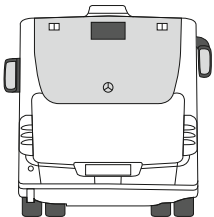
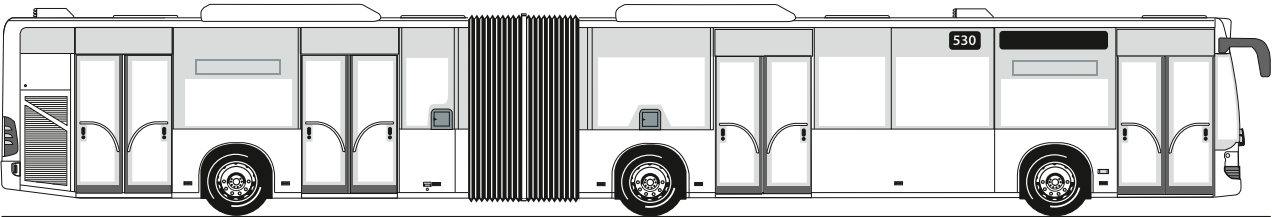
Mercedes-Benz

Model variant

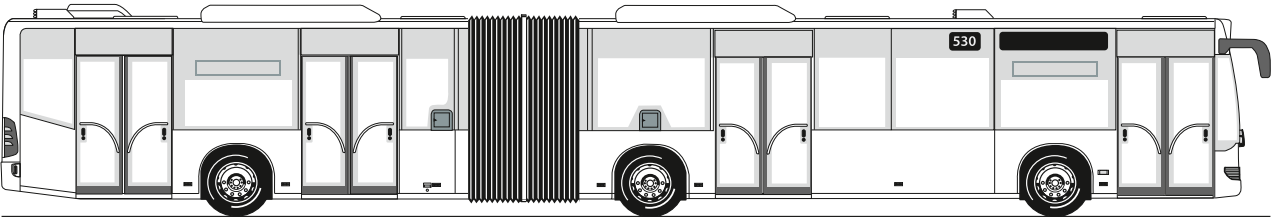
Citaro (628.283)



Citaro (628.285)



Citaro (628.290)

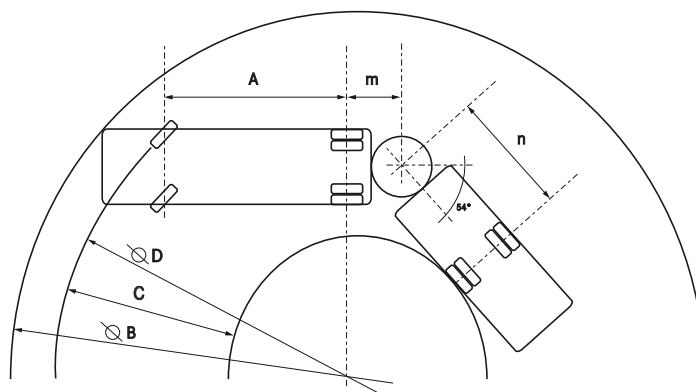


Dimensions/weights

	Citaro G, 3 doors	Citaro G, 4 doors	Citaro G, vertical engine
Vehicle length	17,940 mm	17,940 mm	17,940 mm
Vehicle width	2550 mm	2550 mm	2550 mm
Vehicle height (incl. air conditioning system)	3076 mm	3076 mm	3076 mm
Wheelbase, front axle - centre axle	5845 mm	5845 mm	5845 mm
Wheelbase, centre axle - drive axle	5990 mm	5990 mm	5990 mm
Overhang, front/rear	2705/3400 mm	2705/3400 mm	2705/3400 mm
Angle of approach/departure	7° / 7°	7° / 7°	7° / 7°
Tyre size	275/70 R 22.5	275/70 R 22.5	275/70 R 22.5
Overall passenger-carrying capacity	158	159	156
Seated	47	42	37
Standing	111	117	119
Entrance height, door 1/door 2-3 (4)	320/340 mm	320/340 mm	320/340 mm
Door opening width	1250 mm	1250 mm	1250 mm
Headroom	2313 mm	2313 mm	2313 mm
Floor height above road	370 mm	370 mm	370 mm
Platform height	280 mm	280 mm	280 mm
Waist rail height (above floor)	950 mm	950 mm	950 mm
Fuel tank capacity	300 l	300 l	300 l
AdBlue additive tank capacity	46 l	46 l	46 l
Gross vehicle weight, legally permissible*	28,000 kg	28,000 kg	28,000 kg
Axle loads, permissible*			
-Front axle	7245 kg	7245 kg	7245 kg
-Centre axle	10,000 kg	10,000 kg	10,000 kg
-Drive axle	13,000 kg	13,000 kg	13,000 kg

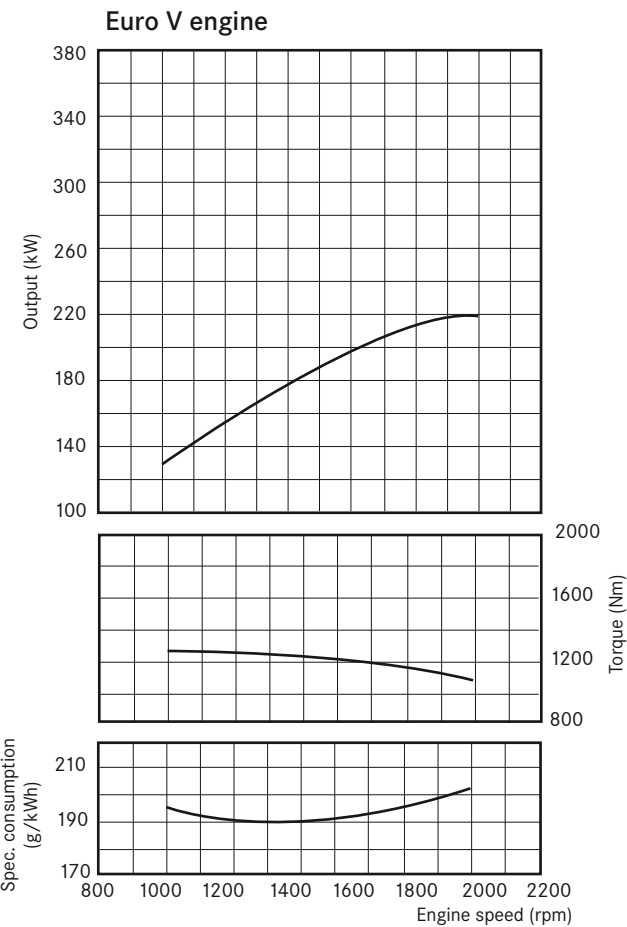
* Depending on country of registration, example based on Germany

Turning circle



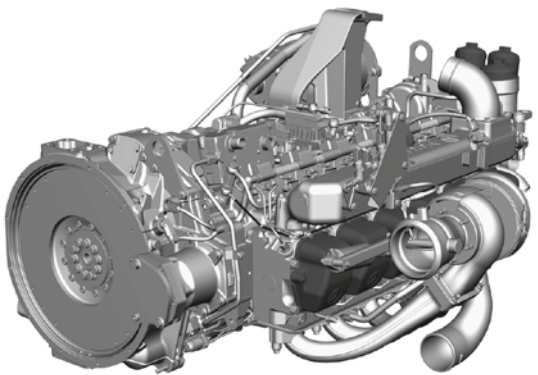
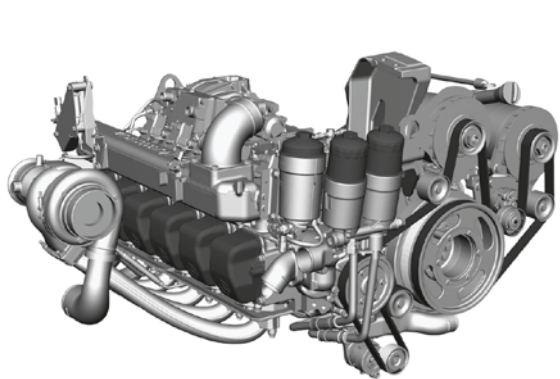
	Citaro G, 3 doors	Citaro G, 4 doors	Citaro G, vertical engine
Front overhang	2705 mm	2705 mm	2705 mm
Rear overhang	3400 mm	3400 mm	3400 mm
A: Wheelbase, front axle - centre axle	5845 mm	5845 mm	5845 mm
m+n: Wheelbase, centre axle - drive axle	5990 mm	5990 mm	5990 mm
B: Minimum turning circle	22,850 mm	22,850 mm	22,850 mm
C: Ring width, minimum turning circle	7419 mm	7419 mm	7419 mm
D: Minimum track circle	19,086 mm	19,086 mm	19,086 mm
B: Turning circle, German ordinance regulating passenger transport	25,000 mm	25,000 mm	25,000 mm
C: Ring width, German ordinance regulating passenger transport	6706 mm	6706 mm	6706 mm
Max. permissible ring width acc. to German ordinance regulating passenger transport	7200 mm	7200 mm	7200 mm
Maximum front axle steering angle, inner/outer wheel	53°/46°	53°/46°	53°/46°

Powertrain/technology



P_{max} 220 kW at 2000 rpm (80/1269/EEC)
Torque_{max} 1250 Nm at 1100 rpm, torque rise = 19%

Stationary full load curves

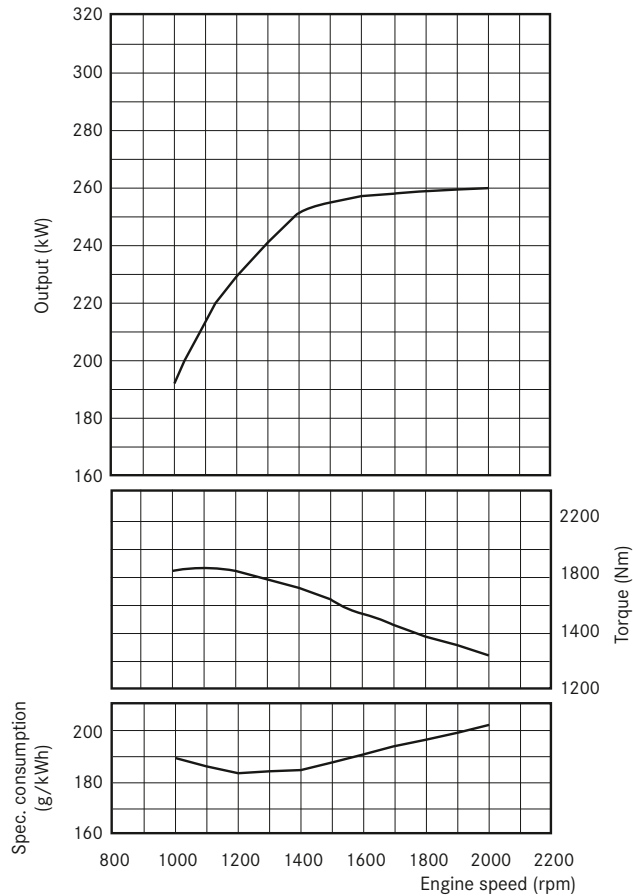


	Citaro G, 3 doors	Citaro G, 4 doors
Engine (Euro V/EEV*)	OM 457 hLA	OM 457 hLA
Displacement	11,967 cc	11,967 cc
Output (standard)	220 kW	220 kW
Cylinders/arrangement	6/in-line	6/in-line
Max. torque	1250 at 1100 rpm	1250 at 1100 rpm
Transmission	VOITH DIWA 5.0, 4-speed automatic	VOITH DIWA 5.0, 4-speed automatic
Axles		
Front axle	ZF, independent suspension	ZF, independent suspension
Centre axle	ZF AVN 132	ZF AVN 132
Drive axle	ZF AV 132	ZF AV 132
Steering	ZF power steering	ZF power steering
Brakes	Electronic braking system with disc brakes	
	Anti-lock braking system (ABS)	

* Our buses achieve the EEV emission standard (optional), depending on model and power unit, with or without a diesel particulate filter.

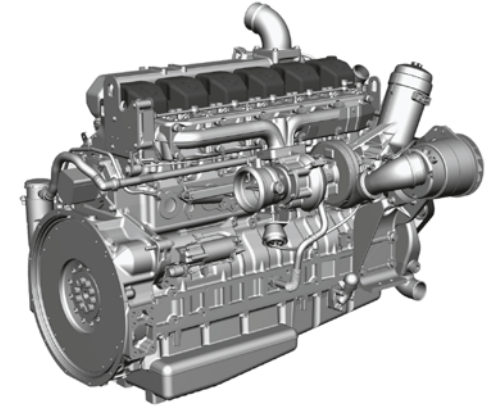
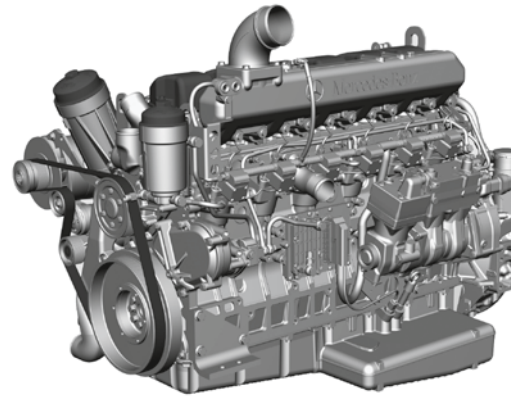
Powertrain/technology

Euro V engine



P_{\max} 260 kW at 2000 rpm (80/1269/EEC)
 T_{\max} 1850 Nm at 1100 rpm, torque rise = 49%

Stationary full load curves

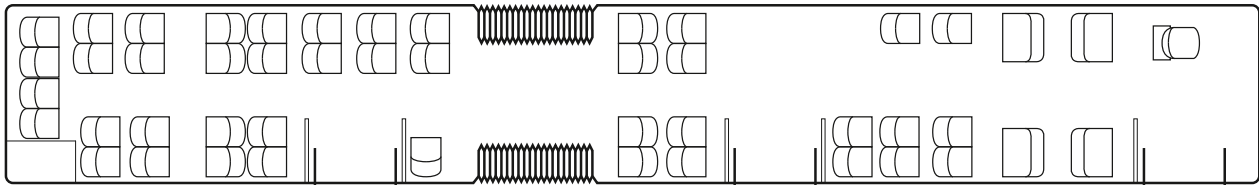


Citaro G, vertical engine

Engine (Euro V/EEV)	OM 457 LA
Displacement	11,967 cc
Output (standard)	260 kW
Cylinders/arrangement	6/in-line
Max. torque	1850 at 1100 rpm
Transmission	ZF Ecomat, 6-speed automatic
Axles	
Front axle	ZF, independent suspension
Centre axle	ZF AVN 132
Drive axle	ZF AV 132
Steering	ZF power steering
Brakes	Electronic braking system with disc brakes
	Anti-lock braking system (ABS)

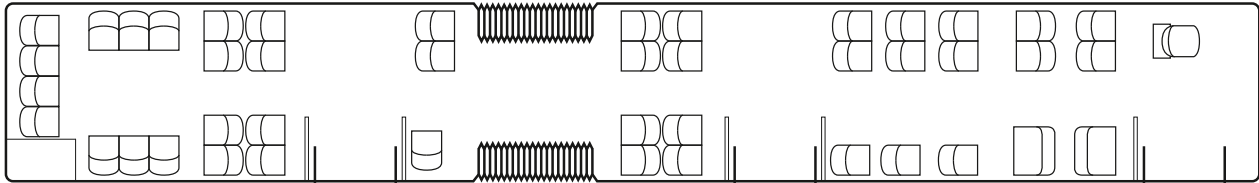
Seating configurations, Citaro G (C.628.283)

Standard



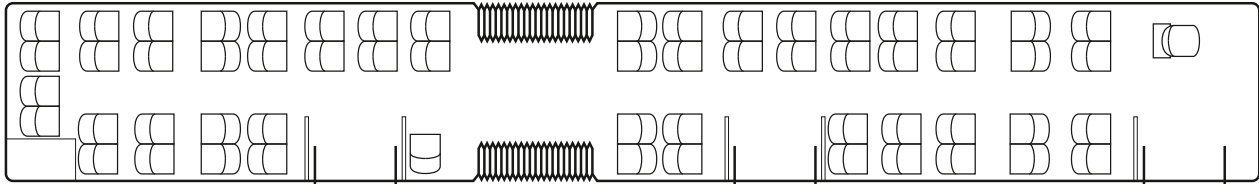
Number of seats 47

Special equipment (example)



Number of seats 44

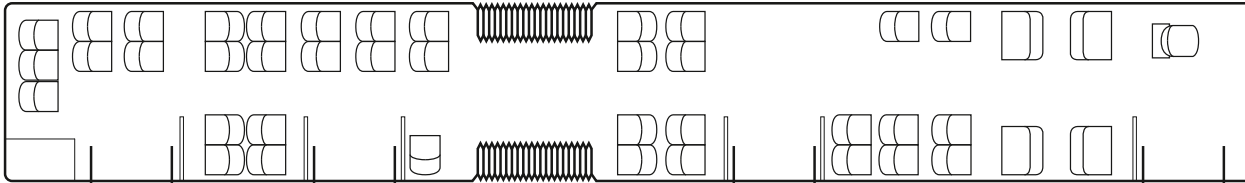
Special equipment (example)



Number of seats 59

Seating configurations, Citaro G (C.628.285)

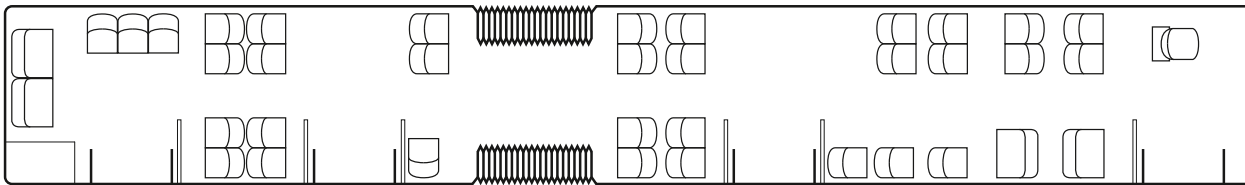
Standard



Number of seats

42

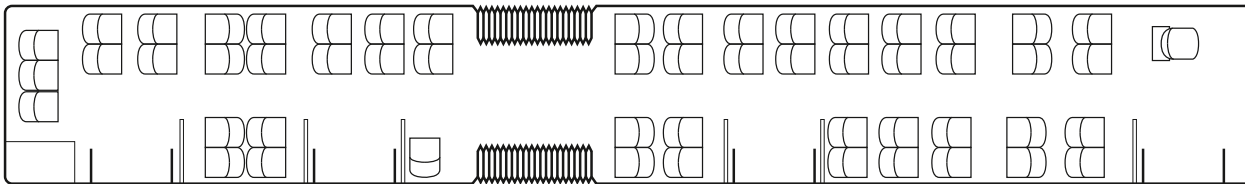
Special equipment (example)



Number of seats

37

Special equipment (example)

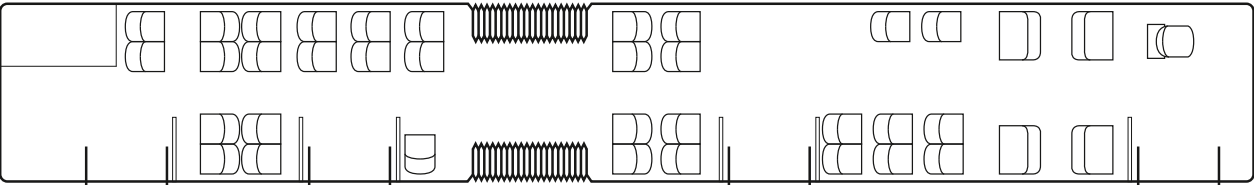


Number of seats

54

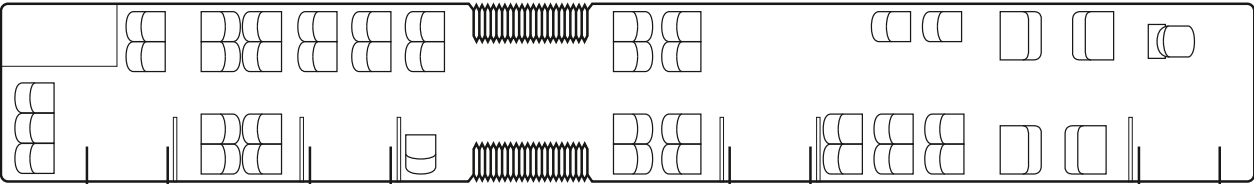
Seating configurations, Citaro G (C.628.290)

Standard



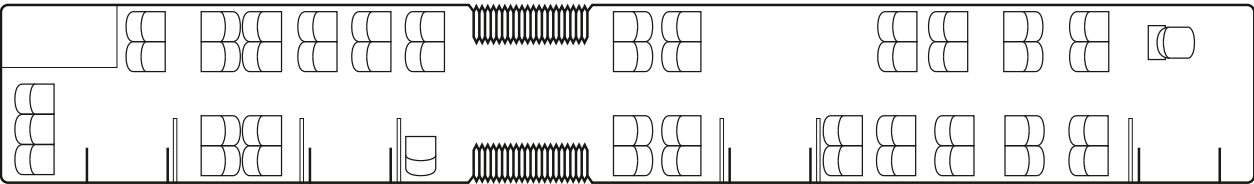
Number of seats 37

Special equipment (example)



Number of seats 40

Special equipment (example)



Number of seats 46

Standard/special equipment (selection)

Engine and chassis	Citaro G, 3 doors	Citaro G, 4 doors	Citaro G, vertical engine
Engine Mercedes-Benz OM 457 hLA 220 kW (Euro V)	●	●	-
Engine Mercedes-Benz OM 457 LA 260 kW (Euro V)	-	-	●
Engine Mercedes-Benz OM 457 hLA 260 kW (Euro V)	○	○	-
Exhaust emission standard EEV	○	○	○
VOITH DIWA 5.0, 4-speed automatic transmission	●	●	●
ZF Ecomat, 6-speed automatic transmission	○	○	○
ZF Ecolife, 6-speed automatic transmission	○	○	○
Electronic braking system (EBS)	●	●	●
Anti-lock braking system (ABS)	●	●	●
Acceleration skid control (ASR)	○	○	○
Automatic frequent-stop brake with drive-off lock	●	●	●
Air suspension by means of electronic level control	●	●	●
Air suspension by means of electronic level control, incl. kneeling function	○	○	○
Vehicle raising 70 mm, with button on instrument panel/console	○	○	○
Plastic wheel trims	○	○	○
Stainless-steel wheel trims	○	○	○

● Standard equipment/no-cost options

○ Special equipment

Air conditioning system	Citaro G, 3 doors	Citaro G, 4 doors	Citaro G, vertical engine
Turbo roof ventilator	●	●	●
Roof-duct ventilation system with integrated heating	○	○	○
Roof-mounted air conditioning system	○	○	○
Roof-mounted air conditioning system, uprated version	○	○	○
Heating system with sidewall radiators	●	●	●
Heating system with convectors	○	○	○
Driver's area			
GRAMMER Linea MSG 90.6 P driver's seat, air-sprung	●	●	●
ISRI 6860/875 driver's seat, integrated pneumatic system, three-point seat belt	○	○	○
Heated driver's seat	●	●	●
Driver's area air conditioning	○	○	○
Driver's cab door	●	●	●
Compartment for driver's bag on driver's cab door, open	●	●	●
Compartment for driver's bag on driver's cab door, lockable, hinged	○	○	○
Ticket printer installation option	●	●	●
Steering column adjustable for height and angle, with steering wheel lock	●	●	●
Cruise control	○	○	○
Heated exterior mirrors approved for school buses	●	●	●
Heated exterior mirrors, electrically adjustable, approved for school buses	○	○	○
Driver microphone	○	○	○
Audible backup warning signal	○	○	○
Roller sunblind covering 2/3 of the windscreen, electrically operated	○	○	○
Camera monitoring of interior	○	○	○
Fire detection system for monitoring the engine compartment (Standard as of 2011)	●	●	●
Extinguisher system	○	○	○

● Standard equipment/no-cost options

○ Special equipment

Interior	Citaro G, 3 doors	Citaro G, 4 doors	Citaro G, vertical engine
City Star Eco (CSE) seats	●	●	●
Wheelchair space	○	○	○
Wheelchair bay with integrated folding seat	○	○	○
Stop request button	●	●	●
Wheel arch stowage space, front left/right	○	○	○
Emergency hammers with rope retainers, inertia reel	●	●	●
Emergency hammers with electric anti-theft alarm	○	○	○
Sidewall lining, needlefelt	○	○	○
Wardrobe hooks on window pillars	○	○	○
Miscellaneous			
Halogen fog lamps integrated in the bumper	○	○	○
Grey-tinted side windows	○	○	○
Double-glazed side windows	○	○	○
Hinged side windows	●	●	●
Sliding side windows	○	○	○
Folding ramp at door 1 or 2, manually operated	○	○	○
Cassette ramp at door 2, manually or electrically operated	○	○	○
Information and entertainment			
Radio system with CD player	○	○	○
Multifunction aerial for radio, mobile phone, navigation	○	○	○
Interior bus-stop indicator, in cross duct	○	○	○
LED or LCD destination indicator system	○	○	○
Interior/exterior wheelchair buttons	○	○	○
GPS digital clock on front-end flap	○	○	○

● Standard equipment/no-cost options

○ Special equipment

Technical changes may have been made to these data since the brochure went to press. This data sheet covers just some of the possible configurations. Some of these configurations are country-specific. Subject to change. Please consult your Mercedes-Benz sales advisor for final details.

Glossary

Anti-lock braking system (ABS)

ABS distributes the braking forces acting on the individual wheels so that none of the wheels lock up for long, even during emergency braking, and the vehicle remains largely steerable.

Acceleration skid control (ASR)

ASR prevents the wheels from spinning when starting off on slippery surfaces. It only ever provides the amount of power the driven wheels are capable of transmitting to the road. Wheelspin, for example on icy roads, is prevented by the application of precisely metered braking power.

Electronic braking system (EBS)

A modified version of the conventional compressed-air brake, the electronic braking system provides many benefits. During braking, the control unit initially actuates the auxiliary brake (retarder). If greater deceleration is required, the control unit uses information from the data network to determine the optimum braking pressure for each axle. The electronic braking system allows far shorter braking distances as well as substantially reducing brake disc and pad wear.

Electronic level control system

Passengers and luggage are not always spread evenly around the vehicle, meaning that the vehicle level differs from wheel to wheel. The electronic level control system controls the vehicle height automatically at each wheel so that the entrance height always remains the same.

Cathodic dip priming

Cathodic dip priming is an electrochemical process in which the bodyshell is coated in an immersion bath. It is ideal for painting complex structures and large quantities. The bus is extremely well-protected against corrosion – using water-based paints – as an even layer of paint is applied on the whole bodyshell without missing a spot. Cathodic dip priming is proven to be the best form of corrosion protection currently available in vehicle production.

Further information can be obtained from your Mercedes-Benz bus and coach dealer.
Or visit us on the internet at **www.mercedes-benz.de/omnibus**

The illustrations may show accessories and items of special equipment which are not part of the standard specification.

The technical information in this brochure applies to the Federal Republic of Germany only (Status: July 2010). The manufacturer reserves the right to make changes without notice.

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