



# THE eCITARO

Technical data and equipment at  
a glance.

Mercedes-Benz

The standard for buses.



# THE eCITARO AT A GLANCE.

eCitaro K



Length [mm]:	10.633	Height [mm]:	3.400
Turning circle [mm]:	17.284	Width [mm]:	2.550

eCitaro 2 doors



Length [mm]:	12.135	Height [mm]:	3.400
Turning circle [mm]:	21.214	Width [mm]:	2.550

eCitaro 3 doors



Length [mm]:	12.135	Height [mm]:	3.400
Turning circle [mm]:	21.214	Width [mm]:	2.550

eCitaro G 3 doors



Length [mm]:	18.125	Height [mm]:	3.400
Turning circle [mm]:	22.970	Width [mm]:	2.550



## eCitaro G 4 doors



Length [mm]:	18.125	Height [mm]:	3.400
Turning circle [mm]:	22.970	Width [mm]:	2.550

# TECHNICAL DATA AND EQUIPMENT AT A GLANCE.

	eCitaro K	eCitaro 2 doors	eCitaro 3 doors	eCitaro G 3 doors	eCitaro G 4 doors
<b>Dimensions</b>					
Length [mm]	10.633	12.135	12.135	18.125	18.125
Width [mm]	2.550	2.550	2.550	2.550	2.550
Width incl. mirrors [mm]	2.950	2.950	2.950	2.950	2.950
Height [mm]	3.400	3.400	3.400	3.400	3.400
Interior standing height in low-floor area [mm]	2.313	2.313	2.313	2.313	2.313
Parapet height (above ground) [mm]	952	952	952	952	952
Wheelbase front axle-drive axle [mm]	4.398	5.900	5.900	-	-
Wheelbase front axle-central axle [mm]	-	-	-	5.900	5.900
Wheelbase central axle-drive axle [mm]	-	-	-	5.990	5.990
Tyre size	275/70 R 22,5	275/70 R 22,5	275/70 R 22,5	275/70 R 22,5	275/70 R 22,5
Tyre size as per selection*	315/60 R 22,5	315/60 R 22,5	315/60 R 22,5	315/60 R 22,5	315/60 R 22,5
Overhang at front [mm]	2.805	2.805	2.805	2.805	2.805
Overhang at rear [mm]	3.430	3.430	3.430	3.430	3.430
Turning circle [mm]	17.284	21.214	21.214	22.970	22.970
Turning circle BOKraft [mm]	25.000	25.000	25.000	25.000	25.000
Ring width turning circles min. [mm]	6.116	6.803	6.803	7.478	7.178
Ring width BOKraft [mm]	4.652	5.851	5.851	6.791	6.791
Ring width max. permissible according to BOKraft [mm]	7.200	7.200	7.200	7.200	7.200
Track circle minimal [mm]	13.138	17.058	17.058	19.160	19.160
Wheel impact front axle max. [°]	53	53	53	53	53

Swing-out dimension [mm]	960	779	779	779	779
Cockpit height [mm]	310	310	310	310	310
Floor height over roadway [mm]	370	370	370	370	370
Pedestal height [mm]	280	280	280	280	280
Entry height door 1 [mm]	320	320	320	320	320
Entry height door 2 [mm]	320	320	320	320	320
Entry height door 3 [mm]	320*	-	320	320	320
Entry height door 4 [mm]	-	-	-	-	320
Door opening width 1 [mm]	1.250	1.250	1.250	1.250	1.250
Door opening width 2 [mm]	1.250	1.250	1.250	1.250	1.250
Clear door width 3 [mm]	1250*	-	-	1.250	1.250
Clear door width 4 [mm]	-	-	-	-	1.250
Slope angle in front [°]	7	7	7	7	7
Slope angle rear [°]	7	7	7	7	7

## Transmission

Electric drive	ZF AxTrax 2 LF	ZF AxTrax 2 LF	ZF AxTrax 2 LF	ZF AxTrax 2 LF	ZF AxTrax 2 LF
Power (peak/ duration) [kW]	440 / 360	440 / 360	440 / 360	440 / 360	440 / 360
Max. Torque [Nm]	2 x 525	2x 525	2x 525	2x 525	2x 525
Transmission ratio	2x 11.896	2x 11.896	2x 11.896	2x 11.896	2x 11.896
After final ratio	1:22,66	1:22,66	1:22,66	1:22,66	1:22,66
Nominal voltage [V]	650 / 750	650 / 750	650 / 750	650 / 750	650 / 750

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<b>Chassis</b>					
Steering	Electrohydraulic steering (intelligent eco steering)	Electrohydraulic steering (intelligent eco steering)	Electrohydraulic steering (intelligent eco steering)	Electrohydraulic steering (intelligent eco steering)	Electrohydraulic steering (intelligent eco steering)
Front axle, type	ZF RL 82 EC	ZF RL 82 EC	ZF RL 82 EC	ZF 82 RL EC	ZF RL 82 EC
Front axle: independent suspension, anti-roll bar	●	●	●	●	●
Centre axle, type	-	-	-	ZF AV 133	ZF AV 133
Driven axle, type	ZF AxTrax 2 LF	ZF AxTrax 2 LF	ZF AxTrax 2 LF	ZF AxTrax 2 LF	ZF AxTrax 2 LF
Second driven axle	-	-	-	-	-
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	○	○	○	○	○
<b>Brakes</b>					
Pneumatic disc brakes on all axles	●	●	●	●	●
Electronic Stability Programme (ESP®)	●	●	●	-	-
Electronically controlled braking system (EBS)	●	●	●	●	●
Anti-locking system (ABS)	●	●	●	●	●
Brake Assist (BAS)	●	●	●	●	●
Acceleration Slip Regulation (ASR)	●	●	●	●	●
Automatic bus stop brake with pull-away lock	●	●	●	●	●
Parking brake	●	●	●	●	●

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<b>Safety and driver assistance systems</b>					
Rollover strength compliant with in ECE R29	●	●	●	●	●
Tyre Pressure Monitoring (TPM)	●	●	●	●	●
Preventive Brake Assist 2	○	○	○	○	○
Sideguard Assist 2	●	●	●	●	●
Electronic Stability Program (ESP®)	●	●	●	-	-
Reversing camera	●	●	●	●	●
Reversing buzzer	○	○	○	○	○
Extinguishing system	○	○	○	○	○
Rain-light sensor	○	○	○	○	○
Flat wiper blades with water fed through wiper blade	●	●	●	●	●
Rollover strength compliant with ECE-R 66.02	●	●	●	●	●
360° Camera	○	○	○	-	-
270° Camera	-	-	-	○	○
Traffic Sign Assist	●	●	●	●	●
Frontguard Assist	●	●	●	●	●
Attention Assist 2 (AtAs)	●	●	●	●	●
MirrorCam	○	○	○	○	○
<b>Profitability</b>					
Tyre Pressure Monitoring (TPM)	●	●	●	●	●
Glide (coasting)	●	●	●	●	●
Ranges	Up to 600 km**	Up to 600 km**	Up to 600 km**	Up to 480 km**	Up to 480 km**

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<b>Transport capacity</b>					
Number of seats – standard seating	1/24	1/29	1/26	1/45	1/41
Passenger capacity max.	84	88	88	146	146
Driver's seat GRAMMER Linea MSG 90.6 P, air-sprung	●	●	●	●	●
Driver's seat ISRI 6860, integrated pneumatic system, 3-point seat belt	○	○	○	○	○
Wheelchair space	○	○	○	○	○
Seating type Inter Star Eco (ISE)	○	○	○	○	○
Seating type City Star Function (CSF)	○	○	○	○	○
Seating type City Star Eco (CSE)	●	●	●	●	●
<b>Weight and fuel tanks</b>					
Gross vehicle weight [kg]	20.000	20.000	20.000	30.000	29.000
Axle loads, max. permissible front axle [kg]	8.000	7.500	7.500	7.500	7.500
Axle loads, max. permissible central axle [kg]	-	-	-	11.500	10.000
Axle loads, max. permissible drive axle [kg]	13.000	13.000	13.000	13.000	13.000
<b>Heating, air conditioning and ventilation</b>					
Driver's area air conditioning	●	●	●	●	●
EvoThermatik Basic	●	●	●	●	●
EvoThermatik high comfort	○	○	○	○	○
EvoThermatik Plus	○	○	○	○	○
Turbo roof ventilator	●	●	●	●	●
Intelligent thermal management	●	●	●	●	●



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<b>Doors and glazing</b>					
Number of doors	2/ 3*	2	3	3	4
Interior swivel door	●	●	●	●	●
Sliding swivel door	○	○	○	○	○
Ramp manual	○	○	○	○	○
Ramp electric	○	○	○	○	○
Single glazed	●	●	●	●	●
Double glazed	○	○	○	○	○
Windscreen heatable	○	○	○	○	○
<b>Lighting</b>					
Low beam	●	●	●	●	●
High beam	●	●	●	●	●
Daytime driving lights with LED technology	●	●	●	●	●
Headlamps with LED technology	●	●	●	●	●
Front fog lamp	○	○	○	○	○
Cornering light	○	○	○	○	○

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<b>Battery technology</b>					
Battery arrangement NMC battery (Rear/Roof)	2 / up to 4	2 / up to 4	2 / up to 4	2 / up to 5	2 / up to 5
Number of high-voltage NMC battery modules	4 - 6	4 - 6	4 - 6	4 - 7	4 - 7
NMC4	●	●	●	●	●
Capacity per NMC battery modules [kWh]	111	111	111	111	111
Capacity equipment variant NMC battery [6/8/10/12/]	444/555/666/-	444/555/666/-	444/555/666/-	444/555/666/777	444/555/666/777
Charging technology	Combo2 charging plug	Combo2 charging plug	Combo2 charging plug	Combo2 charging plug	Combo2 charging plug
Charging technology 2*	Pantograph power consumer	Pantograph power consumer	Pantograph power consumer	Pantograph power consumer	Pantograph power consumer
Charging technology 3*	Charging rail	Charging rail	Charging rail	Charging rail	Charging rail

● Standard equipment ○ Optional equipment

\* Optional equipment

\*\* The range was determined internally under specific conditions, including equipment with a maximum battery capacity, battery in delivery condition, typical city bus operation, and moderate weather scenario, and may differ, for example, from the values determined under Regulation (EU) 2017/2400. The actual range depends on the individual use of the vehicle, the vehicle configuration and other external factors. Therefore, the actual range may be below or above the specified value.

# 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.

## LED headlights for low beam and high beam

The vehicle is optionally equipped with long-life LED headlights. The light beam can be defined very accurately. The colour of the light is approximately the same as daylight, therefore the driver's eyes tire less quickly. More brightness and longer range provide additional safety.

## Rain-light sensor

The rain sensor and automatic driving light are assist systems that activate automated functions by means of a sensor system and relieve the driver of routine tasks.

## Electronic Braking Assist (BAS)

By constantly comparing the data, the electronic braking assist system immediately detects if the speed at which the brake pedal is pressed suddenly exceeds the usual level, and in such situations automatically boosts the maximum braking power to within fractions of a second. This significantly shortens the stopping distance of the vehicle.

## AquaBlade® windscreen wipers

The AquaBlade® windscreen wipers ensure optimum visibility at all times and, thanks to an ergonomic design, minimise both driving noise and fuel consumption.

## 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)

The Anti-lock Braking System (ABS) supports driving stability during critical braking operations and ensures that the vehicle remains steerable. The braking forces acting on the individual wheels are distributed by the ABS so that even in an emergency braking situation no wheel is blocked for any length of time, and the steerability of the bus is largely maintained.

## Acoustic Vehicle Alerting System

The Acoustic Vehicle Alerting System (AVAS) is a sound generator that generates a noise similar to that of a combustion engine in a speed range of up to 18.6 mph when driving forwards and up to 3.7 mph when reversing. A pleasant sound alerts those in the vicinity of the fully electric bus.

## 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.

## Articulation Turntable Controller (ATC)

Both agile and robust. The Articulation Turntable Controller (ATC) developed by Mercedes-Benz is a sophisticated anti-jackknife system for articulated buses. This swivel joint and its control system form one of the core components of the vehicle.

## 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 2.

Attention Assist uses a discreetly installed driver camera to detect signs of fatigue and distraction. If the system identifies any irregularities in eye movement or eyelid closing behaviour, it alerts you with a warning tone and display – for enhanced safety on long journeys.

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