



Mercedes-Benz GLC

Standard Safety Equipment

2022



Adult Occupant



92%

Child Occupant



90%

Vulnerable Road Users



74%

Safety Assist



84%

SPECIFICATION

Tested Model	Mercedes-Benz GLC 220d 4MATIC AMG-Line, LHD
Body Type	- 5 door SUV
Year Of Publication	2022
Kerb Weight	2000kg
VIN From Which Rating Applies	- W1NKM0****F007828 or W1NKM0****U003366
Class	Small Off-Road



ADVANCED REWARDS

- 2022 - Mercedes-Benz Car-to-X Communication
- 2010 - Mercedes-Benz PRE-SAFE®

SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	—
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	●	✗	—
SIDE CRASH PROTECTION			
Side head airbag	●	●	●
Side chest airbag	●	●	○
Side pelvis airbag	●	●	○
Centre Airbag	●	●	—
CHILD PROTECTION			
Isofix/i-Size	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

OTHER SYSTEMS	
Active Bonnet	✗
AEB Vulnerable Road Users	●
AEB Pedestrian - Reverse	●
AEB Car-to-Car	●
Speed Assistance	●
Lane Assist System	●

Note: Other equipment may be available on the vehicle but was not considered in the test year.

● Fitted to the vehicle as standard

○ Fitted to the vehicle as part of the safety pack

○ Not fitted to the test vehicle but available as option or as part of the safety pack

✗ Not available

— Not applicable



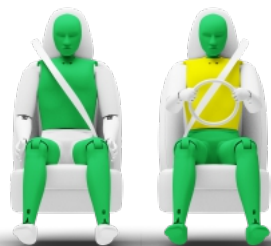
ADULT OCCUPANT

Total 35.2 Pts / 92%

GOOD ADEQUATE MARGINAL WEAK POOR

Frontal Impact

14.3 / 16 Pts



Mobile Progressive Deformable Barrier



Full Width Rigid Barrier

Lateral Impact

15.0 / 16 Pts



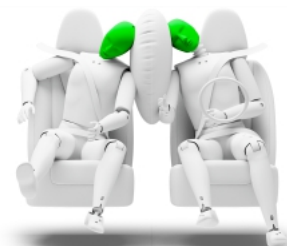
Side Mobile Barrier



Side Pole



Far-Side Excursion



Occupant Interaction

Rear Impact

3.9 / 4 Pts



Rear Seat



Front Seat



ADULT OCCUPANT

Total 35.2 Pts / 92%

 GOOD

 ADEQUATE

 MARGINAL

 WEAK

 POOR

Rescue and Extrication

2.0 / 2 Pts

Rescue Sheet	Available, ISO compliant	
Advanced eCall	Available	
Multi Collision Brake	Available	

Comments

The passenger compartment of the Mercedes-Benz GLC remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. Mercedes-Benz demonstrated that a similar level of protection would be provided to occupants of different sizes and to those sitting in different position. Protection was good for all critical body areas of the passenger dummy. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the car would be a somewhat aggressive partner in a frontal collision. In the full-width rigid barrier test, protection of all critical body areas was good or adequate for both the driver and rear passenger. In the side barrier test, all critical body areas were well protected and the GLC scored maximum points for this test. However, in the pole test, protection of the chest was rated as weak, based on dummy readings of rib compression. Control of excursion (the extent to which a body is thrown to the other side of the vehicle when it is hit from the far side) was adequate. The GLC has a counter-measure to mitigate against occupant to occupant injuries in such impacts. The system performed well in Euro NCAP's tests, with good protection of the occupants' heads. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric analysis of the rear seats also indicated good whiplash protection. The GLC has an advanced eCall system which alerts the emergency services in the event of a crash and a 'Post-Collision Brake' system applies the brakes to prevent secondary collisions.



CHILD OCCUPANT

Total 44.4 Pts / 90%

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

Crash Test Performance based on 6 & 10 year old children

23.4 / 24 Pts

Frontal Impact

15.4 Pts



Lateral Impact

8 Pts

Restraint for 6 year old child: *Mercedes-Benz KidFix XP*Restraint for 10 year old child: *Mercedes-Benz KidFix XP - booster only*

Safety Features

9.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	✗	●	✗
i-Size	✗	●	✗
Integrated CRS	✗	✗	✗

● Fitted to test car as standard ○ Not on test car but available as option ✗ Not available

CRS Installation Check

12.0 / 12 Pts

● Install without problem
 ● Install with care
 ● Safety critical problem
 ✗ Installation not allowed

■ i-Size CRS

Maxi Cosi 2way Pearl & 2wayFix (i-Size)



Maxi Cosi 2way Pearl & 2wayFix (i-Size)



BeSafe iZi Kid X2 i-Size (i-Size)



Britax Römer TriFix2 i-Size (i-Size)



BeSafe iZi Flex FIX i-Size (i-Size)



■ ISOFIX CRS

BeSafe iZi Combi X4 ISOfix (ISOFIX)



Cybex Solution Z i-Fix (ISOFIX)





CHILD OCCUPANT

Total 44.4 Pts / 90%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyFix (Belt)



Britax Römer King II LS (Belt)



Cybex Solution Z i-Fix (Belt)





CHILD OCCUPANT

Total 44.4 Pts / 90%

	Seat Position			
	Front	2nd row		
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
BeSafe iZi Kid X2 i-Size (i-Size)	—	●	—	●
Britax Römer TriFix2 i-Size (i-Size)	—	●	—	●
BeSafe iZi Flex FIX i-Size (i-Size)	—	●	—	●
BeSafe iZi Combi X4 ISOfix (ISOFIX)	—	●	—	●
Cybex Solution Z i-Fix (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyFix (Belt)	●	●	✗	●
Britax Römer King II LS (Belt)	●	●	●	●
Cybex Solution Z i-Fix (Belt)	●	●	●	●

● Install without problem
 ● Install with care
 ● Safety critical problem
 ✗ Installation not allowed
 — Not available

Comments

In both the frontal offset and side barrier tests, good or adequate protection was provided to all critical body areas for both child dummies. The GLC automatically disables the front passenger airbag when a rearward-facing child restraint is put in that seating position. Tests showed that the system worked robustly and it was rewarded. All of the child restraint types for which the Mercedes-Benz GLC is designed could be properly installed and accommodated in the car.



VULNERABLE ROAD USERS

Total 40.4 Pts / 74%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Pedestrian

23.4 / 36 Pts



Head Impact	17.6 Pts
Pelvis Impact	0.0 Pts
Leg Impact	5.8 Pts

Vulnerable Road Users

17.0 / 18 Pts

System Name	Active Brake Assist
Type	Auto-Brake with Forward Collision Warning
Operational From	7 km/h



VULNERABLE ROAD USERS

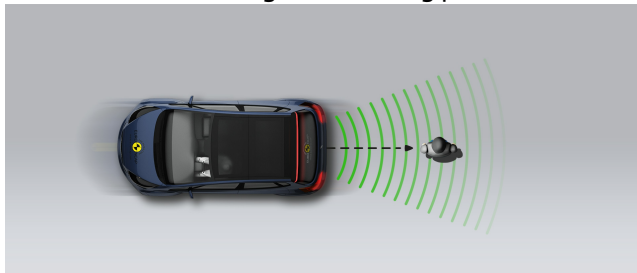
Total 40.4 Pts / 74%

AEB Pedestrian

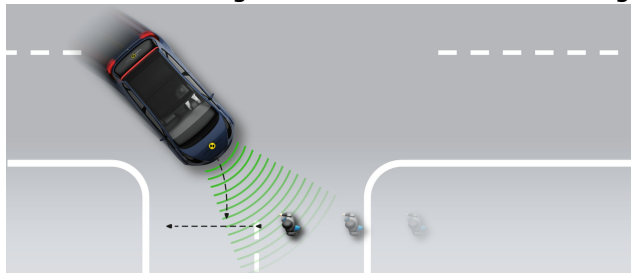
8.6 / 9 Pts

■ Day time

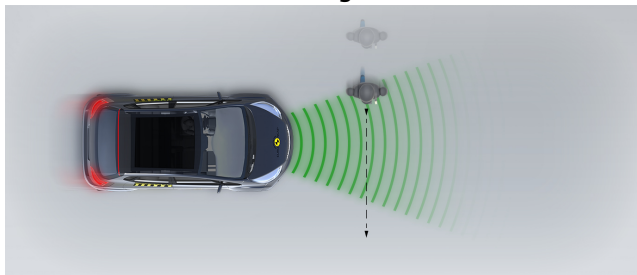
Vehicle reversing into standing pedestrian



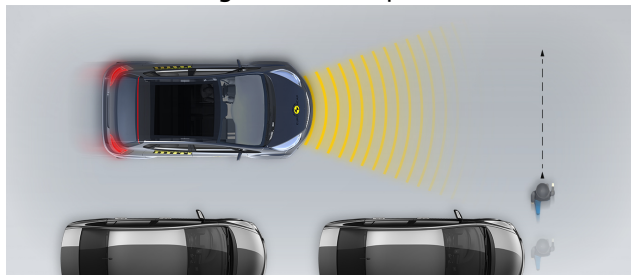
Pedestrian crossing a road into which a car is turning



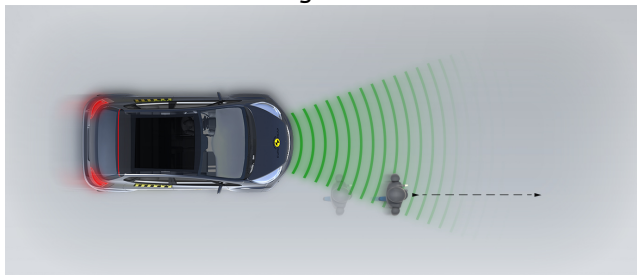
Adult crossing the road



Child running from behind parked vehicles

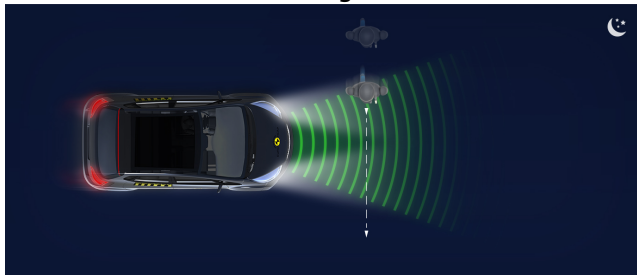


Adult along the roadside

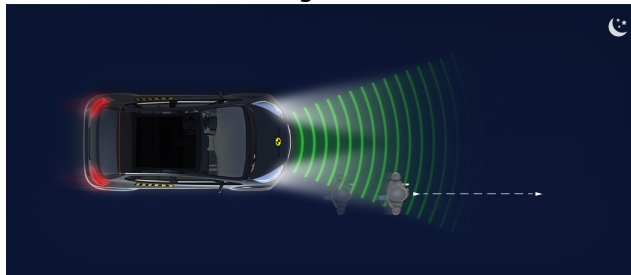


■ Night time

Adult crossing the road



Adult along the roadside





VULNERABLE ROAD USERS

Total 40.4 Pts / 74%

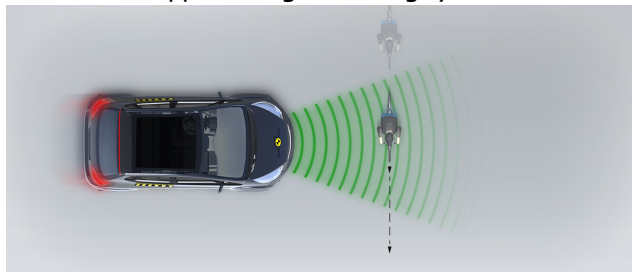
AEB Cyclist

8.3 / 9 Pts

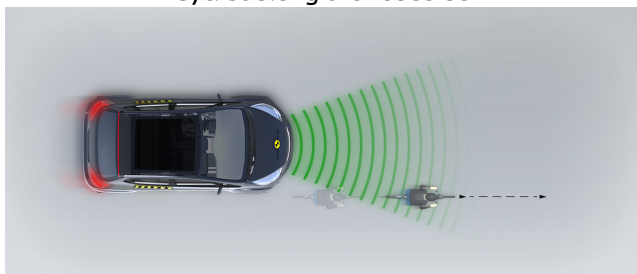
Cyclist from nearside, obstructed view



Approaching a crossing cyclist



Cyclist along the roadside



Comments

Protection of the head was very mixed, some areas showing good results and a few being poor. The bumper provided good protection to pedestrians' legs but protection of the pelvis was almost completely poor. The autonomous emergency braking (AEB) system of the Mercedes-Benz can respond to vulnerable road users as well as to other vehicles. The system performed well in tests of its response to pedestrians and in tests of its response to cyclists, with collisions avoided in many cases.



SAFETY ASSIST

Total 13.5 Pts / 84%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Speed Assistance



2.5 / 3 Pts

System Name	Speed Limit Assist
Speed Limit Information Function	Camera & Map, subsigns supported
Speed Limitation Function	System advised (accurate to 5km/h)

Occupant Status Monitoring



2.0 / 3 Pts

> Seatbelt Reminder



1.0 / 2 Pts

Applies To	Front and rear seats		
Warning	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Visual	●	●	●
Audible	●	●	●
Occupant Detection	—	●	—

● Pass ● Fail — Not available

> Driver Monitoring



1.0 / 1 Pts

System Name	Attention Assist
Type	Driver input
Operational From	60 km/h



SAFETY ASSIST

Total 13.5 Pts / 84%



Lane Support 3.3 / 4 Pts

System Name	Active Lane Keeping Assist
Type	LKA and ELK
Operational From	60 km/h
PERFORMANCE	
Emergency Lane Keeping	 GOOD
Lane Keep Assist	 GOOD
Human Machine Interface	 GOOD

AEB Car-to-Car 5.7 / 6 Pts

System Name	Active Brake Assist
Type	Autonomous emergency braking and forward collision warning
Operational From	7 km/h
Sensor Used	camera and radar

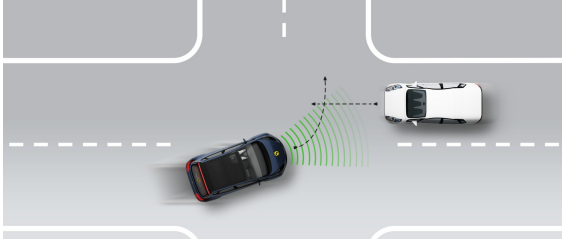


SAFETY ASSIST

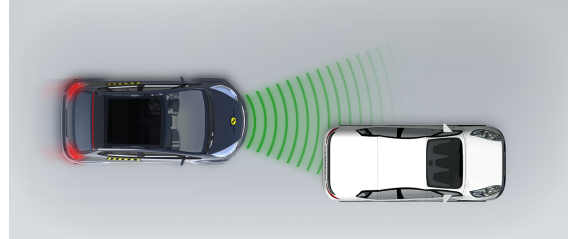
Total 13.5 Pts / 84%

Autobrake function only

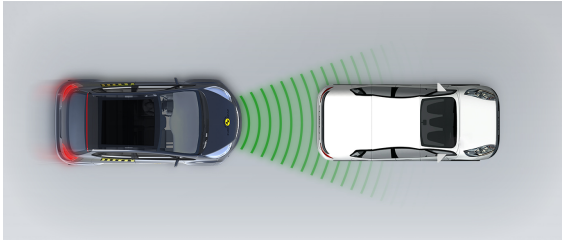
Car turning across the path of an oncoming car



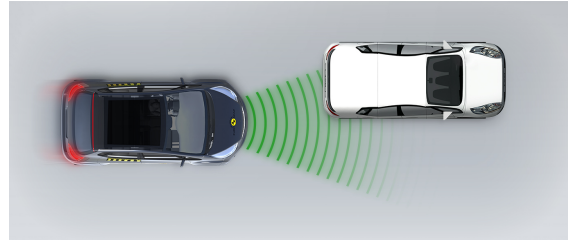
Approaching a stationary car



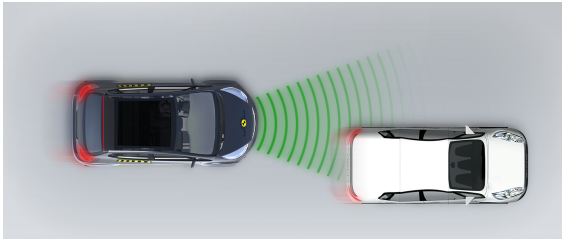
Approaching a stationary car



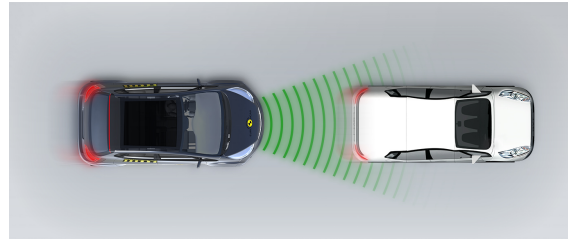
Approaching a stationary car



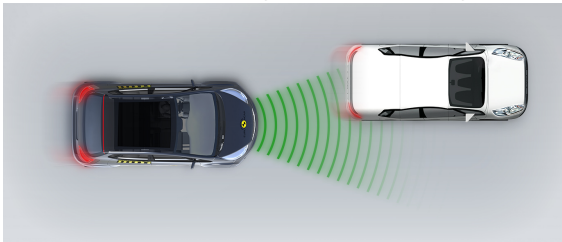
Approaching a slower moving car



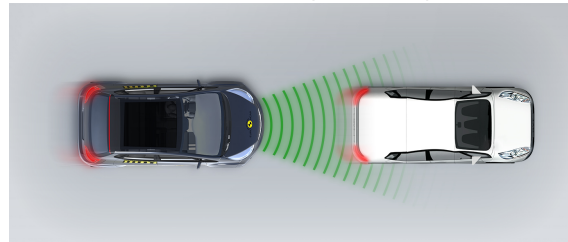
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



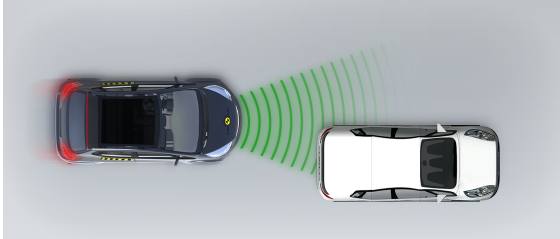


SAFETY ASSIST

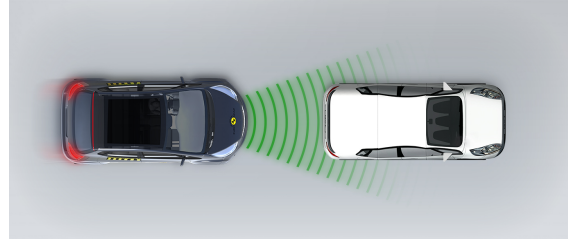
Total 13.5 Pts / 84%

■ Driver reacts to warning

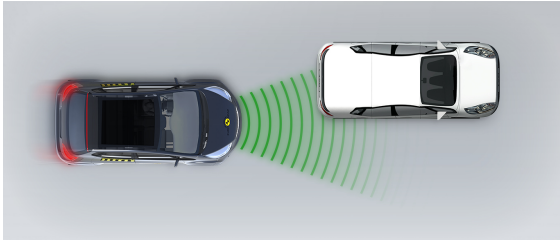
Approaching a stationary car



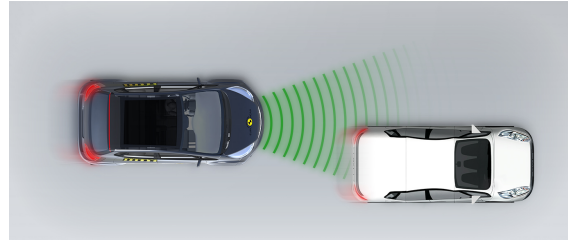
Approaching a stationary car



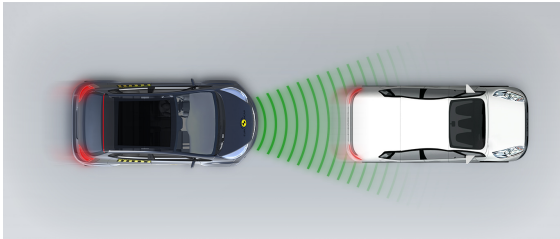
Approaching a stationary car



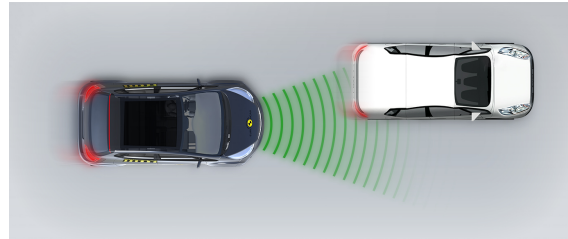
Approaching a slower moving car



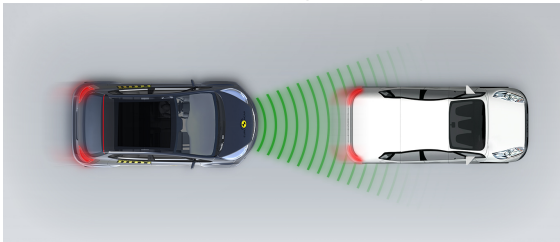
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car





SAFETY ASSIST

Total 13.5 Pts / 84%

Comments

The autonomous emergency braking (AEB) system of the Mercedes-Benz GLC performed well in tests of its reaction to other vehicles. A seatbelt reminder system is fitted as standard to the front and rear seats and the car is equipped with a system to detect driver fatigue. The lane support system gently corrects the vehicle's path if it is drifting out of lane, and also intervenes in some more critical situations. A driver-set speed limiter is standard across the GLC range.

RATING VALIDITY

Variants of Model Range

Body Type	Engine	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door SUV	2.0 diesel	GLC 220d 4MATIC *	4 x 4	✓	✓
5 door SUV	2.0 diesel	GLC 300d 4MATIC	4 x 4	✓	✓
5 door SUV	2.0 petrol	GLC 200 4MATIC	4 x 4	✓	✓
5 door SUV	2.0 petrol	GLC 300 4MATIC	4 x 4	✓	✓
5 door SUV	2.0 petrol + e-engine	GLC 300e 4MATIC **	4 x 4	-	-
5 door SUV	2.0 petrol + e-engine	GLC 400e 4MATIC **	4 x 4	-	-

* Tested variant

** Additional tests needed

Annual Reviews and Facelifts

Date	Event	Outcome	
December 2022	Rating Published	2022 ★ ★ ★ ★ ★	✓