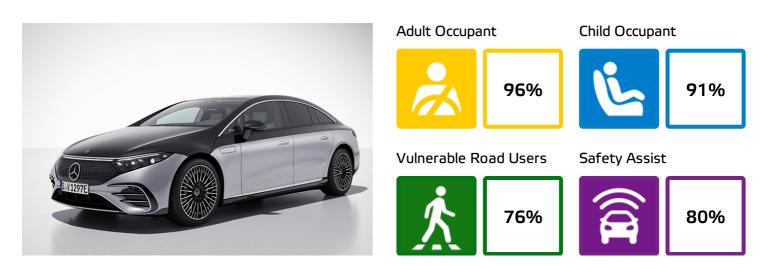
TEST RESULTS





Mercedes-EQ EQS Standard Safety Equipment





SPECIFICATION

Tested Model	Mercedes-EQ EQS 450+ 4x2 AMG Line, LHD
Body Type	- 5 door hatchback
Year Of Publication	2021
Kerb Weight	2480kg
VIN From Which Rating Applies	- all EQS
Class	Executive

ADVANCED REWARDS

2010 - Mercedes-Benz PRE-SAFE[®]



SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	•	•	×
Belt pretensioner	•		٠
Belt loadlimiter	•		٠
Knee airbag	•	×	×
SIDE CRASH PROTECTION			
Side head airbag	•		٠
Side chest airbag	•	•	0
Side pelvis airbag	×	×	×
Centre Airbag	•	•	_
CHILD PROTECTION			
Isofix	_	×	٠
Integrated CRS	_	×	×
Airbag cut-off switch	_		_
SAFETY ASSIST			
Seat Belt Reminder	•		٠

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

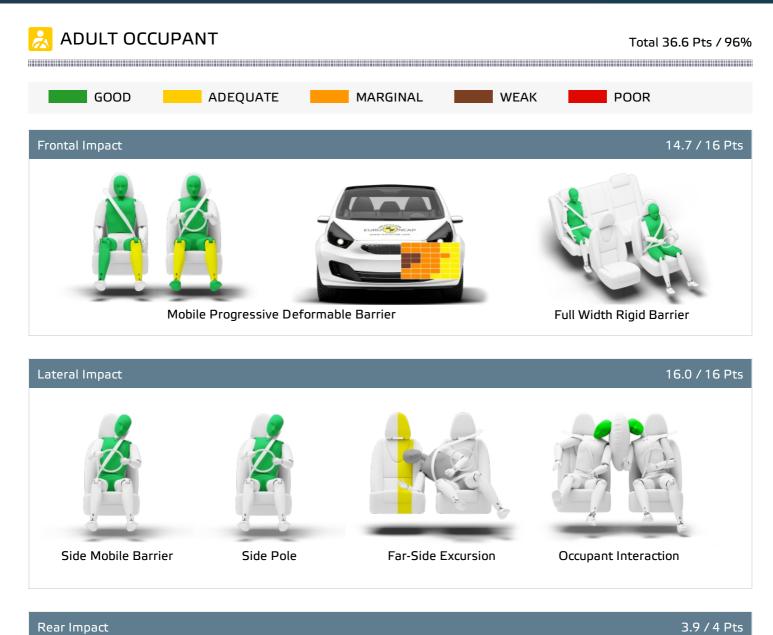
Note: Other equipment may be available on the vehicle but was not considered in the test year.

- Fitted to the vehicle as standard
 O Fitted to the vehicle as part of the safety pack

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

🗙 Not available 🧼 — Not applicable





Rear Impact



Rear Seat



Front Seat





Comments

The passenger compartment of the EQS remained stable in the frontal offset test. Dummy numbers showed good protection of the knees and femurs of both the driver and passenger. Daimler showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the EQS would be a moderately benign impact partner in a frontal collision. In the full-width rigid barrier test, good protection was provided to all critical body areas of the driver and rear passenger, and the EQS scored maximum points in this part of the assessment. In both the side barrier test and the more severe side pole impact, protection of all critical body areas was good and the car scored maximum points in this part of the assessment. Limitation of occupant excursion - the extent to which the occupant is flung to the other side of the vehicle in a side impact - was rated as adequate. The EQS is equipped with a centre airbag to protect against occupant to occupant injuries in side impacts. The airbag performed well in Euro NCAP's tests, with good protection of the dummies' 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 car is equipped with an advanced eCall system which automatically alerts the emergency services in the event of an accident. A multi-collision braking system prevents secondary impacts after the car has been involved in a collision.







Restraint for 6 year old child: Mercedes-Benz Kidfix Restraint for 10 year old child: Mercedes-Benz Kidfix base

Safety Features

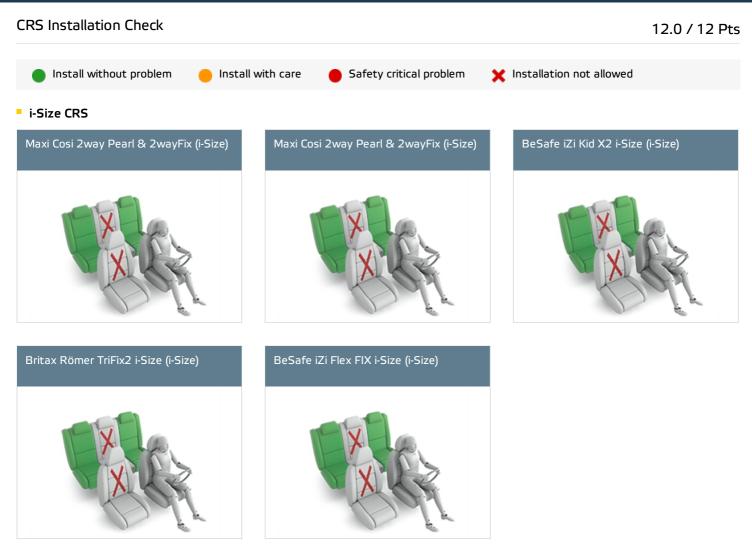
9.0 / 13 Pts

	Passenger	outboard	center
Isofix	×		×
i-Size	×	•	×
Integrated CRS	×	×	×

Euro NCAP © Mercedes-EQ EQS Dec 21 5/17







ISOFIX CRS





🔄 CHILD OCCUPANT

Total 45 Pts / 91%

Universal Belted CRS



Cybex Solution Z i-Fix (Belt)



Maxi Cosi Cabriofix & EasyFix (Belt)









Total 45 Pts / 91%

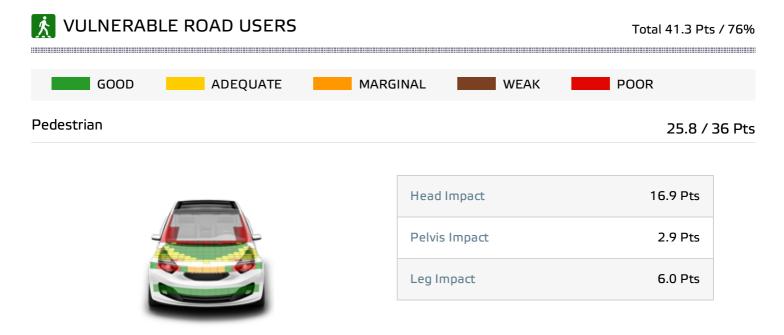
	Seat Position			
	Front 2nd row			
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	•	_	•
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	_	•	_	•
BeSafe iZi Kid X2 i-Size (i-Size)	_	•	_	•
Britax Römer TriFix2 i-Size (i-Size)	_	•	_	•
BeSafe iZi Flex FIXi-Size (i-Size)	_		_	
BeSafe iZi Combi 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)	•		•	٠

Not available

Comments

In the both the frontal offset test and the side barrier test, protection of all critical body regions was good, for both child dummies. The front passenger airbag is automatically disabled when a rearward-facing child restraint is put in that seating position. Tests showed that the system worked robustly and the system was rewarded. All of the child restraint types for which the EQS is designed could be properly installed and accommodated in the car.





Vulnerable Road Users

15.6 / 18 Pts

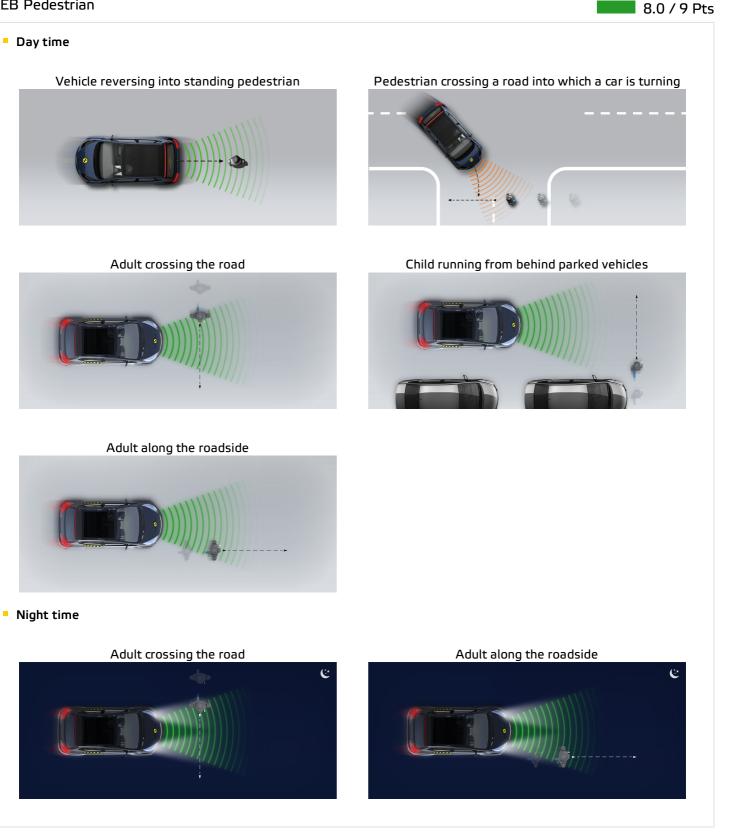
System Name	e Active Brake Assist	
Туре	Auto-Brake with Forward Collision Warning	
Operational From	7 km/h	



VULNERABLE ROAD USERS Ŕ

AEB Pedestrian

Total 41.3 Pts / 76%



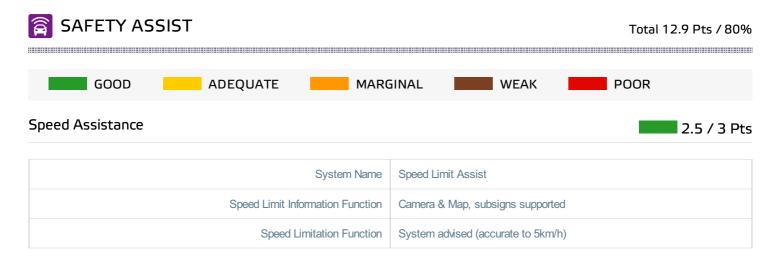


嫊 VULNERABLE ROAD USERS

Total 41.3 Pts / 76% **AEB** Cyclist 7.6 / 9 Pts Cyclist from nearside, obstructed view Cyclist crossing Cyclist along the roadside Comments

The EQS has an 'active bonnet'. Sensors in the bumper detect when a pedestrian has been hit and actuators lift the bonnet to create more space between its surface and the hard components beneath. Daimler demonstrated that the system worked robustly for various pedestrian statures and over a wide range of speeds and, accordingly, the car was tested with the bonnet in the deployed, raised, condition. Protection of the head of a struck pedestrian was good, or at least adequate, over almost the entire area tested by Euro NCAP. Similarly, the bumper provided good protection to pedestrians' legs at all test points. However, pelvis protection was mixed, some test areas showing good protection and some poor. The autonomous emergency braking system of the EQS can detect vulnerable road users such as pedestrians and cyclists, as well as other vehicles. The system performed well in tests of its response to such road-users, with collisions avoided in most cases.





Occupant Status Monitoring

2.0 / 3 Pts

Seatbelt Reminder				1.0 / 2 P	
Applies To	Applies To Front and rear seats				
Warning	Driver Se	eat	Front Passenger(s)	Rear Passenger(s)	
Visual	٠		•	•	
Audible	٠		•	•	
Occupant Detection	_		•	_	
Pass Fail _ Not available					
Driver Monitoring				1.0 / 1 P	
System Name Attention Assist					
	Steering inputs				
Operational From 60 km/h					



SAFETY ASSIST

Total 12.9 Pts / 80%

Lane Support	3.3 / 4 Pts
System Name	Active Lane Keeping Assist
Туре	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

5.1 / 6 Pts

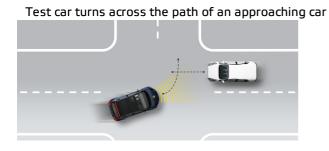
System Name	Active Brake Assist
Туре	Autonomous emergency braking and forward collision warning
Operational From	7 km/h
Sensor Used	camera and radar





Total 12.9 Pts / 80%

Autobrake function only



Approaching a stationary car

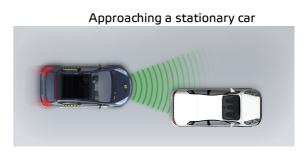


Approaching a slower moving car



Approaching a slower moving car

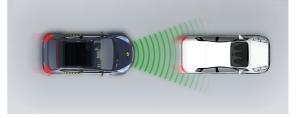




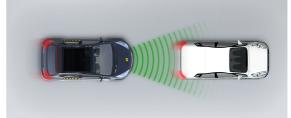
Approaching a stationary car



Approaching a slower moving car



Approaching a braking car







Total 12.9 Pts / 80%

Driver reacts to warning

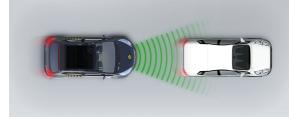




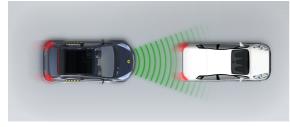
Approaching a stationary car

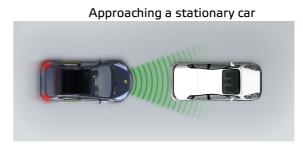


Approaching a slower moving car

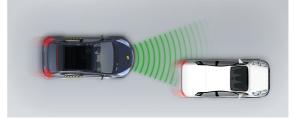


Approaching a braking car

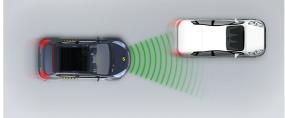




Approaching a slower moving car



Approaching a slower moving car





🛜 SAFETY ASSIST

Total 12.9 Pts / 80%

Comments

The EQS has a seatbelt reminder system for the front and rear seats. 'Attention Assist' monitors steering inputs to detect behaviour characteristic of fatigued driving and advises the driver to rest when necessary. A more advanced system featuring direct eye monitoring is available as an option but was not rated here. The lane support system gently corrects the vehicle's path when it is drifting out of lane and also intervenes in some more critical situations to stop the car from leaving the road, for example. A speed assistance system uses a camera and digital mapping to determine the local speed limit and provides the information to the driver, allowing the speed limiter to be set appropriately. The AEB system performed well in tests of its reaction to other cars.



RATING VALIDITY

Variants of Model Range

Body Type	Engine	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door hatchback	electric motor	EQS 450+ *	4 x 2	\checkmark	\checkmark
5 door hatchback	electric motor	EQS 350	4 x 2	\checkmark	~
5 door hatchback	electric motor	EQS 580 4MATIC	4 x 4	\checkmark	~

* Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome		
December 2021	Rating Published	2021 ★ ★ ★ ★	~	