



## Mercedes-EQ EQC

Standard Safety Equipment

2019



## Adult Occupant



96%

## Child Occupant



90%

## Vulnerable Road Users



75%

## Safety Assist



75%

## SPECIFICATION

Tested Model	Mercedes-EQ EQC 400 4MATIC - AMG Line
Body Type	- 5 door SUV
Year Of Publication	2019
Kerb Weight	2495kg
VIN From Which Rating Applies	- all EQCs
Class	Small SUV

 Rating Expired

 ADVANCED REWARDS

- 2011 - Mercedes-Benz Attention Assist
- 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	●	●	○

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

## 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	●	●	○
CHILD PROTECTION			
Isofix/i-Size	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

OTHER SYSTEMS	
Active Bonnet (Hood)	✗
AEB Pedestrian	●
AEB City	●
AEB Cyclist	●
AEB Inter-Urban	●
Speed Assistance System	●
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 36.6 Pts / 96%

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

## Frontal Offset Deformable Barrier 7.8 / 8 Pts



Passenger



Driver

## Frontal Full Width



Rear Passenger



Driver

## Whiplash Rear Impact 1.7 / 2 Pts



Front seat



Rear seat

## Lateral Impact



Car



Pole

 ADULT OCCUPANT

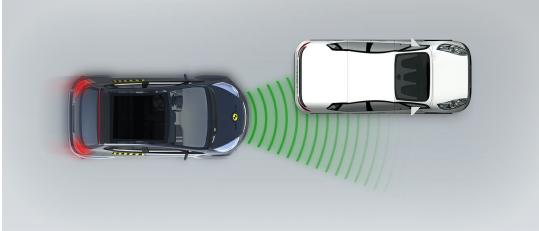
Total 36.6 Pts / 96%

 GOOD ADEQUATE MARGINAL WEAK POOR

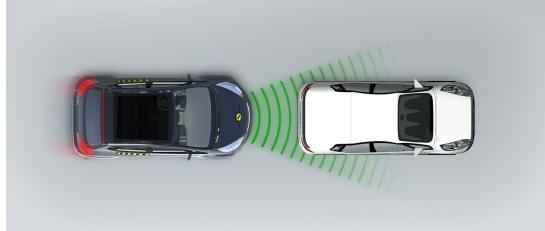
AEB City

 4.0 / 4 Pts

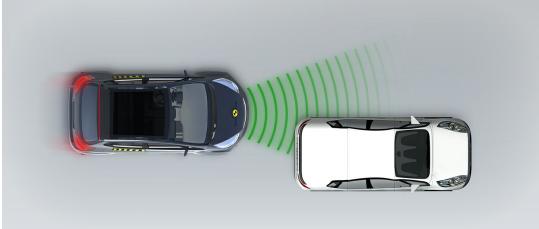
Approaching a stationary car: Left Offset



Approaching a stationary car: No Offset



Approaching a stationary car: Right Offset





## ADULT OCCUPANT

Total 36.6 Pts / 96%

## Comments

The passenger compartment of the EQC remained stable in the offset frontal test. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. Mercedes-Benz showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. For the passenger, protection of all critical body areas was good. Likewise, in the full-width rigid barrier test, protection of the driver was good for all critical body parts. For the rear passenger, dummy readings of chest compression indicated a marginal level of protection for this part of the body, with good or adequate protection elsewhere. In the side barrier impact, the EQC scored maximum points with good protection all-round. Dummy readings indicated good protection for all critical body areas in the more severe side pole test, too. However, a post-test inspection revealed that the upper hinge of the rear impacted-side door had broken, and the car was penalised. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric assessment of the rear seats indicated marginal whiplash protection. The standard-fit autonomous emergency braking (AEB) system performed well in tests at the low speeds at which many whiplash injuries occur, with collisions against another vehicle avoided or mitigated in all test scenarios.


**CHILD OCCUPANT**

Total 44.1 Pts / 90%



Crash Test Performance based on 6 &amp; 10 year old children

23.1 / 24 Pts

Frontal Impact	15.1 Pts	Lateral Impact	8 Pts
			

Restraint for 6 year old child: *Mercedes-Benz Kidfix XP*Restraint for 10 year old child: *Booster Cushion***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 &amp; 2wayFix (rearward) (iSize)



Maxi Cosi 2way Pearl &amp; 2wayFix (forward) (iSize)



BeSafe iZi Kid X2 i-Size (iSize)



BeSafe iZi Flex FIT i-Size (iSize)



## ■ ISOFIX CRS

Maxi Cosi Cabriofix &amp; FamilyFix (ISOFIX)



BeSafe iZi Kid X4 ISOfix (ISOFIX)



Britax Römer Duo Plus (ISOFIX)



Britax Römer KidFix XP (ISOFIX)



 CHILD OCCUPANT

Total 44.1 Pts / 90%

## ■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix &amp; EasyBase2 (Belt)



Britax Römer King II LS (Belt)



Britax Römer KidFix XP (Belt)



## Comments

In the frontal offset test, protection of all critical body regions was good for both child dummies, with the exception of the neck of the ten-year dummy where readings of neck tension indicated marginal protection. In the side barrier test, protection was good for all critical body areas for both dummies and the EQC scored maximum points in this part of the assessment. 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 B-Class is designed could be properly installed and accommodated.

 **CHILD OCCUPANT**

Total 44.1 Pts / 90%

	Seat Position			
	Front		2nd row	
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)	—	●	—	●
BeSafe iZi Kid X2 i-Size (iSize)	—	●	—	●
BeSafe iZi Flex FIT i-Size (iSize)	—	●	—	●
Maxi Cosi Cabriofix & FamilyFix (ISOFIX)	—	●	—	●
BeSafe iZi Kid X4 ISOfix (ISOFIX)	—	●	—	●
Britax Römer Duo Plus (ISOFIX)	—	●	—	●
Britax Römer KidFix XP (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyBase2 (Belt)	●	●	✗	●
Britax Römer King II LS (Belt)	●	●	●	●
Britax Römer KidFix XP (Belt)	●	●	●	●

 Easy

 Difficult

 Safety critical

 Not allowed

 Not available
**Comments**

In the frontal offset test, protection of all critical body regions was good for both child dummies, with the exception of the neck of the ten-year dummy where readings of neck tension indicated marginal protection. In the side barrier test, protection was good for all critical body areas for both dummies and the EQC scored maximum points in this part of the assessment. 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 B-Class is designed could be properly installed and accommodated.



## VULNERABLE ROAD USERS

Total 36.2 Pts / 75%

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

## VRU Impact Protection

24.9 / 36 Pts



## Head Impact

17.4 Pts

## Pelvis Impact

1.6 Pts

## Leg Impact

5.9 Pts

## Vulnerable Road Users

11.4 / 12 Pts

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

## Comments

The protection provided by the bonnet to the head of a struck pedestrian was good or adequate at almost all test locations. Protection of pedestrians' legs by the bumper was good or adequate. However, protection of the pelvis was predominantly poor. The AEB system can detect vulnerable road users like pedestrians and cyclists, as well other cars. Tests of its functionality demonstrated good performance.





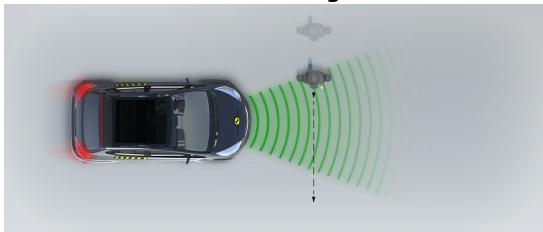
## VULNERABLE ROAD USERS

Total 36.2 Pts / 75%

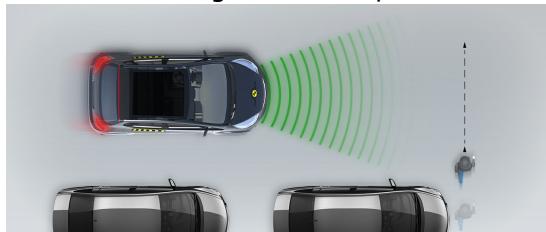
## AEB Pedestrian

## ■ Day time

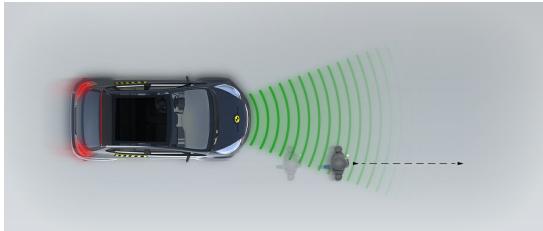
Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside



## ■ Night time

Adult crossing the road



Adult along the roadside

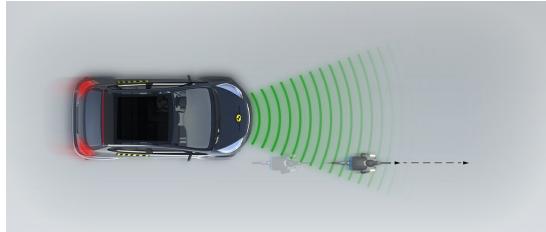


## AEB Cyclist

Approaching a crossing cyclist

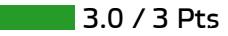


Cyclist along the roadside



 **SAFETY ASSIST**

Total 9.9 Pts / 75%


**Speed Assistance**
 3.0 / 3 Pts

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

**Seatbelt Reminder**
 2.5 / 3 Pts

Applies To	All Seats		
	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Warning			
Visual	●	●	●
Audible	●	●	●
Occupant Detection	—	●	—

 Pass  
  Fail  
  Not available
**Lane Support**
 2.0 / 4 Pts

System Name	Active Lane Keeping Assist
Type	ELK + LKA (including LDW)
Operational From	60 km/h

**PERFORMANCE**

Emergency Lane Keeping	 ADEQUATE
Lane Keep Assist	 MARGINAL
Human Machine Interface	 ADEQUATE

 SAFETY ASSIST

Total 9.9 Pts / 75%

## AEB Inter-Urban

 2.4 / 3 Pts

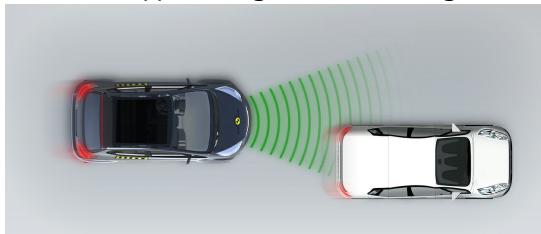
System Name	Active Brake Assist
Type	Autonomous Emergency Braking and Forward Collision Warning
Operational From	7 km/h

## Comments

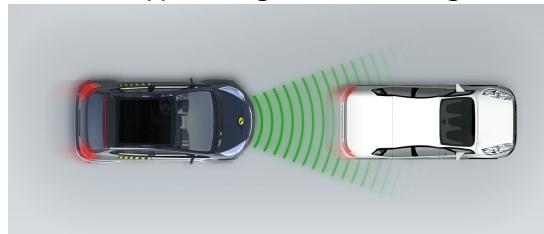
The AEB system performed well in tests of its response to other vehicles at highway speeds. The EQC has a seatbelt reminder system for the front and rear seats. A speed limit recognition system uses a camera and digital mapping to advise the driver of the local limit, and allows easy activation of the speed limiter. A lane support system helps the driver to avoid inadvertent drifting out of lane and also intervenes more aggressively in some certain critical situations.

**■ Autobrake function only**

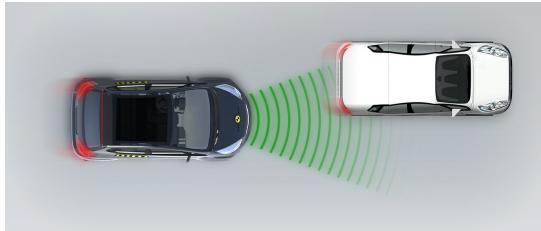
Approaching a slower moving car



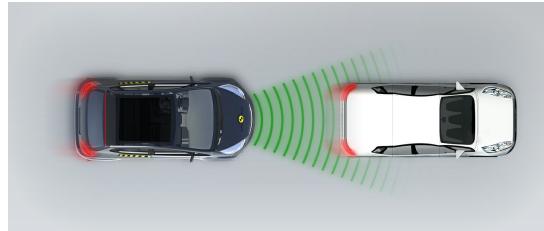
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car

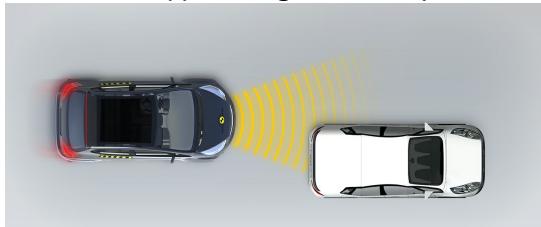


 SAFETY ASSIST

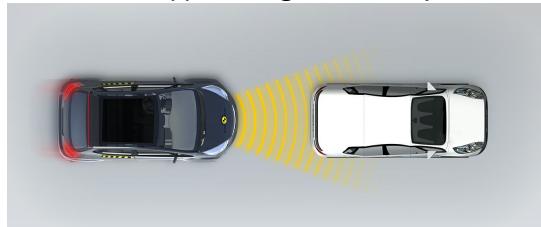
Total 9.9 Pts / 75%

## ■ Driver reacts to warning

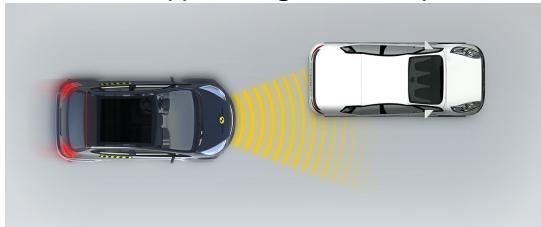
Approaching a stationary car



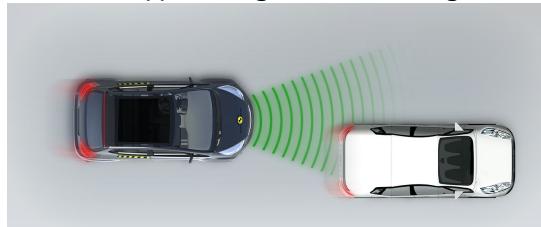
Approaching a stationary car



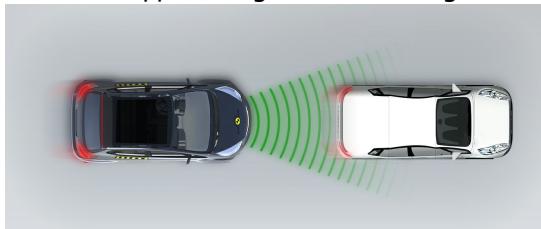
Approaching a stationary car



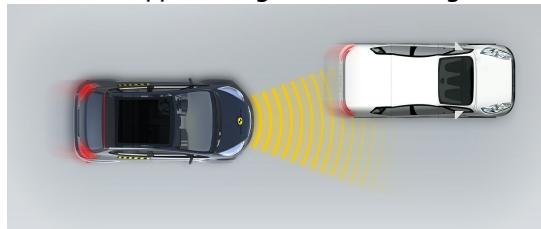
Approaching a slower moving car



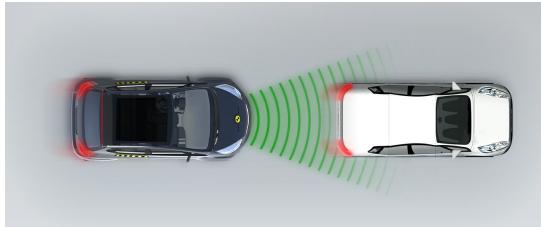
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



## RATING VALIDITY

## Variants of Model Range

Body Type	Engine & Transmission	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door SUV	400 electric	EQC 400 4MATIC*	4 x 4	✓	✓

\* Tested variant

## Annual Reviews and Facelifts

Date	Event	Outcome	
September 2019	Rating Published	2019 	✓
September 2020	Annual Review	2019 	✓
September 2021	Annual Review	2019 	✓