

 **Mercedes-EQ EQE**
Active Distance Assist DISTRONIC

2022


VERY GOOD



ASSISTANCE
COMPETENCE

85%

SAFETY
BACKUP



100%

SPECIFICATION

SYSTEM NAME	Active Distance Assist DISTRONIC
Version Tested	EQE 350+
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	●
AEB Vulnerable Road User	●
Lane Support Systems	●
Speed Assistance Systems	●

Comments

Mercedes-Benz's appropriately named 'Active Distance Assist DISTRONIC' accurately portrays system functionality. The promotional material and the handbook correctly indicate the limitations of the system capabilities. System status information is clearly displayed in the driver's direct line of sight by a head-up display. The Mercedes-Benz has an internal camera to check for 'microsleep' and combines this information with steering wheel input to monitor driver status. The system balances driver steering input with lane guidance.

The EQE combines map-based speed limit information with real time camera inputs to manage fixed, variable and temporary speed limit signs. The system adapts speed for upcoming road features such as curves and junctions. The EQE responds to avoid a collision in most of the ACC test scenarios. The driver is supported through the S-Bend, staying within the lane at all test speeds. The vehicle has an Active Blindspot system designed to prevent lane changing into adjacent vehicles. A lane-change assist function is provided. In case of an unresponsive driver, the EQE automatically moves to the slowest lane and performs a controlled stop. If the radar or camera are blocked the EQE provides a timely warning and prevents system activation.

The EQE from Mercedes-EQ provides very good Vehicle Assistance with a similar level of Driver Engagement. Combined with excellent safety back-up, the system, overall, offers Very Good highway assistance.

ASSISTANCE COMPETENCE

Total 85%

DRIVER ENGAGEMENT

85.0 / 100 Pts

CONSUMER INFORMATION 25.0 / 25 Pts

SYSTEM NAME	Active Distance Assist DISTRONIC
MARKETING MATERIAL	Active Distance Assist DISTRONIC Mercedes-EQ Viewed 30 September 2022
QUICK START GUIDE	
VEHICLE HANDBOOK	Viewed 30 September 2022

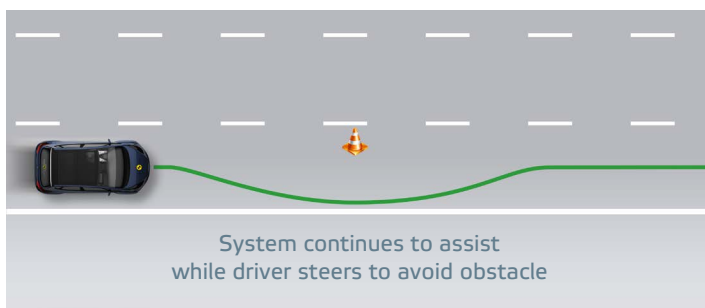
SYSTEM STATUS 25.0 / 25 Pts

Continuous System Status Indicator	
System Status Change Indicator	

DRIVER MONITORING 10.0 / 25 Pts

DRIVING COLLABORATION 25.0 / 25 Pts

Steering to avoid an obstacle



GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

ASSISTANCE COMPETENCE

Total 85%

VEHICLE ASSISTANCE

96.5 / 100 PTS

SPEED ASSISTANCE 23.9 / 25 Pts

SPEED ASSIST SYSTEMS

Vehicle response to fixed Speed limits	At speed at sign
Vehicle response to variable Speed limits	At speed at sign

ROAD FEATURES

Speed adaptation for corners



Speed adaptation for roundabouts



Speed adaptation for junctions



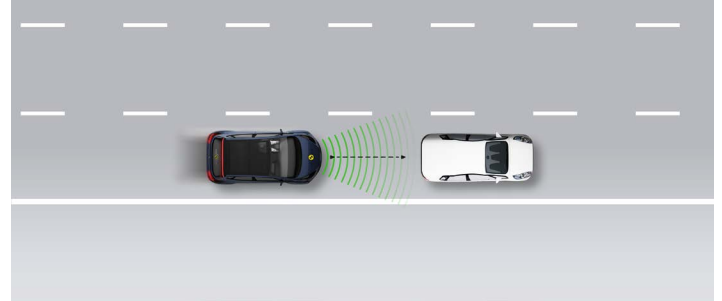
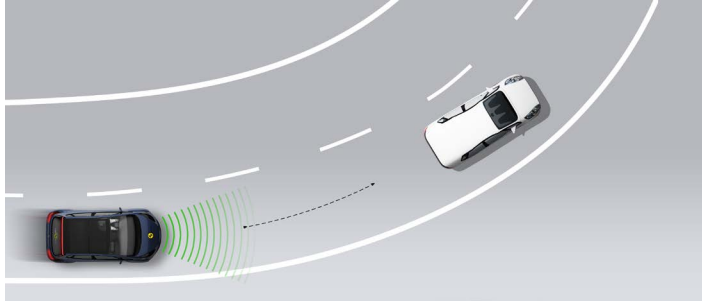
● FITTED TO THE VEHICLE
 — NOT AVAILABLE

ASSISTANCE COMPETENCE

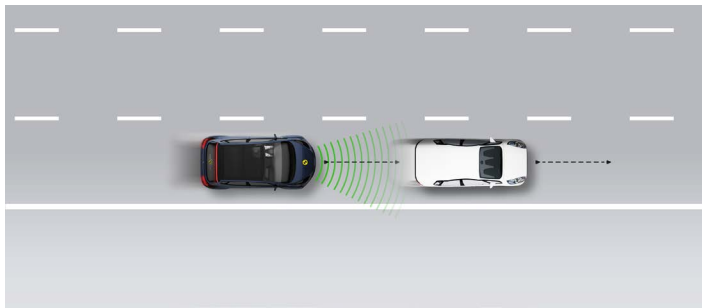
Total 85%

ADAPTIVE CRUISE CONTROL PERFORMANCE 37.6 / 40 Pts

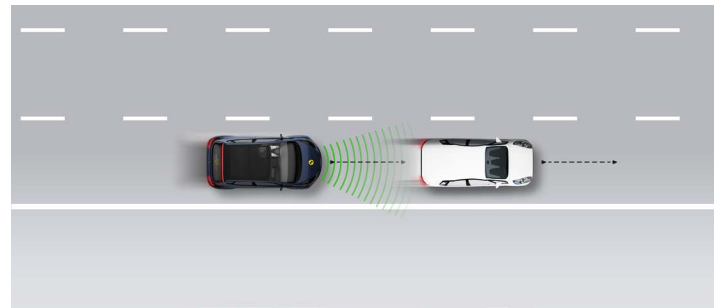
Approaching a stationary car



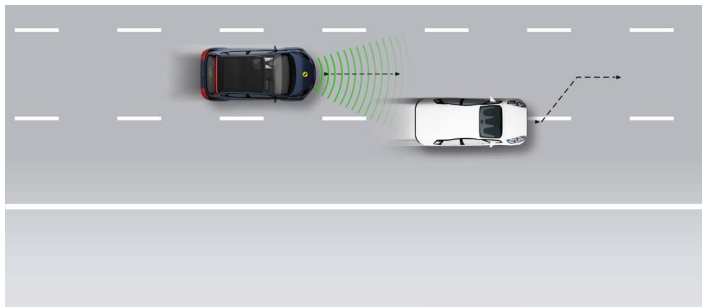
Approaching a slower moving car



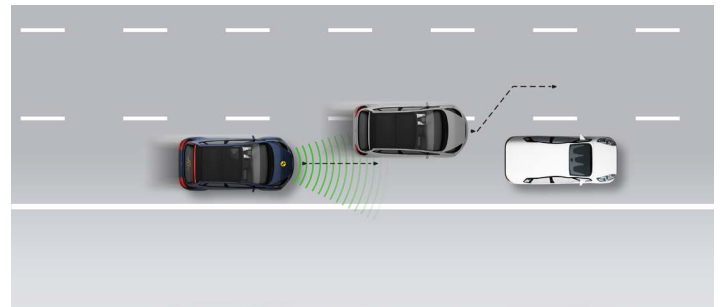
Approaching a braking car



Car cutting-in in front



Car cutting-out in front



UNDERTAKE PREVENTION	
Undertake prevention at speeds over 90 km/h	●

ADAPTIVE CRUISE CONTROL AUTO-RESUME	
Assistance maintained after coming to a full stop	●
System assistance maintained by	Automatic resume with collision prevention by external sensors





 ASSISTANCE COMPETENCE

Total 85%

STEERING ASSISTANCE  35.0 / 35 Pts

Steering in an S-curve



80 km/h	
100 km/h	
120 km/h	
Lane Change Assist	

SAFETY BACKUP

Total 100%

SYSTEM FAILURE 25.0 / 25 Pts

	ENGAGEMENT	WARNING
SENSOR BLOCKED AT START-UP		
Camera	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
Radar	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
SENSOR BLOCKED WITH VEHICLE IN MOTION, SYSTEM INACTIVE		
Camera	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
Radar	After a 5 minute drive	After sensor blocking
SENSOR BLOCKED WITH VEHICLE IN MOTION, SYSTEM ACTIVE		
Camera	Within 2 minutes after blocking	After sensor blocking
Radar	After sensor blocking	After sensor blocking

UNRESPONSIVE DRIVER INTERVENTION 25.0 / 25 Pts

Hands Off Warning Timeline

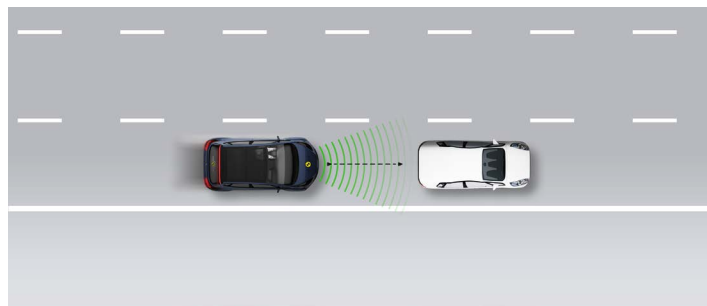
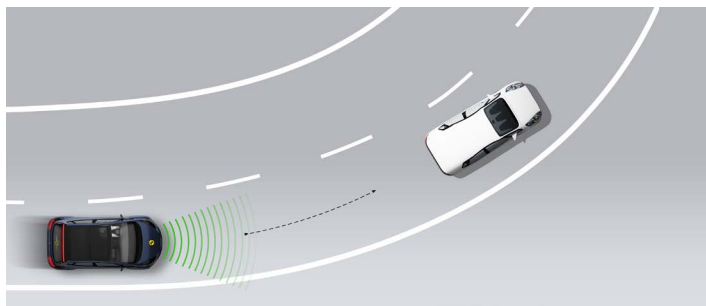


 SAFETY BACKUP

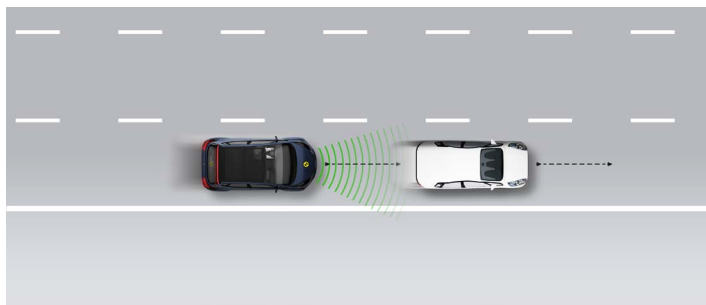
Total 100%

COLLISION AVOIDANCE  50.0 / 50 Pts

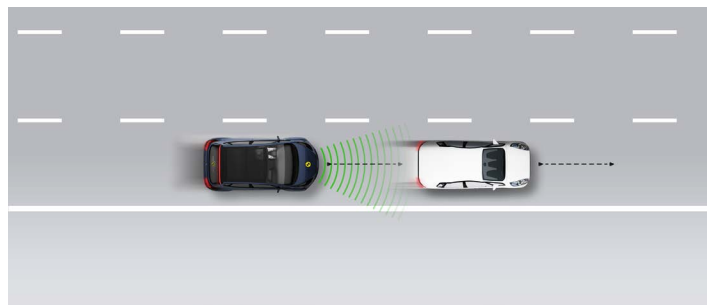
Approaching a stationary car



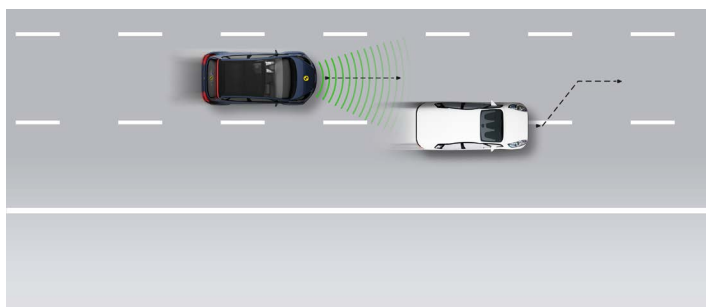
Approaching a slower moving car



Approaching a braking car



Car cutting-in in front



Car cutting-out in front

