

Mercedes-Benz B-Class

Mercedes-Benz B220 CDI, LHD

2011



97%

ADULT OCCUPANT



81%

CHILD OCCUPANT



56%

PEDESTRIAN



86%

SAFETY ASSIST

ADULT OCCUPANT

Total 35 pts | 97%

FRONTAL IMPACT

15,8 pts



Driver



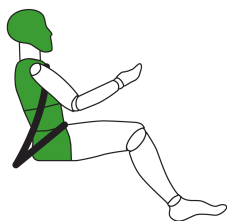
Passenger

SIDE IMPACT CAR

8 pts

SIDE IMPACT POLE

7,7 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,5 pts



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

FRONTAL IMPACT

HEAD

Driver airbag contact stable

Passenger airbag contact stable

CHEST

Passenger compartment stable

Windscreen Pillar rearward 4mm

Steering wheel rearward none

Steering wheel upward none

Chest contact with steering wheel none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard none

Concentrated loads on knees none

LOWER LEGS AND FEET

Footwell Collapse none

Rearward pedal movement clutch - 58mm

Upward pedal movement clutch - 21mm

SIDE IMPACT

Head protection airbag Yes

Chest protection airbag Yes

WHIPLASH

Seat description Standard cloth, 6 way manual

Head restraint type Passive

Geometric assessment 1 pts

TESTS

- High severity 2,5 pts

- Medium severity 2,5 pts

- Low severity 2,6 pts

CHILD OCCUPANT

Total 40 pts | 81%

18 MONTH OLD CHILD

Restraint Romer BabySafe ISOFIX Plus
Group 0, 0+
Facing rearward
Installation ISOFIX anchorages and support frame



PERFORMANCE **11,2 pts**
 INSTRUCTIONS **4 pts**
 INSTALLATION **2 pts**

FRONTAL IMPACT

Head forward movement protected
 Head acceleration good
 Chest load good

SIDE IMPACT

Head containment protected
 Head acceleration good

3 YEAR OLD CHILD

Restraint Romer Duo Plus
Group 1
Facing forward
Installation ISOFIX anchorages and top tether



PERFORMANCE **10,5 pts**
 INSTRUCTIONS **4 pts**
 INSTALLATION **2 pts**

FRONTAL IMPACT

Head forward movement protected
 Head acceleration good
 Chest load fair

SIDE IMPACT

Head containment protected
 Head acceleration good

VEHICLE BASED ASSESSMENT

6 pts

Airbag warning Label

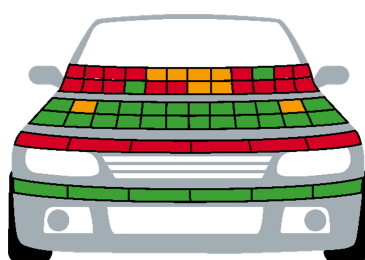
Text and pictogram warning label on both sides of passenger sun visor

PEDESTRIAN

Total 20 pts | 56%

SAFETY ASSIST

Total 6 pts | 86%



GOOD
 MARGINAL
 POOR

HEAD 14,1 pts
 PELVIS 0 pts
 LEG 6 pts

SPEED LIMITATION ASSISTANCE 0 pts

Not assessed

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- ESP Pass
 Yaw rate ratio (1.00s) 2,35 %
 Yaw rate ratio (1.75s) 1,29 %
 Lateral displacement (1.07s) 2,84 m

SEATBELT REMINDER 3 pts

- driver Pass
 - passenger Pass
 - rear Pass

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Mercedes-Benz B220 CDI, LHD
Body type	5 door
Year of publication	2011
Kerb weight	1475kg
VIN from which rating applies	applies to all B Class of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	also rear outboard pretensioners
Front seatbelt load limiters	also rear outboard load limiters
Driver frontal airbag	dual stage
Front passenger frontal airbag	dual stage
Side body airbags	
Side head airbags	
Driver knee airbag	
Electronic Stability Control	
Seatbelt Reminder	driver, passenger and rear seats

COMMENTS

Adult occupant

The B-Class Coupe is fitted as an option with Mercedes Benz's 'PRE-SAFE'® system which primes the restraint and protection systems in readiness for a collision. In Euro NCAP's frontal and side barrier impacts, the PRE-SAFE® System was not activated. In the frontal impact, the B Class scored maximum points for its protection of the driver with all body areas being well protected. For the passenger, good protection was provided in all body areas except for the lower legs, protection of which was rated as adequate. Mercedes-Benz showed that good protection would also be provided to the knees and femurs of occupants of different sizes and to those sat in different positions. In the side barrier test, the B Class scored maximum points, all body areas being well protected. In the more severe side pole test, protection of the chest was adequate and that of all other body areas was good. The front seat and head restraint provided good protection against whiplash injuries in the event of a rear end collision.

Child occupant

In the frontal impact, forward movement of the 3 year dummy, sat in a forward facing restraint, was not excessive. In the side impact, both dummies were properly contained within the protective shells of their restraints, minimising the likelihood of dangerous head contacts. The passenger airbag can be disabled only for Mercedes Benz child restraints if the car is equipped with an optional, automatic-detect system known as CPOD. The system does not meet Euro NCAP's requirements and was not rewarded. The dangers of using a rearward-facing child restraint in the passenger seat without first disabling the airbag are clearly explained in the car.

Pedestrian

The bumper scored maximum points, providing good protection to pedestrians' legs in all areas tested. However, the front edge of the bonnet provided poor protection and scored no points. In most areas likely to be struck by the head of a child, the bonnet provided good protection but was predominantly poor in those areas where an adult's head might strike.

Safety assist

Electronic stability control is standard equipment and met Euro NCAP's test requirements. A seatbelt reminder is standard for the driver, passenger and rear seats. A driver-set speed limitation device is available as an option but did not meet Euro NCAP's fitment requirements for assessment in 2011.