

Mercedes-Benz V-Class

Mercedes-Benz V-Class 2.2 diesel

2014 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 34 pts | 93%

FRONTAL IMPACT

15,8 pts



Driver



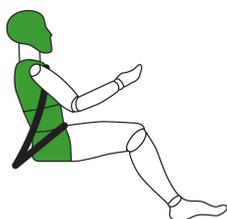
Passenger

SIDE IMPACT CAR

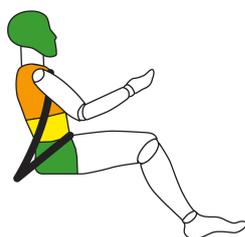
8 pts

SIDE IMPACT POLE

6,4 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,7 pts



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	2mm
Steering wheel rearward	none
Steering wheel upward	4mm
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	Brake - 22.37mm
Upward pedal movement	Brake - 24.21mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard cloth, 4 way manual
Head restraint type	Passive
Geometric assessment	3,7 pts

TESTS

- High severity	0 pts
- Medium severity	0 pts
- Low severity	0 pts

TEST RESULTS

CHILD OCCUPANT

Total 43 pts | 87%

18 MONTH OLD CHILD

Restraint Römer BabySafe + ISOFIX Base
Group 0+
Facing Rearward Facing
Installation ISOFIX and Supportleg



PERFORMANCE 12 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 Römer Duo Plus
Group I
Facing Forward Facing
Installation ISOFIX and TopTether



PERFORMANCE 12 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

VEHICLE BASED ASSESSMENT

7 pts

Airbag warning Label

ECE 94 label on both sides of passenger sun visor

PEDESTRIAN

Total 20 pts | 67%



GOOD
ADEQUATE
MARGINAL
WEAK
POOR

HEAD 14,1 pts
PELVIS 0 pts
LEG 6 pts

SAFETY ASSIST

Total 6 pts | 85%

SPEED LIMITATION ASSISTANCE 1 pts

- Active, Optional (meeting fitment requirements) Pass

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- ESP9i Pass
 Yaw rate ratio (1.00s) 2,89 %
 Yaw rate ratio (1.75s) 2,94 %
 Lateral displacement (1.07s) 2,60 m

SEATBELT REMINDER 2 pts

- driver Pass
 - passenger Pass
 - rear Not Available

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Mercedes-Benz V-Class 2.2 diesel
Body type	Van
Year of publication	2014
Kerb weight	2205kg
VIN from which rating applies	applies to all Vito and V-Class of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners
Front seatbelt load limiters
Driver frontal airbag
Front passenger frontal airbag
Side body airbags

Side head airbags
Speed Limitation Assistance
Electronic Stability Control
Seatbelt Reminder

EURO NCAP ADVANCED REWARDS

2011 - Mercedes-Benz Collision Prevention Assist
 2011 - Mercedes-Benz Attention Assist
 2010 - Mercedes-Benz PRE-SAFE®



COMMENTS

Adult occupant

The passenger compartment of the V-Class remained stable in the frontal impact. Protection of the passenger was good in for all body areas. Dummy readings showed 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 sat in different positions. The V-Class scored maximum points in the side barrier test, with good protection of all body areas. However, in the more severe side pole impact, dummy readings of rib deflection indicated marginal protection of the chest. A geometric assessment of the front and rear seats indicated good protection against whiplash in the event of a rear-end collision.

Child occupant

The V-Class scored maximum points for its protection of both the 1½ and 3 year dummies in the dynamic tests. 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 head contact with parts of the vehicle interior. The child restraints were properly labelled with all relevant safety information. The passenger airbag is automatically disabled when a rearward-facing child restraint is placed on the passenger seat. The system is different from previous Mercedes-Benz systems which only worked with specific seats. As the system is not standard equipment, it was not assessed for this rating.

Pedestrian

Owing to the height and geometry of the front of the V-Class, no tests were performed against the front edge of the bonnet. The protection provided against head injury on the bonnet surface was mostly in the range from marginal to good, with poor results recorded on the stiff windscreen pillars. The bumper scored maximum points in Euro NCAP's tests, offering good protection to pedestrians' legs.

Safety assist

The V-Class has electronic stability control as standard equipment and the system met Euro NCAP's test requirements. A seatbelt reminder is standard for the driver and, for the passenger seat, is expected to be on most cars sold so the system was assessed and rewarded. A driver-set speed limitation device is available as an option. As the great majority of vehicles will be equipped with the system, it was assessed and met Euro NCAP's requirements for speed-limiters of this type.