

TEST RESULTS

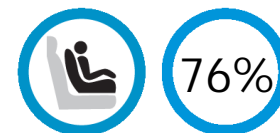
Kia Carens

Kia Carens 1.7 diesel EX, LHD

2013



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 34 pts | 94%

FRONTAL IMPACT

15,2 pts



Driver



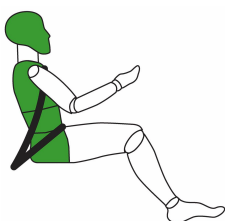
Passenger

SIDE IMPACT CAR

8 pts

SIDE IMPACT POLE

7,2 pts



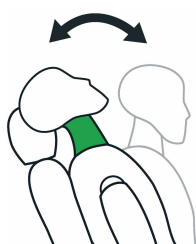
Car



Pole

REAR IMPACT (WHIPLASH)

3,6 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	7mm
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 - 74.3mm
Upward pedal movement	Brake - 40.1mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard cloth, 4 way manual
Head restraint type	Passive
Geometric assessment	1 pts

TESTS

- High severity	2,5 pts
- Medium severity	2,8 pts
- Low severity	2,7 pts

CHILD OCCUPANT

Total 37 pts | 76%

CRASH TEST PERFORMANCE

18 MONTH OLD CHILD

Restraint Britax-Römer BabySafe Plus
Facing rearward facing
Installation ISOFIX and Supportleg



PERFORMANCE **12 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 Maxi-Cosi Pearl
Facing forward facing
Installation ISOFIX and Supportleg



PERFORMANCE **6,5 pts**

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load fair

SIDE IMPACT

Head containment vulnerable
Head acceleration good

CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isifix

Safety features score **7 pts**
Installation check score **12 pts**

Pass Install without problem
Partial Fail Install with care
Fail Safety critical problem
Exempt Installation not allowed

	SEAT POSITION							
	FRONT		2nd ROW			3rd ROW		
	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
Maxi Cosi Cabriofix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	Pass	N/A	Pass
Römer King Plus (Seatbelt)	N/A	Pass	Pass	Pass	Pass	Pass	N/A	Pass
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer KidFix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	Pass	N/A	Pass
Maxi Cosi Cabriofix and EasyFix (Seatbelt)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Maxi Cosi Cabriofix and EasyFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
BeSafe iZi Kid X3 ISOfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Maxi Cosi Pearl and Familyfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer KidFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
()	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Maxi Cosi Pearl and Familyfix ()	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt

PEDESTRIAN

Total 23 pts | 64%



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

HEAD	15,4 pts
PELVIS	1,7 pts
LEG	6 pts

SAFETY ASSIST

Total 7 pts | 81%

SPEED ASSISTANCE SYSTEM 1,3 pts

Standard	
Speed Information	
Speed Assistance (Manual)	Pass

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- ESC	Pass
Yaw rate ratio (1.00s)	4,30 %
Yaw rate ratio (1.75s)	3,19 %
Lateral displacement (1.07s)	2,73 m

SEATBELT REMINDER 3 pts

- driver and passenger	Pass
- rear	Pass

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Kia Carens 1.7 diesel EX, LHD
Body type	5 door MPV
Year of publication	2013
Kerb weight	1555kg
VIN from which rating applies	applies to all Carens 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

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. Kia showed that a similar level of protection would be provided to occupants of different sizes and to those sat in different positions. In the side barrier test, the Carens scored maximum points, showing good protection of all body regions. In the more severe side pole test, dummy readings of rib compression indicated a marginal level of protection for the chest. The seat and head restraint provided good protection against whiplash injury in the event of a rear-end collision.

Child occupant

Based on dummy readings in the dynamic tests, the Carens scored maximum points for its protection of the 1½ year dummy. In the frontal impact, forward movement of the head of the 3 year dummy, sat in a forward-facing seat, was not excessive. However, in the side impact the head of the 3 year dummy was not properly contained within the protective shell of the child restraint, making the head vulnerable to contact with parts of the car interior. The 1½ year dummy was contained in the side impact. The passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. All of the child restraint types for which the car is designed could be properly installed and accommodated in the car.

Pedestrian

The bumper scored maximum points for its protection of pedestrians' legs, and scored maximum points. The front edge of the bumper gave predominantly marginal protection the pelvic region of a struck pedestrian. Head protection was adequate over much of the bonnet surface and windscreen, apart from the stiff windscreen pillars.

Safety assist

Electronic stability control is fitted as standard on the Carens, and met Euro NCAP's test requirements. A seatbelt reminder system is fitted for the front seats and all rear seats, including third-row seats in seven-seater versions. The Carens also has a driver-set speed limitation device which met Euro NCAP's requirements for such systems.