

Crash Test Results

New Car Safety

RENAULT KANGOO (2 AIRBAGS)

2011-December 2022

Dual front airbags*



ANCAP
Rated ★★★★★

Occupant Protection

* Safety equipment, as tested, not standard in Australia

Occupant Protection Score 27.73 out of 37

Variant: Expression

Eng: 1.5 diesel

Kerb mass 1430 kg

Category: VAN - SMALL

Vehicles built: 2008-December 2022

Tested by Euro NCAP

Important note: The *diesel left-hand-drive* European model *with dual airbags* was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

Model History and Safety Features

The tested model of Renault Kangoo was introduced in Australia during 2011.

A driver airbag and antilock brakes (ABS) with electronic brakeforce distribution (EBD) and Emergency Brake Assist (EBA) are standard. A passenger airbag is optional in Australia and this ANCAP rating applies to models with this option. Side airbags and electronic stability control (ESC) are also optional. An intelligent seat belt reminder is fitted to the driver seat.

Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash.

OCCUPANT PROTECTION: 4 Stars

The Kangoo scored 12.73 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest injury was marginal for the driver and passenger.

The vehicle scored 14 out of 16 in the side impact crash test. There was a moderate risk of serious chest injury for the driver.



Offset crash test at 64km/h

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.13 pts, upper legs 3 pts, lower legs 3.6 pts.

The passenger compartment held its shape well in the offset crash test. The clutch pedal moved rearwards by 86 mm and upwards 28 mm. The steering wheel hub moved 32 mm rearward, 14 mm upward and 11 mm sideways. The front ("A") pillar moved 43 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with high manual effort.

The airbag cushioned the head of the driver and contact was stable. Steering column components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4 pts, chest 2. pts, abdomen 4 pts, pelvis 4 pts.

The vehicle was not eligible for an optional pole impact test because it lacked head-protecting side airbags.

PEDESTRIAN PROTECTION: MARGINAL*

The bumper scores maximum points for its protection of pedestrians' legs but the front edge of the bonnet scored zero. The bonnet surface was rated as predominantly poor for the protection it offered to the head of a pedestrian.

PEDESTRIAN PROTECTION	Child head impacts	3.38
MARGINAL	Adult head impacts	5
	Upper leg impacts	Zero
	Lower leg impacts	6
	Total (out of 36)	14.38

* Based on tests to a previous protocol. Scores might vary under the latest test protocol.



PASS
MARGINAL
FAIL

SEPTEMBER 2011

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kangoo11.doc

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ANCAP
Crash testing for safety

AUSTRALASIAN
NEW CAR ASSESSMENT
PROGRAM

TECHNICAL DATA - RENAULT KANGOO (2 AIRBAGS) - From 2011

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.2)		Side Impact Crash Test at 50km/h (v4.2)
	Driver	Passenger	Driver
Head HIC	427	458	45
Acceleration (g for 3ms)	51.5	53.7	26.7
Neck - Shear (kN)	0.56	1.02	-
Tension (kN)	1.41	1.93	-
Extension (Nm)	7.3	28.9	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	35.12	33.27	6.12
Viscous criterion (m/s)	0.14	0.18	0.03
Abdomen - Force (kN)	-	-	0.990
Pelvis - Force (kN)	-	-	2.670
Upper legs Force (kN)	Left	0.98	2.04
	Right	0.46	2.55
Knee displ (mm)	Left	0.00	0.00
	Right	0.00	0.00
Lower legs Force (kN)	Left	1.53	1.30
	Right	1.40	1.15
Index (Upper/Low)	Left	0.49 /0.22	0.36 /0.32
	Right	0.45 /0.26	0.37/0.18

Bonus points (maximum 5)

Pole Test: Not eligible

Seat belt reminders: 1 (see table below for details)

Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable loading	1 pt deduction Left & Right
Lower leg	No deduction
Foot score	Score 4 points

Modifiers - deductions from side impact test scores

Chest T12 spine loads	2 pt deduction
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Safety features

These specifications are subject to change. Please check with manufacturer for the latest specifications.

Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	S/S/S
Passenger front airbag	O √	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	O#
Side airbags, front seats - chest protection	O	3 point centre rear seat belt	S
Side airbags, front seats - head protection	X	Whiplash protection	Not rated
Side airbags, rear seats - head protection	X	Intelligent seat belt reminder - driver	S
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	X
Seat belt pretensioners (Front/Rear outboard)	S/X	Intelligent seat belt reminder - rear seats	X

Key: √ = Fitted to vehicle that was crash tested

S = standard on all variants

O = optional on base variant. May be standard on higher variants

V= not available on base variant but standard or optional on higher variants

X = not available on any variant

ESC required by ANCAP for 5 star rating from 2008

