

KIA NIRO

NZ: JUNE 2022 - ONWARDS

AUS: JULY 2022 - ONWARDS

ALL VARIANTS



ANCAP

SAFETY

TESTED
2022



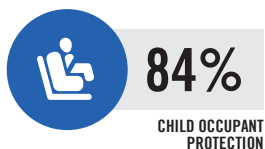
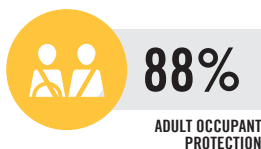
RATING YEAR	2022
VEHICLE TYPE	Small SUV
ENGINE TYPE	Hybrid + PHEV + Battery Electric Vehicle (BEV)
BUILT FROM	April 2022
ON SALE FROM	NZ: June 2022 AUS: July 2022
SERIES	SG2
AIRBAGS	Dual frontal, side chest, side head, centre, driver knee



The Kia Niro was introduced in New Zealand in June 2022 and Australia in July 2022. This ANCAP safety rating applies to all variants.

Dual frontal, side chest-protecting and side head-protecting (curtain) airbags, as well as driver knee airbag, are standard. A centre airbag which provides added protection to front seat occupants in side impact crashes is also standard.

Autonomous emergency braking (Car-to-Car, Vulnerable Road User and Junction Assist) as well as a lane support system with lane keep assist (LKA), lane departure warning (LDW) and emergency lane keeping (ELK) and a speed assist system (SAS) are standard equipment. AEB Backover is available on higher variants.



RATING APPLICABILITY

VARIANT	BODY TYPE	ENGINE	DRIVETRAIN	AUS	NZ
Kia Niro S	5 door SUV	1.6 litre petrol HEV	2WD	✓	-
Kia Niro GT-Line	5 door SUV	1.6 litre petrol HEV	2WD	✓	✓
Kia Niro Light	5 door SUV	1.6 litre petrol HEV	2WD	-	✓
Kia Niro Earth	5 door SUV	1.6 litre petrol HEV	2WD	-	✓
Kia Niro Water	5 door SUV	1.6 litre petrol HEV	2WD	-	✓
Kia Niro GT-Line	5 door SUV	1.6 litre petrol PHEV	2WD	✓	✓
Kia Niro Light	5 door SUV	1.6 litre petrol PHEV	2WD	-	✓
Kia Niro Earth	5 door SUV	1.6 litre petrol PHEV	2WD	-	✓
Kia Niro Water	5 door SUV	1.6 litre petrol PHEV	2WD	-	✓
Kia Niro S	5 door SUV	Battery electric	2WD	✓	-
Kia Niro GT-Line	5 door SUV	Battery electric	2WD	✓	-
Kia Niro Light	5 door SUV	Battery electric	2WD	-	✓
Kia Niro Water	5 door SUV	Battery electric	2WD	-	✓

ADULT OCCUPANT PROTECTION



88%

33.71 POINTS
OUT OF 38

The passenger compartment remained stable in the frontal offset (MPDB) test. Protection of the driver's chest and lower legs was ADEQUATE. Brake pedal movement resulted in driver foot protection being rated MARGINAL. Structures in the dashboard were a potential source of injury for the driver and passenger and protection of the upper legs was rated MARGINAL. The passenger's upper legs were rated as MARGINAL and the lower legs ADEQUATE. Protection for all other critical body regions for both the driver and front passenger was GOOD.

The front structure of the Kia Niro presented a lower risk to occupants of an oncoming vehicle in the MPDB test (which evaluates vehicle-to-vehicle compatibility), and a 0.75 point penalty was applied.

In the full width frontal test, protection of the driver dummy was GOOD for all critical body areas. Protection was ADEQUATE for the chest of the rear passenger with GOOD protection offered for all other critical body regions.

In the side impact test and the oblique pole test, protection offered to all critical body regions was GOOD and the vehicle scored maximum points in these tests.

The Kia Niro is equipped with a centre airbag to protect against occupant-to-occupant interaction in side impact crashes and it provided GOOD protection for the head of both front seat occupants. Prevention of excursion (movement towards the other side of the vehicle) in the far side impact tests was assessed as ADEQUATE for the vehicle-to-vehicle impact scenario and MARGINAL for the vehicle-to-pole scenario.

A Rescue Sheet providing information for first responders in the event of a crash is available, and a multi-collision braking system is fitted.

FRONTAL OFFSET (MPDB)#	4.99	(out of 8)
FULL WIDTH FRONTAL#	7.83	(out of 8)
SIDE IMPACT#	6.00	(out of 6)
OBLIQUE POLE#	6.00	(out of 6)
WHIPLASH PROTECTION	3.40	(out of 4)
FAR SIDE IMPACT	3.50	(out of 4)
RESCUE & EXTRICATION	2.00	(out of 2)

Scaled scores. Total test scored out of 16.00 points.

FRONTAL OFFSET (MPDB) (50km/h)



DRIVER

Head / neck:	4.00 pts
Chest:	2.68 pts
Upper legs:	2.00 pts
Lower legs:	2.04 pts
Deductions:	-1.00 pts (variable contact)
	-1.00 pts (concentrated load)

FRONT PASSENGER

Head / neck:	4.00 pts
Chest:	4.00 pts
Upper legs:	2.00 pts
Lower legs:	3.17 pts
Deductions:	Nil

COMPATIBILITY

Deductions:	-0.75 pts
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FULL WIDTH FRONTAL (50km/h)



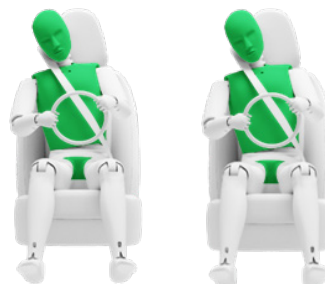
DRIVER

Head:	4.00 pts
Neck:	4.00 pts
Chest:	4.00 pts
Upper legs:	4.00 pts
Deductions:	Nil

REAR PASSENGER

Head:	4.00 pts
Neck:	4.00 pts
Chest:	3.31 pts
Upper legs:	4.00 pts
Deductions:	Nil

SIDE IMPACT OBLIQUE POLE



SIDE IMPACT (MDB) (60km/h)

Head:	4.00 pts
Chest:	4.00 pts
Abdomen:	4.00 pts
Pelvis:	4.00 pts
Deductions:	Nil

OBLIQUE POLE (32km/h)

Head:	4.00 pts
Chest:	4.00 pts
Abdomen:	4.00 pts
Pelvis:	4.00 pts
Deductions:	Nil

FAR SIDE IMPACT



SIDE IMPACT (MDB)

Head:	4.00 pts
Neck:	4.00 pts
Chest & Abdomen:	4.00 pts
Pelvis:	No penalty

OBLIQUE POLE

Head:	3.00 pts
Neck:	3.00 pts
Chest & Abdomen:	3.00 pts
Pelvis:	No penalty

OCCUPANT-TO-OCCUPANT

Head contact:	No penalty
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RESCUE & EXTRICATION

Rescue Sheet	●	No penalty
Door Opening / Extrication	●	No penalty
Multi-Collision Braking	●	1.00 pt
Advanced eCall	✗	1.00 pt default

WHIPLASH (REAR IMPACT) PROTECTION



Driver / front passenger:	2.77 pts
Rear passenger:	0.63 pts



84%

41.62 POINTS
OUT OF 49

In the frontal offset test, dummy readings indicated GOOD protection for all critical body areas of both child dummies, apart from the neck of the 10 year dummy where protection was rated as ADEQUATE.

In the side impact test, protection of the head of the 10 year dummy was WEAK while that of other body areas of both the 6 year and 10 year dummies was GOOD.

The Kia Niro is fitted with lower ISOFix anchorages for rear outboard seats and top tether anchorages for all rear seating positions.

Installation of typical child restraints available in Australia and New Zealand showed most child restraints could be accommodated in most rear seating positions, however the Type A capsule, one of the selected Type A convertible seats in rearward facing mode, and one of the selected booster seats could not be correctly installed in the centre rear seating position.

DYNAMIC TEST (FRONT)	15.87 (out of 16)
DYNAMIC TEST (SIDE)	6.32 (out of 8)
RESTRAINT INSTALLATION	11.43 (out of 12)
ON-BOARD SAFETY FEATURES	8.00 (out of 13)

FRONTAL OFFSET (MPDB) (50km/h)



6 YEAR OLD

10 YEAR OLD

SIDE IMPACT (60km/h)



10 YEAR OLD

6 YEAR OLD

ON-BOARD SAFETY FEATURES

FEATURE	FRONT PASSENGER	2nd ROW OUTBOARD	2nd ROW CENTRE	3rd ROW OUTBOARD	3rd ROW CENTRE
ISOFix	×	●	×	-	-
Integrated child restraints	×	×	×	-	-
Top tether anchorage	×	●	●	-	-
Airbag disabling	×	-	-	-	-

● FITTED TO TEST CAR AS STANDARD ● NOT FITTED TO TEST CAR BUT AVAILABLE AS AN OPTION × NOT AVAILABLE - NOT APPLICABLE

GOOD ADEQUATE MARGINAL WEAK POOR

NOTE: The child restraints fitted to vehicles tested by Euro NCAP are relevant to the European market. For Australasian consumers, this information should be used as a guide to vehicle features only. The Child Restraint Evaluation Program (CREP) provides an independent assessment on the safety of Australasian child restraints - see www.childcarseats.com.au.



84%

41.62 POINTS
OUT OF 49

CHILD RESTRAINT INSTALLATION*

CHILD RESTRAINT (CRS) TYPE [^]		FRONT ROW	2nd ROW			3rd ROW			
		PASSENGER	LEFT	CENTRE	RIGHT	LEFT	CENTRE	RIGHT	
BELTED	TYPE A	Rearward facing capsule	×	●	●	●	-	-	-
	TYPE A	Rearward facing with harness - convertible (Model A)	×	●	●	●	-	-	-
		Rearward facing with harness - convertible (Model B)	×	●	●	●	-	-	-
	TYPE B	Forward facing with harness - convertible (Model A)	×	●	●	●	-	-	-
		Forward facing with harness - convertible (Model B)	×	●	●	●	-	-	-
	TYPE E	Booster - 4 to 8 years	×	●	●	●	-	-	-
TYPE F	Booster - 4 to 10 years	×	●	●	●	-	-	-	
ISOFIX	TYPE A	Rearward facing capsule	×	●	-	●	-	-	-
	TYPE A	Rearward facing with harness - convertible (Model A)	×	●	-	●	-	-	-
		Rearward facing with harness - convertible (Model B)	×	●	-	●	-	-	-
	TYPE B	Forward facing with harness - convertible (Model A)	×	●	-	●	-	-	-
		Forward facing with harness - convertible (Model B)	×	●	-	●	-	-	-

* Installation of each child restraint is assessed separately in each position. Installation of multiple restraints has not been assessed and may not be possible.

[^] The above list of child restraints has been selected to provide a general indication of the rated vehicle's ability to accommodate various CRS types. ANCAP does not endorse or recommend any one CRS brand or model, nor does it rate the safety of child restraints.



76%

41.44 POINTS
OUT OF 54

The bonnet of the Kia Niro provided GOOD or ADEQUATE protection to the head of a struck pedestrian over most of its surface, with MARGINAL and POOR results recorded at the base of the windscreen, on the stiff windscreen pillars and front edge of the bonnet surface.

The bumper provided GOOD protection to pedestrians' legs and protection of the pelvis was also GOOD.

The autonomous emergency braking (AEB) system offered ADEQUATE performance in tests of its effectiveness in pedestrian test scenarios, however as pedestrian-detecting AEB Backover and Turning were not fitted as standard to the tested vehicle, tests of its effectiveness in these scenarios were not conducted or scored.

In cyclist test scenarios, the AEB system offered GOOD performance.

HEAD IMPACTS	15.63 (out of 24)
UPPER LEG IMPACTS	6.00 (out of 6)
LOWER LEG IMPACTS	6.00 (out of 6)
AEB - Pedestrian (forward)	5.90 (out of 7)
AEB - Pedestrian (backover)	NOT TESTED (out of 2)
AEB - Cyclist	7.91 (out of 9)

AUTONOMOUS EMERGENCY BRAKING (PEDESTRIAN, CYCLIST & BACKOVER)

SYSTEM NAME: Forward Collision Avoidance Assist
TYPE: Autonomous emergency braking with forward collision warning
OPERATIONAL FROM: 5-85 km/h
DESCRIPTION: System functions in the daytime and night

AUTONOMOUS EMERGENCY BRAKING - PEDESTRIAN														
TEST SCENARIO	AEB + FCW		FORWARD								BACKOVER			
	Adult walking along road		Adult crossing towards kerb (50%)		Adult crossing from kerb (25%)		Adult crossing from kerb (75%)		Child running (obstructed)		Adult crossing side road, vehicle turning		Adult walking behind reversing vehicle	Adult standing behind reversing vehicle
	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	DAY
PERFORMANCE	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
ADEQUATE														

AUTONOMOUS EMERGENCY BRAKING - CYCLIST					
TEST SCENARIO	FCW	FORWARD			
	Cyclist travelling along road (25%)	Cyclist crossing from kerb (obstructed)	Cyclist travelling along road (50%)	Cyclist crossing (nearside)	Cyclist crossing (farside)
	DAY	DAY	DAY	DAY	DAY
PERFORMANCE	GOOD	ADEQUATE	GOOD	GOOD	GOOD
GOOD					

PEDESTRIAN IMPACT TEST (40 KM/H)





87%

13.98 POINTS
OUT OF 16

The Kia Niro is fitted with an autonomous emergency braking (AEB) system capable of functioning at highway speeds, a lane support system (LSS) with lane keep assist (LKA) and emergency lane keeping (ELK) functionality and blind spot monitoring (BSM).

Tests of the AEB (Car-to-Car) system showed GOOD performance, with collisions avoided or mitigated in all scenarios, including AEB Junction Assist where the test vehicle can autonomously brake to avoid crashes when turning across the path of an oncoming vehicle.

Tests of lane support system functionality showed GOOD performance, including in some of the more critical emergency lane keeping test scenarios.

A speed assistance system (SAS) is standard. This system identifies the local speed limit and allows the driver to set the speed accordingly.

A seatbelt reminder system is fitted to all seating positions with occupancy detection available for the front passenger and rear outboard seating positions. A driver drowsiness monitor system is fitted as standard.

OCCUPANT STATUS

- Seat belt reminders	1.67	(out of 2)
- Driver monitoring	1.00	(out of 1)
SPEED ASSISTANCE SYSTEMS	2.58	(out of 3)
LANE SUPPORT SYSTEMS	3.25	(out of 4)
AEB - Car-to-Car	3.49	(out of 4)
AEB - Junction Assist	2.00	(out of 2)

LANE SUPPORT SYSTEMS (LSS)

SYSTEM NAME: Lane Keeping Assist
OPERATIONAL FROM: 60-200 km/h

EMERGENCY LANE KEEPING (ELK)											
TEST SCENARIO	Oncoming vehicle	Overtaking vehicle (GVT at 72 km/h)		Overtaking vehicle (GVT at 80 km/h)		Road edge				Solid line	
		UNINTENTIONAL	INTENTIONAL	UNINTENTIONAL	INTENTIONAL						
PERFORMANCE	GOOD	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
ADEQUATE											

LANE KEEP ASSIST (LKA)				
TEST SCENARIO	Dashed Line		Solid Line	
PERFORMANCE	GOOD	GOOD	GOOD	GOOD
GOOD				

HUMAN MACHINE INTERFACE (HMI)		
FUNCTION	Lane Departure Warning (LDW)	PASS
	Blind Spot Monitoring (BSM)	PASS



87%

13.98 POINTS
OUT OF 16

AUTONOMOUS EMERGENCY BRAKING (CAR-TO-CAR)

SYSTEM NAME: Forward Collision Avoidance Assist
 TYPE: Autonomous emergency braking with forward collision warning
 OPERATIONAL FROM: 5-85 km/h
 DESCRIPTION: Defaults ON for every journey

HUMAN MACHINE INTERFACE (HMI)		
FUNCTION	Supplementary warning	[NOT FITTED]
	Restraint activation / dynamic retractors	[NOT FITTED]

AUTONOMOUS EMERGENCY BRAKING - CAR-TO-CAR								
TEST SCENARIO	Driving towards a stationary car					Turning across the path of oncoming vehicle		
	-50% OFFSET	-75% OFFSET	100% OFFSET	75% OFFSET	50% OFFSET	TARGET VEHICLE SPEED		
						30 KM/H	45 KM/H	55 KM/H
AEB (10-50 km/h)								
FCW (30-80 km/h)								
PERFORMANCE	GOOD					GOOD		

AUTONOMOUS EMERGENCY BRAKING - CAR-TO-CAR								
TEST SCENARIO	Toward car braking lightly		Toward car braking heavily		Driving towards a slower moving car*			
	12m HEADWAY	40m HEADWAY	12m HEADWAY	40m HEADWAY				
AEB (10-50 km/h)								
FCW (50*-80 km/h)								
PERFORMANCE	GOOD							

OCCUPANT STATUS

WARNING TYPE	DRIVER	FRONT PASSENGER	REAR PASSENGERS
Occupant Detection	-	●	●#
Seat Belt Reminder (Visual)	●	●	●
Seat Belt Reminder (Audible)	●	●	●
Driver Monitoring	●	-	-

Outboard seats only.

● PASS ● FAIL ✗ NOT AVAILABLE - NOT APPLICABLE

GOOD ADEQUATE MARGINAL WEAK POOR NOT TESTED

SPEED ASSISTANCE SYSTEMS (SAS)

SAS FEATURE	DESCRIPTION
Speed Limit Information Function	Camera & map
Speed Limitation Function	System advised

SAFETY FEATURES & TECHNOLOGIES

FEATURE / TECHNOLOGY~	AVAILABILITY	
	AUS	NZ
Seat belts (three-point) for all forward-facing seats	●	●
Seat belt pre-tensioners (front)	●	●
Seat belt pre-tensioners (rear outboard) - 2nd row	●	●
Seat belt pre-tensioners (rear centre) - 2nd row	✗	✗
Seat belt pre-tensioners (rear outboard) - 3rd row	-	-
Intelligent seat belt reminder (driver)	●	●
Intelligent seat belt reminder (front passenger)	●	●
Intelligent seat belt reminder (2nd row seats)	●	●
Intelligent seat belt reminder (3rd row seats)	-	-
Airbag - frontal (driver)	●	●
Airbag - frontal (passenger)	●	●
Airbags - side, chest protection (front seats)	●	●
Airbags - side, chest protection (2nd row seats)	✗	✗
Airbags - side, chest protection (3rd row seats)	-	-
Airbags - side, head protection (front seats)	●	●
Airbags - side, head protection (2nd row seats)	●	●
Airbags - side, head protection (3rd row seats)	-	-
Airbag - centre	●	●
Airbag - knee (driver)	●	●
Airbag - knee (front passenger)	✗	✗
Airbag disabling switch - automatic (front passenger)	✗	✗
Airbag disabling switch - manual (front passenger)	✗	✗
Head restraints for all seats	●	●
Active bonnet	✗	✗
Adaptive cruise control (ACC)	●	●
Anti-lock braking system (ABS)	●	●
Autonomous emergency braking (AEB) - Car-to-Car	●	●
Autonomous emergency braking (AEB) - VRU	●	●
Autonomous emergency braking (AEB) - Backover	●	●
Autonomous emergency braking (AEB) - Junction Assist	●	●
Automatic emergency call (eCall)	●	✗
Blind spot monitor (BSM)	●	●
Child presence alert	●	●
Electronic brakeforce distribution (EBD)	●	●
Event data recorder (EDR)	✗	✗
Electronic stability control (ESC)	●	●
Emergency brake assist (EBA)	●	●
Emergency stop signal (ESS)	●	●
Fatigue reminder	●	●
Fatigue monitor / detection	●	●
Forward collision warning (FCW)	●	●
ISOFix	●	●
Lane departure warning (LDW)	●	●
Lane keep assist (LKA)	●	●
Pre-crash systems	✗	✗
Rear cross-traffic alert (RCTA)	●	●
Reversing collision avoidance (camera)	●	●
Roll stability system	✗	✗
Secondary / multi-collision brake	●	●
Speed assistance - auto / intelligent speed limiter	●	●
Speed assistance - manual speed limiter	●	●
Speed assistance - speed sign recognition & warning	●	●
Smart (intelligent) key	✗	✗
Vehicle-to-infrastructure communication (V2I)	✗	✗
Vehicle-to-vehicle communication (V2V)	✗	✗

TESTED MAKE / MODEL	Kia Niro LHD
TESTED VEHICLE(S) BUILT	2022
TESTED BODY TYPE	5 door SUV
TESTED VEHICLE ENGINE	Battery Electric
RATING PUBLISHED	September 2022
RATING UPDATED	n/a

MODEL VARIANTS:

ANCAP safety ratings do not automatically extend to variants that have different body styles, engine configurations, driven wheels or occupant restraint systems (e.g. fewer airbags). In these cases, ANCAP considers technical evidence submitted by manufacturers before deciding on the extension of a rating to additional variants of a model.

RATING YEAR (DATESTAMP):

The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and, for vehicles rated from 2018, the Rating Year is the year in which the vehicle was tested.

~ Specifications & availability subject to change. Please check with the vehicle manufacturer for confirmation of vehicle specification.

● STANDARD ○ OPTIONAL ✗ NOT AVAILABLE
 ● NOT AVAILABLE ON BASE VARIANT BUT STANDARD OR OPTIONAL ON HIGHER VARIANTS