# **HYUNDAI KONA**



**APPLIES TO** All variants

**BUILT FROM** AU: April 2023 NZ: September 2023

**VEHICLE TYPE** Small SUV

**ENGINE / MOTOR TYPES** 

AU: June 2023 NZ: November 2023 Petrol + Hybrid + Battery Electric

**MODEL SERIES** 

ON SALE FROM

SX2

**RATING CRITERIA** 2023-2025

> RATING EXPIRES December 2029

AIRBAGS

Dual frontal, side chest, side head, centre



2023



The Hyundai Kona was introduced in Australia in June 2023 and New Zealand in November 2023. This ANCAP safety rating applies to all variants.

Dual frontal, side chest-protecting and side head-protecting airbags 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, Junction & Crossing and Head-On) as well as a lane support system with lane keep assist (LKA), lane departure warning (LDW) and emergency lane keeping (ELK), and an advanced speed assistance system (SAS) are standard.

## ASSESSMENT SCORES



**Adult Occupant Protection** 

32.13 out of 40



**Child Occupant Protection** 

84%

41.62 out of 49



**Vulnerable Road User Protection** 

64%

40.85 out of 63



Safety Assist

62%

11.17 out of 18

## **RATING APPLICABILITY\***

VARIANT	BODY TYPE	ENGINE / POWERTRAIN	DRIVETRAIN	AUS	NZ
Hyundai Kona G2.0MPI	5 door SUV	2.0 litre petrol	FWD	✓	-
Hyundai Kona 1.6 GDI Hybrid	5 door SUV	1.6 litre hybrid	FWD	✓	-
Hyundai Kona 99kW Elec Motor	5 door SUV	Battery electric vehicle (BEV)	FWD	✓	-
Hyundai Kona N Line G2.0MPI	5 door SUV	2.0 litre petrol	FWD	✓	✓
Hyundai Kona N Line G1.6T GDI	5 door SUV	1.6 litre turbo petrol	AWD	✓	-
Hyundai Kona N Line G1.6 GDI Hybrid	5 door SUV	1.6 litre hybrid	FWD	✓	✓
Hyundai Kona Premium G2.0MPI	5 door SUV	2.0 litre petrol	FWD	✓	-
Hyundai Kona Premium G1.6 GDI Hybrid	5 door SUV	1.6 litre hybrid	FWD	✓	-
Hyundai Kona Premium 99kW Elec Motor	5 door SUV	Battery electric vehicle (BEV)	FWD	✓	-
Hyundai Kona Premium 150kW Elec Motor	5 door SUV	Battery electric vehicle (BEV)	FWD	✓	-
Hyundai Kona Premium N Line G2.0MPI	5 door SUV	2.0 litre petrol	FWD	✓	-
Hyundai Kona Premium N Line G1.6T GDI	5 door SUV	1.6 litre turbo petrol	AWD	✓	-
Hyundai Kona Premium N Line G1.6 GDI Hybrid	5 door SUV	1.6 litre hybrid	FWD	✓	-
Hyundai Kona Active	5 door SUV	1.6 litre petrol hybrid	FWD	-	✓
Hyundai Kona Active	5 door SUV	2.0 litre petrol	FWD	-	✓
Hyundai Kona Elite	5 door SUV	1.6 litre petrol hybrid	FWD	-	✓
Hyundai Kona Elite	5 door SUV	2.0 litre petrol	FWD	-	✓
Hyundai Kona Limited N-Line	5 door SUV	1.6 litre turbo petrol	AWD	-	✓
Hyundai Kona Limited N-Line	5 door SUV	1.6 litre petrol hybrid	FWD	_	✓



**Adult Occupant Protection** 

80% 32.13 out of 40 FRONTAL OFFSET (MPDB)#

4.61 points out of 8

OBLIQUE POLE#
6.00 points out of 6

RESCUE & EXTRICATION 2.50 points out of 4

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FULL WIDTH FRONTAL#
6.26 points out of 8

**3.37 points** out of 4

WHIPLASH PROTECTION

SIDE IMPACT\*
6.00 points out of 6

FAR SIDE IMPACT

**3.39 points** out of 4

\*Scaled scores. Total test scored out of 16.00 points.

The passenger compartment of the Hyundai Kona remained stable in the **frontal offset (MPDB)** test. Dummy readings indicated MARGINAL protection for the driver's chest and lower legs. Structures in the instrument panel and dashboard were a potential source of additional risk of injury to occupants and protection of both the driver and passenger upper legs were rated MARGINAL. Protection was GOOD for all other critical body regions for both the driver and front passenger.

The front structure of the Hyundai Kona presented a lower risk to occupants of an oncoming vehicle in the MPDB test (which evaluates vehicle-to-vehicle compatibility), and a 1.44 point penalty (out of 8.00 points) was applied.

In the **full width frontal** test, protection of the driver chest was WEAK and the pelvis was rated POOR. Dummy readings indicated that the driver's pelvis slipped beneath the lap section of the seatbelt and the dummy was not properly restrained during the crash. Protection of the rear passenger was GOOD for all critical body regions.

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

The Hyundai Kona is equipped with a centre airbag to protect against occupant-to-occupant interaction in side impacts 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. It was demonstrated that, if the car entered water, the doors of the Hyundai Kona would remain functional for the minimum required time period, though window opening functionality was not demonstrated.

#### FRONTAL OFFSET (MPDB) TEST - 50km/h



	DRIVER	FRONT PASSENGER
Head / Neck	4.00 pts	4.00 pts
Chest	2.20 pts	4.00 pts
Upper Legs	1.88 pts	2.00 pts
Lower Legs	2.58 pts	4.00 pts
Deductions	-1.00 pts (variable contact) -1.00 pts (concentrated load)	-1.00 pts (variable contact) -1.00 pts (concentrated load)



#### COMPATIBILITY

Deductions -1.44 pts

#### FULL WIDTH FRONTAL TEST - 50km/h



	DRIVER	REAR PASSENGER
Head	4.00 pts	4.00 pts
Neck	4.00 pts	4.00 pts
Chest	1.04 pts	4.00 pts
Upper Legs	0.00 pts	4.00 pts
Deductions	- 4.00 points (upper legs submarining)	Nil

#### SIDE IMPACT TEST - 60km/h

## OBLIQUE POLE TEST - 32km/h



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



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



## FAR SIDE IMPACT TESTS - 60km/h and 32km/h



SIDE IMPACT (60km/h)	DRIVER
Head	4.00 pts
Neck	4.00 pts
Chest & Abdomen	4.00 pts
Pelvis	No penalty



OBLIQUE POLE (32km/h)	DRIVER
Head	3.00 pts
Neck	2.34 pts
Chest & Abdomen	3.00 pts
Pelvis	No penalty



OCCUPANT-TO-OCCUPANT **Head Contact** No penalty

## WHIPLASH PROTECTION TESTS





	DRIVER / FRONT PASSENGER	REAR PASSENGER
Rear Impact	2.99 pts	0.38 pts

## **RESCUE & EXTRICATION**



Rescue Sheet		No penalty
Door Opening / Extrication		No penalty
Multi-Collision Braking		1.00 pt
Advanced eCall	×	1.00 pt default
Vehicle Submergence		
- Door opening		0.50 pt
- Window opening	×	Not demonstrated

● FITTED TO TEST CAR AS STANDARD ● NOT FITTED TO TEST CAR BUT AVAILABLE AS AN OPTION X NOT AVAILABLE - N/A



**Child Occupant Protection** 

84% 41.62 out of 49 DYNAMIC TEST (FRONT) **14.57 points** out of 16

RESTRAINT INSTALLATION

**11.81 points** out of 12

DYNAMIC TEST (SIDE) 8.00 points out of 8

**ON-BOARD SAFETY FEATURES** 7.25 points out of 13

In the frontal offset test, protection of the neck of the 10 year dummy was WEAK, while the protection offered to all other critical body regions of both the 6 and 10 year dummies was GOOD.

In the side impact test, protection of all critical body areas was GOOD for both child dummies, and maximum points

The Hyundai Kona is fitted with lower ISOFix anchorages on the rear outboard seats and top tether anchorages for all rear seating positions.

An indirect child presence detection (CPD) system, which provides an alert when a child may have been left in the vehicle, is fitted for all rear passenger seats as standard.

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

FRONTAL OFFSET (MPDB) TEST - 50km/h

SIDE IMPACT TEST - 60km/h



6 YEAR OLD	10 YEAR OLD	10 YEAR OLD	6 YEAR OLD

ON-BOARD SAFETY FEATURES	FRONT PASSENGER	2nd ROW OUTBOARD	2nd ROW CENTRE	3rd ROW OUTBOARD	3rd ROW CENTRE
ISOFIX Anchorages	×	•	×	-	-
Top Tether Anchorage	×			_	-
Airbag Disabling	×	-	-	_	-
Child Presence Detection 1.00 pts (out of 4.00pts)	×	•	•	-	-
		FITTE	D AS STANDAF	RD X NOT AVA	ILABLE - N/A

	CHILD RESTRAINT TYPE^*	PASSENGER	L	С	R	L	С	R	
	Rearward-facing capsule	×				-	-	-	
	Rearward-facing with harness - convertible (Model A)	×				-	-	-	
В	Rearward-facing with harness - convertible (Model B)	×				-	-	-	
5	Forward-facing with harness - convertible (Model A)	×				-	-	-	
B	Forward-facing with harness - convertible (Model B)	×				-	-	-	
	Booster - 4 to 8 years	×				-	-	-	
	Booster - 4 to 10 years	×				-	-	-	
	Rearward-facing capsule	×		-		-	-	-	

FRONT ROW

2nd ROW

3rd ROW

PO	Rearward-facing with harness - convertible (Model B)	×	-	-	-	-
S	Forward-facing with harness - convertible (Model A)	×	-	-	-	-
	Forward-facing with harness - convertible (Model B)	×	-	-	-	-

■ INSTALL WITHOUT PROBLEM
■ INSTALL WITH CARE
■ CANNOT BE FITTED SAFELY
X INSTALLATION NOT ALLOWED
- N/A

The child restraints fifted to vehicles tested by Euro NCAP are relevant to the European market. For Australasian consumens, this information should be used as a guide to vehicle only. The Child Restraint Evaluation Program (CREP) provides an independent assessment on the safety of Australasian child restraints - see www.childcarseats.com.au. Installation of each child restraint is assessed separately in each position. Installation of multiple restraints has not been assessed and may not be possible. e list of child of CRS brand or

Rearward-facing with harness - convertible (Model A)

NOT TESTED



HEAD PROTECTION (Adult, Child, Cyclist) **KNEE & TIBIA PROTECTION AEB CYCLIST 12.17 points** out of 18 9.00 points out of 9 4.51 points out of 9 PELVIS PROTECTION **AEB PEDESTRIAN (Forward) AEB MOTORCYCLE** 6.00 points out of 6 0.01 points out of 4.5 5.08 points out of 7 **AEB PEDESTRIAN (Backover)** FEMUR PROTECTION LSS MOTORCYCLE **1.84 points** out of 4.5 NOT TESTED out of 2 **2.25 points** out of 3

In physical impact tests, protection to the head of a pedestrian striking the bonnet, or cyclist striking the windscreen was predominantly GOOD or ADEQUATE, with MARGINAL and POOR results recorded at the base of the windscreen and on the stiff windscreen pillars.

Protection of the pelvis was POOR. Protection of the femurs was mixed, with areas of predominantly POOR and WEAK performance, while protection of the lower legs was GOOD.

The autonomous emergency braking (AEB) system is capable of detecting and reacting to vulnerable road users such as pedestrians, cyclists and motorcyclists. Testing of this system showed ADEQUATE performance in forward pedestrian test scenarios including turning scenarios, with collisions avoided or mitigated in most tests, however performance in the night-time tests with higher travel speeds was reduced. The AEB system in reverse (AEB Backover) is available on some variants but was not standard on the tested vehicle and hence these tests were not conducted.

ADEQUATE performance was seen in cyclist test scenarios with collisions avoided or mitigated at most test speeds, however the AEB system did not react to bicycles while turning. A door opening warning system is standard in Australia and New Zealand, but was not fitted to the test vehicle, and was therefore not scored.

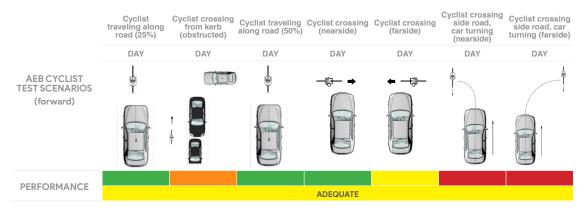
GOOD performance was recorded in the AEB motorcycle tests, including in turning scenarios, with ADEQUATE peformance recorded in tests of the Car-to-Motorcycle lane support system.

#### PEDESTRIAN & CYCLIST IMPACT TESTS



## AUTONOMOUS EMERGENCY BRAKING (Cyclist, Pedestrian & Motorcycle)

Type Autonomous emergency braking with forward collision warning	
Operational From 5-85km/h	



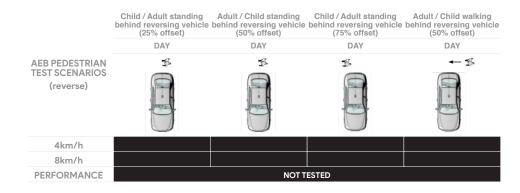
## CYCLIST DOORING

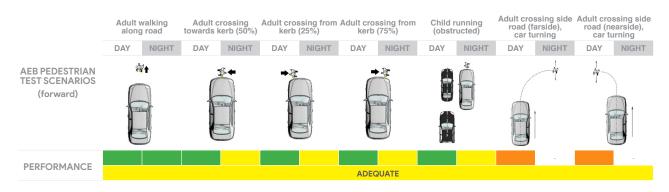
Information (driver door)	Not tested
Warning (driver door)	Not tested
Retention (driver door)	×
Warning or retention (all other doors)	Not tested

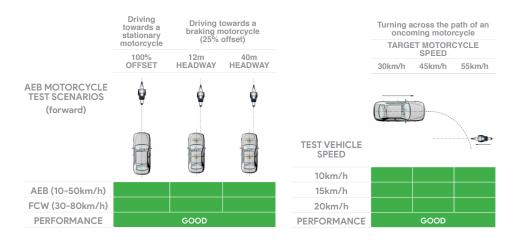
X FAIL - N/A PASS



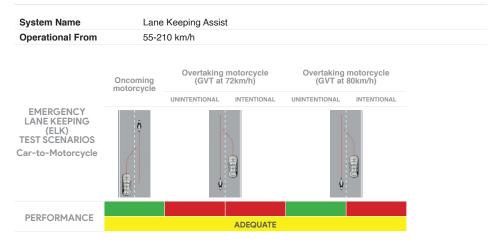








#### LANE SUPPORT SYSTEMS (Car-to-Motorcycle)





**Safety Assist** 

**62%** 11.17 out of 18

SEAT BELT REMINDERS AEB / AES (Car-to-Car) LANE SUPPORT SYSTEMS 0.67 points out of 1 3.38 points out of 4 2.50 points out of 3

DRIVER MONITORING AEB / AES (Junction & Crossing)

**1.14 points** out of 2 **1.00 points** out of 4

SPEED ASSISTANCE SYSTEMS AEB / AES (Head-On)
2.11 points out of 3 0.38 points out of 1

The Hyundai Kona is fitted with autonomous emergency braking (AEB), 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 test scenarios, including in the **AEB** Junction scenario where the test vehicle can autonomously brake to avoid crashes when turning across or into the path of an oncoming vehicle. Tests of the **AEB** Head-On functionality showed MARGINAL performance. The standard AEB system does not react when crossing the path of another vehicle. A system with **AEB** Crossing functionality is available on higher variants in Australia and standard in New Zealand, however this was not tested.

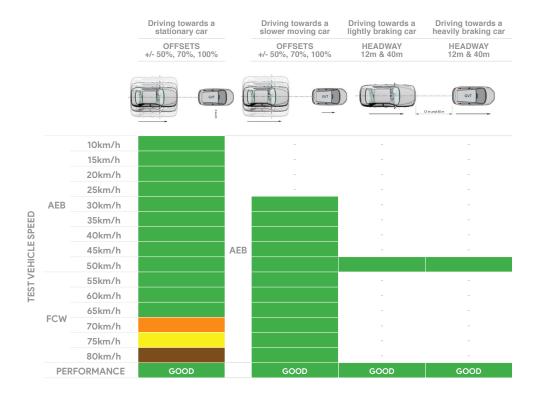
Tests of **LSS** functionality showed GOOD performance in lane keep assist scenarios, and ADEQUATE performance in the more critical ELK scenarios.

A speed assistance system (SAS) with speed limit information function (SLIF) and Intelligent Speed Limiter (ISL) is standard, informing the driver of the local speed limit and allowing the driver to accept the change in 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 direct Driver Monitoring System (DMS) capable of detecting driver distraction and drowsiness is fitted as standard.

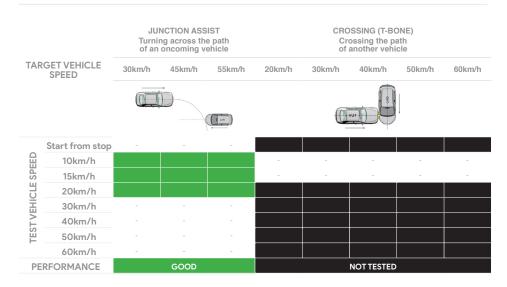
#### AUTONOMOUS EMERGENCY BRAKING (Car-to-Car)

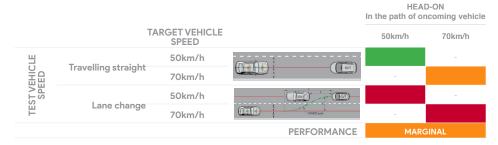
System Name	Forward Collision-Avoidance Assist (FCA)
Туре	Autonomous emergency braking with forward collision warning
Operational From	10-180 km/h



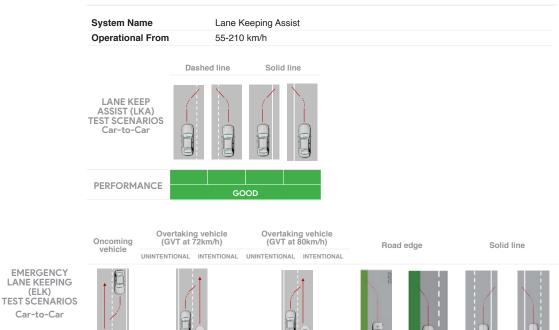


## AUTONOMOUS EMERGENCY BRAKING (Car-to-Car Junction, Crossing and Head-On)





#### LANE SUPPORT SYSTEMS (Car-to-Car)



ADEQUATE

**EMERGENCY** LANE KEEPING (ELK)

Car-to-Car

PERFORMANCE



Safety Assist

**62%** 11.17 out of 18

## OCCUPANT STATUS

WARNING TYPE	DRIVER	FRONT PASSENGER	REAR PASSENGERS
Occupant Detection	-	•	#
Seat Belt Reminder (Visual)		•	
Seat Belt Reminder (Audible)	•	•	•
			# Outboard seats only

## DRIVER MONITORING

	WARNING	INTERVENTION
Distraction	•	•
Fatigue		
Unresponsive Driver	_	×

## SPEED ASSISTANCE SYSTEMS (SAS)

## FEATURE

Speed Limit Information Function (SLIF)	Camera based
Manual Speed Limiter	
Intelligent Adaptive Cruise Control (iACC)	×
Intelligent Speed Limitation (ISL)	

## HUMAN MACHINE INTERFACE (HMI)

## FEATURE

AEB: Supplementary Warning	×
AEB: Restraint activation / dynamic retractors	×
Lane Departure Warning (LDW)	
Blind Spot Monitoring (BSM): Car-to-Car & Car-to-Motorcycle	

## **SAFETY FEATURES & TECHNOLOGIES**

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\* Correct at time of publication. Subject to change. Check with manufacturer.

TESTED MAKE / MODEL Hyundai Kona, electric GLS, LHD Battery Electric (BEV)

TESTED VEHICLE ENGINE

RATING UPDATED n/a

TESTED BODY TYPE 5 door SUV

RATING PUBLISHED January 2024