

ANCAP Safety Rating

INFINITI QX70 (2013 - onwards)



Infiniti QX70

This ANCAP safety rating applies to:

Make / Model	Infiniti QX70 (S51)
Year Range	2013 - onwards
Variant(s)*	3.7 litre GT, 3.7 litre Sport Premium and 3.7 litre Sport Design variants.
Vehicle Type	Large SUV

The Infiniti FX was introduced in Australia in 2012. In 2013 the Infiniti FX was renamed QX70. The QX70 was introduced in New Zealand in 2017. The ANCAP safety rating has been updated to reflect the name change and is on the basis of testing of the FX conducted in 2009. The rating applies to variants with a 3.7 litre V6 petrol engine. V8 variants are unrated.

Dual frontal airbags, side airbags and head-protecting curtain airbags are standard equipment. Intelligent seat belt reminders are fitted to all seats. Autonomous emergency braking (AEB) is available on some variants. A full list of safety features and technologies can be viewed within the *Safety Features & Technologies* table on page 2 of this report.

Injury Outcomes.

Frontal Offset

Driver

Passenger



Side Impact & Pole[#]

Driver



Whiplash Protection

Driver



[#] Head protection only.

	GOOD
	ACCEPTABLE
	MARGINAL
	POOR

Test Results Summary.

Airbags	Dual Frontal, Side, Head
Frontal Offset Test	12.5 (out of 16)
Side Impact Test	16.0 (out of 16)
Pole Test	2.00 (out of 2)
Whiplash Protection	Good
Pedestrian Protection	Marginal
ESC	Standard
Seat Belt Reminders	3.0 (out of 3)
Overall Score	33.5 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year [^]	2012

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.71 points
Upper legs:	2.00 points
Lower legs:	2.76 points

The passenger compartment held its shape well in the frontal offset test. Protection from serious leg injury was marginal for the driver and passenger. Rearward pedal movement was excessive and penalties were applied.

Side Impact Test

Each body region is scored out of 4 points

Head:	4.00 points
Chest:	4.00 points
Abdomen:	4.00 points
Pelvis:	4.00 points

Good protection was offered to all critical body regions in the side impact test.

Pole Test

Scored out of 2 points

Score:	2.00 points
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The vehicle has side curtain airbags so was eligible for a side pole test. The vehicle scored the maximum 2 points for head protection in this test.

Whiplash Protection Test

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	Good
Dynamic test:	Good
Overall whiplash rating:	Good

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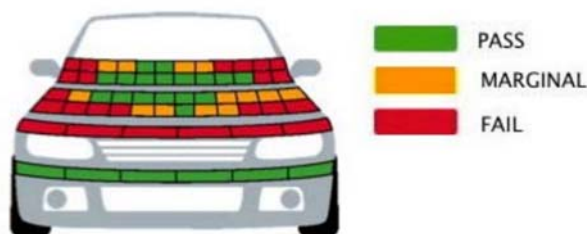
Pedestrian Protection.

Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 10.19 points
Upper leg impacts: 1.60 points
Lower leg impacts: 4.15 points

This vehicle scored 15.94 out of 36 points (Marginal). The bumper provided predominantly marginal protection for pedestrian's legs and the front edge of the bonnet mostly poor. In most areas likely to be struck by the head of a child, protection was poor but in those areas most likely to be struck by an adult, good protection was provided. (Tested by Euro NCAP v5.1)



Score Deductions.

Deductions from frontal offset test scores

Head / neck: No deductions
Chest: No deductions
Upper legs: -2.00 points from driver left and right leg (variable contact and concentrated loads)
-2.00 points from passenger left and right leg (variable contact and concentrated loads)
Lower legs: No deductions
Feet: -1.24 points from foot score (excessive rearward pedal movement)
Overall: No deductions

Deductions from side impact test score

Head / neck: No deductions
Chest: No deductions
Abdomen: No deductions
Pelvis: No deductions
Overall: No deductions

Deductions from pole test score

Head: No deductions

Safety Features & Technologies.

Descriptions of each of these safety features and safety assist technologies (SAT) and detail on fitting requirements for each star rating level can be found at ancap.com.au.

Safety Feature / Safety Assist Technology	Availability
Seat belts (three-point, lap/sash) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (rear outboard)	X
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 nd row seats)	S
Intelligent seat belt reminder (3 rd row seats)	N/A
Airbag - Frontal (driver)	S
Airbag - Frontal (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 nd row seats)	X
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 nd row seats)	S
Airbag - Side, head protection (3 rd row seats)	N/A
Airbag - Knee (driver)	X
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	V
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	
- City	V
- Interurban	X
- Vulnerable road user	X
Automatic headlights	S
Automatic high beam	X
Blind spot monitoring (BSM)	X
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Fatigue reminder	X
Lane departure warning (LDW)	V
Lane keep assist (LKA)	V
Daytime running lights (DRL)	X
Hill launch assist	X
Reversing collision avoidance	S
Speed assistance - automatic / intelligent speed limiting (ISA)	X
Speed assistance - manual speed limiting	S
Speed assistance - speed sign recognition & warning	X
Tyre pressure monitoring system (TPMS)	S

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.

E = Available in Europe but not available on any Australasian variant.

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

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Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (v5.1)		Side impact test at 50 km/h (v5.1)
	Driver	Passenger	Driver
Head			
HIC	248.00	197.00	17.00
Acceleration (g for 3ms)	38.50	38.80	14.60
Neck			
Shear (kN)	0.34	0.43	-
Tension (kN)	1.32	1.42	-
Extension (Nm)	23.90	12.90	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	23.99	22.26	11.15
Viscous criterion (m/s)	0.09	0.07	0.05
Abdomen			
Force (kN)	-	-	0.30
Pelvis			
Force (kN)	-	-	1.01
Upper legs			
Femur force left (kN)	0.46	1.80	
Femur force right (kN)	1.00	0.70	
Knee displacement left (mm)	0.40	5.50	
Knee displacement right (mm)	0.60	5.70	
Lower legs			
Force left (kN)	1.81	1.71	
Force right (kN)	2.62	1.39	
Index (upper / lower) left	0.41 / 0.30	0.28 / 0.33	
Index (upper / lower) right	0.50 / 0.19	0.37 / 0.32	
Intrusion Measurements			
Steering column			
Forward (mm)	9		
Upward (mm)	14		
Sideways (mm)	5		
Pedals			
Brake - rearward (mm)	131		
Clutch - upward (mm)	18		
A-Pillar			
Rearward (mm)	12		

* **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 extending a rating to additional variants of a model. For further information about the application of ANCAP safety ratings to model variants, see the ANCAP Variant Policy.

^ **Rating Year:** The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and may be based on the year in which a new vehicle model is first launched into the Australian and/or New Zealand markets; the year in which the vehicle was tested (if tested by Euro NCAP); or, for vehicles which hold an existing ANCAP safety rating, the year in which the rating was updated (or earlier applicable year).

Assessment Details.

Tested Make / Model	Infiniti FX37 LHD
Tested Vehicle(s) Built	2009
Tested Body Type	Wagon
Tested Vehicle Kerb Weight	2000 kg
Tested Vehicle Engine	3.7 litre petrol
Tested By	ANCAP
Assessed By	ANCAP
Document Reference	INFINITI_QX70
Document Created / Revised	17 October 2017
Rating Published	October 2017
Rating Updated	N/A



Frontal offset test at 64km/h