

Crash Test Results

New Car Safety

HYUNDAI ix35

Aug 2010 on Front+side+head airbags



Offset crash test at 64km/h

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.51 pts, upper legs 4 pts, lower legs 3.64 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 62 mm and upwards 31 mm. The steering wheel hub moved 55 mm rearward, 4 mm upward and 4 mm sideways. The front ("A") pillar moved 4 mm rearwards. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

The airbag cushioned the head of the driver and contact was stable. There were no knee hazards. The passenger's head was cushioned by the airbag.

SIDE IMPACT CRASH TEST

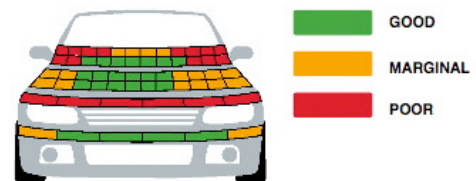
Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts.

The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags. The side curtain did not fully deploy and so one point was deducted giving a pole test score of one point.

PEDESTRIAN PROTECTION: Acceptable

The bumper provided predominantly good protection to pedestrians' legs. However, the front edge of the bonnet offered poor protection and scored no points. Protection for child and adult's heads was mixed.

PEDESTRIAN PROTECTION	Child head impacts	8.91
ACCEPTABLE	Adult head impacts	5.05
	Upper leg impacts	Zero
	Lower leg impacts	5.56
	Total (out of 36)	19.52
	Tested by Euro NCAP v5	



Occupant Protection Score 34.15 out of 37

Variant: 4WD Eng: 2 litre
Kerb weight: 1610 kg Category: SUV - MEDIUM
Vehicles built: 2010 Tested by Euro NCAP

Important note: The 4x4 *left-hand-drive* European model 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 Hyundai ix35 was introduced in Australia during 2010. This rating applies to all 4WD and 2WD variants built from August 2010, when an upgraded steering column and other changes were introduced.

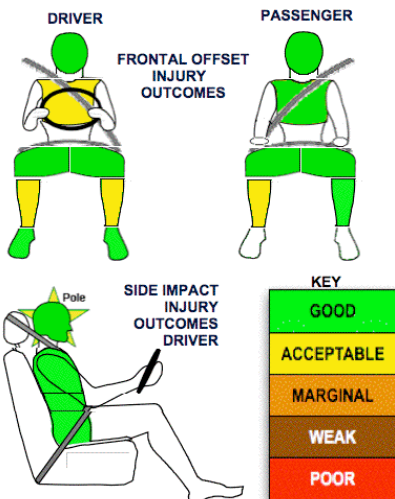
Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brakeforce distribution (EBD) and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted to both front seats. Automatic headlights and a rearview camera are available on some variants.

Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point (lap) seat belt.

OCCUPANT PROTECTION: 5 Stars

The HYUNDAI ix35 scored 15.15 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious leg injury for the driver and passenger. There was a slight risk of serious chest injury for the driver.

The vehicle scored 16 out of 16 in the side impact crash test. One point out of two was scored in the optional pole test.



Whiplash Protection



September 2010

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ix35_10.doc
Revised 16/2/2011



TECHNICAL DATA - HYUNDAI ix35 - August 2010 on

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v5.0)		Side Impact Crash Test at 50km/h (v5.0)
	Driver	Passenger	Driver
Head HIC	336	474	28
Acceleration (g for 3ms)	48.9	47.8	18.4
Neck - Shear (kN)	0.38	0.41	-
Tension (kN)	0.32	0.21	-
Extension (Nm)	18.2	0.6	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	25.41	20.00	15.83
Viscous criterion (m/s)	0.09	0.07	0.05
Abdomen - Force (kN)	-	-	0.27
Pelvis - Force (kN)	-	-	0.88
Upper legs Force (kN)			
Left	0.28	1.70	
Right	0.63	0.20	
Knee displ (mm)			
Left	0.00	0.80	
Right	0.00	0.00	
Lower legs Force (kN)			
Left	2.17	1.93	
Right	2.54	2.18	
Index (Upper/Low)			
Left	0.42 /0.24	0.23 /0.23	
Right	0.45 /0.38	0.26/0.27	

Bonus points (maximum 5)

Pole Test: 1 pts

Seat belt reminders: 2 (see table below for details)

Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable & conc. loading	No deduction
Lower leg	No deduction
Foot score	Score 4 points

Modifiers - deductions from side impact test scores

Chest	No deduction
Pole test Side curtain not fully deployed	1 pt deduction

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/X
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	S#
Side airbags, front seats - chest protection	S	3 point centre rear seat belt	S
Side airbags, front seats - head protection	S	Whiplash Protection (RCAR protocol)	Good
Side airbags, rear seats - head protection	S	Intelligent seat belt reminder - driver	S
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	S
Seat belt pretensioners (Front/Rear outboard)	S/X	Intelligent seat belt reminder - rear seats	X

Key:

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

