

Hyundai Santa Fe

Hyundai Santa Fe 2.2 diesel, 5 seat 'Comfort', LHD

2012 ★★★★★



ADULT OCCUPANT

Total 34 pts | 96%

FRONTAL IMPACT

15,6 pts



Driver



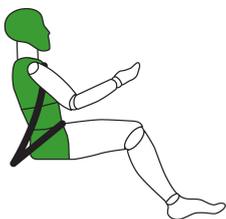
Passenger

SIDE IMPACT CAR

8 pts

SIDE IMPACT POLE

7,8 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	4mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	brake - 83mm
Upward pedal movement	brake - 40mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard cloth, 4 way manual
Head restraint type	Passive
Geometric assessment	1 pts

TESTS

- High severity	2,3 pts
- Medium severity	2,5 pts
- Low severity	2,4 pts

TEST RESULTS

CHILD OCCUPANT

Total 43 pts | 89%

18 MONTH OLD CHILD

Restraint Britax-Römer Baby-Safe Plus
Group 0, 1
Facing rearward
Installation ISOFIX anchorages and support frame



PERFORMANCE 11,9 pts
INSTRUCTIONS 4 pts
INSTALLATION 2 pts

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load good

SIDE IMPACT

Head containment protected
Head acceleration good

3 YEAR OLD CHILD

Restraint Britax-Römer Duo Plus
Group 1
Facing forward
Installation ISOFIX anchorages and top tether



PERFORMANCE 11,5 pts
INSTRUCTIONS 4 pts
INSTALLATION 2 pts

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load fair

SIDE IMPACT

Head containment protected
Head acceleration good

VEHICLE BASED ASSESSMENT

8 pts

Airbag warning Label

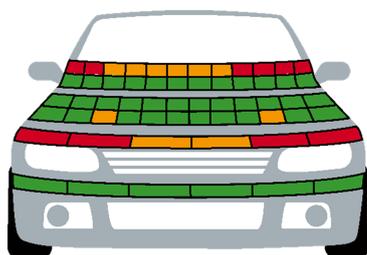
Text and pictogram on both sides of the passenger sun visor

PEDESTRIAN

Total 25 pts | 71%

SAFETY ASSIST

Total 6 pts | 86%



GOOD
MARGINAL
POOR

HEAD 18,6 pts
PELVIS 0,9 pts
LEG 6 pts

SPEED LIMITATION ASSISTANCE

1 pts

- 0, not available

Pass

ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- ESP

Pass

Yaw rate ratio (1.00s) 3,48 %
 Yaw rate ratio (1.75s) 1,38 %
 Lateral displacement (1.07s) 3,10 m

SEATBELT REMINDER

2 pts

- driver Pass
 - passenger Pass
 - rear Not assessed

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Hyundai Santa Fe 2.2 diesel, 5 seat 'Comfort', LHD
Body type	5 door SUV
Year of publication	2012
Kerb weight	1910kg
VIN from which rating applies	applies to all Santa Fes of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	
Front passenger frontal airbag	
Side body airbags	
Side head airbags	
Driver knee airbag	
Speed Limitation Assistance	
Electronic Stability Control	
Seatbelt Reminder	Driver and front passenger

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of both front seat occupants. Hyundai showed that a similar level of protection would be provided for occupants of different sizes and to those sat in different positions. In the side barrier test, the Santa Fe scored maximum points with good protection of all body regions. Even in the more severe side pole impact, protection of the chest was adequate while that of other body regions was good. The seat and head restraint provided marginal protection against whiplash injuries in the event of a rear-end collision.

Child occupant

In the frontal impact, forward movement of the 3 year dummy, sat in a forward-facing restraint, was not excessive. In the side impact, both dummies were properly contained within the protective shells of their restraints, minimising the likelihood of dangerous head contacts with parts of the car's interior. The passenger airbag can be disabled to allow a rearward-facing restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. Clear information is provided in the car about the dangers of using a rearward-facing restraint in that seat without first disabling the airbag.

Pedestrian

The Santa Fe scored maximum points for the protection provided by the bumper to pedestrians' legs. However, the front edge of the bonnet was predominantly poor or marginal. The car has an active 'pop-up' bonnet. Sensors in the bumper detect when a pedestrian has been struck and the bonnet is lifted to provide additional clearance to hard structures beneath. Hyundai showed that the system worked over a range of speeds and for different pedestrian statures so the bonnet was tested in the deployed position. In those areas likely to be struck by a child's head, protection was almost all good. In those areas where an adult's head would strike, protection was good on the bonnet surface but was marginal or poor along the bottom edge of the windscreen.

Safety assist

The Santa Fe has electronic stability control as standard and the system met Euro NCAP's test requirements. A seatbelt reminder is also standard for driver and front passenger seats but there is no system for the rear seats. The car's standard-fit driver-set speed limitation device met Euro NCAP's requirements.