

TEST RESULTS

Hyundai H-1

Hyundai H-1 2.5 diesel GLS, LHD

2012



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 20 pts | 55%

FRONTAL IMPACT

10,4 pts



Driver



Passenger

SIDE IMPACT CAR

7,8 pts



Car

REAR IMPACT (WHIPLASH)

1,4 pts



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	33mm
Steering wheel rearward	49mm
Steering wheel upward	16mm
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	Steering column; end of facia; glove box
Concentrated loads on knees	Steering column; end of facia; glove box

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	brake - 142mm
Upward pedal movement	brake - 67mm

SIDE IMPACT

Head protection airbag	No
Chest protection airbag	No

WHIPLASH

Seat description	
Head restraint type	
Geometric assessment	0 pts

TESTS

- High severity	0 pts
- Medium severity	0 pts
- Low severity	0 pts

TEST RESULTS

CHILD OCCUPANT

Total 37 pts | 75%

18 MONTH OLD CHILD

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



PERFORMANCE 8,6 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

3 YEAR OLD CHILD

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



PERFORMANCE 12 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

VEHICLE BASED ASSESSMENT

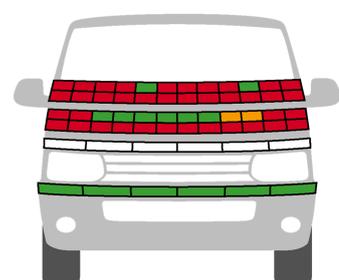
4 pts

Airbag warning Label

Text label permanently attached to both sides of the passenger sun visor

PEDESTRIAN

Total 10 pts | 34%



GOOD (Green)
MARGINAL (Yellow)
POOR (Red)

HEAD 4,2 pts
PELVIS 0 pts
LEG 6 pts

SAFETY ASSIST

Total 3 pts | 43%

SPEED LIMITATION ASSISTANCE 0 pts

Not assessed

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- ESP Pass
 Yaw rate ratio (1.00s) 1,88 %
 Yaw rate ratio (1.75s) 1,66 %
 Lateral displacement (1.07s) 2,45 m

SEATBELT REMINDER 0 pts

- driver Not assessed
 - passenger Not assessed
 - rear Not assessed

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Hyundai H-1 2.5 diesel GLS, LHD
Body type	Van-based people carrier
Year of publication	2012
Kerb weight	2095kg
VIN from which rating applies	from KMHWH81KBDU506106

SAFETY EQUIPMENT

Front seatbelt pretensioners
Front seatbelt load limiters
Driver frontal airbag
Front passenger frontal airbag
Electronic Stability Control

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of the front seat occupants. However, structures in the dashboard were thought to present a risk to occupants of different sizes and to those sat in different positions. In the side impact test, protection of the chest was adequate while that of other body areas was good. No pole test was done as the H-1 is not equipped with a head-protecting airbag. A geometric assessment of front and rear seats revealed poor protection against whiplash injury in the event of a rear-end collision.

Child occupant

Based on dummy readings in the dynamic crash tests, the H-1 scored maximum points for its protection of the 3 year infant. In the frontal test, forward movement of that dummy, sat in a forward-facing restraint, was not excessive. In the side impact, both dummies were properly contained by their restraints, minimising the likelihood of head contact with parts of the vehicle interior. The front passenger airbag cannot be disabled so a rearward-facing child restraint should not be used in that seating position. The dangers of doing so are clearly indicated inside the vehicle.

Pedestrian

The bumper scored maximum points for the protection offered to pedestrians' legs. However, protection provided to the head was predominantly poor, both in the areas likely to be struck by a child and those where an adult's head might strike. Assessment of the front edge of the bonnet was no appropriate owing to shape and size of the vehicle.

Safety assist

The Hyundai H-1 has electronic stability control as standard equipment. However, there is no seatbelt reminder system, even for the driver's seat, and a speed-limitation system is also not available.