

Hyundai New HB20 + 6Airbags



ADULT OCCUPANT	68%
CHILD OCCUPANT	75%
PEDESTRIAN PROTECTION	34%
SAFETY ASSIST	65%

SPECIFICATIONS

Tested model	Hyundai HB20
Body type	5 door Hatchback - sedan
Year of publication	2023
Crash test weight (KG)	1319
VIN from which Rating applies	
Made in	Brazil
Test valid for	Latin NCAP market

SAFETY EQUIPMENT

	DRIVER	PASSENGER	REAR
FRONTAL CRASH PROTECTION			
Frontal airbag	YES STANDARD	YES STANDARD	NOT APPLICABLE
Belt pretensioner	YES STANDARD	NOT AVAILABLE	NOT AVAILABLE
Belt Loadlimiter	YES STANDARD	YES STANDARD	NOT AVAILABLE
knee airbag	NOT AVAILABLE	NOT AVAILABLE	NOT APPLICABLE
SIDE CRASH PROTECTION			
Side head curtain airbag	YES STANDARD	YES STANDARD	YES STANDARD
Side head (thorax head) airbag	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Side Chest airbag	YES STANDARD	YES STANDARD	NOT AVAILABLE
Side pelvis airbag	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
CHILD PROTECTION			
ISOFIX	NOT APPLICABLE	NOT AVAILABLE	YES OUTBOARD SEATS
Integrated CRS	NOT APPLICABLE	NOT AVAILABLE	NO
Airbag cut-off switch	NOT APPLICABLE	YES MANUAL	NOT APPLICABLE
SAFETY ASSIST			
Seat Belt Reminder (SBR)	YES STANDARD	YES STANDARD	YES STANDARD
OTHER SAFETY SYSTEMS			
ESC standard	YES STANDARD		
GTR 9 - UN 127 Pedestrian protection	NO PEDESTRIAN PROTECTION		
AEB Pedestrian	NO-JUST OPTIONAL		
AEB City	NO-JUST OPTIONAL		
AEB inter-Urban	NO-JUST OPTIONAL		
Speed Assist System	YES STANDARD		
Lane Assist system	NO-JUST OPTIONAL		



FRONTAL OFFSET DEFORMABLE BARRIER 9.68 p

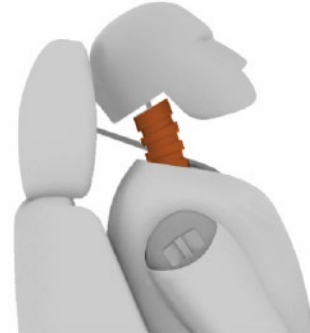


FRONTAL DRIVER

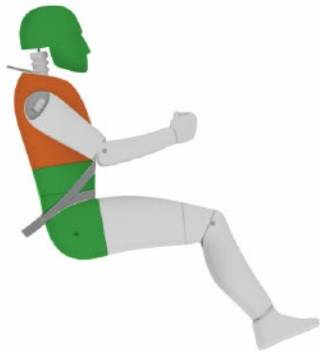


FRONTAL PASSENGER

WHIPLASH REAR IMPACT 1.66 p



SIDE MOVABLE DEFORMABLE BARRIER TEST (car) 7.21 p



SIDE POLE IMPACT TEST (Pole) 6.76 p



PROTECTION ■ GOOD ■ ADEQUATE ■ MARGINAL ■ WEAK ■ POOR

UN R32 (max 1 point)	1
AEB City (max 3 points)	NO TEST
Rescue Sheet (max 1 point)	1

FUEL LEAKAGE DETECTED IN ANY TEST CONFIGURATION NO

Adult Occupant

27.32 points 68.30%

COMMENTS

Adult Occupant - Frontal impact: The protection offered to the driver and passenger head and neck was good, Driver’s chest was weak and passenger chest was adequate. Driver's knees showed marginal protection and passenger’s left knee showed marginal protection as they can impact dangerous structures behind the fascia. Passenger right knee showed good protection. Driver and passenger’s tibias showed adequate protection. Footwell area was rated as unstable. The bodyshell was rated as unstable and it is not capable of withstanding further loadings. **Side impact:** Head, abdomen and pelvis protection was good while chest protection was marginal. **Side Pole Impact:** head and pelvis protection was good, chest protection was marginal abdomen protection was adequate. Whiplash: the seat showed marginal protection to the adult neck. **UN R32:** the car meet the rear impact structure requirements. **AEB City:** the car offers AEB City as optional but was not assessed due to not meeting Latin NCAP availability requirements. **Rescue sheet:** available according to Latin NCAP criteria.



CHILD RESTRAINT SYSTEM

Dynamic score:
15.68 (max 24)

Installation score:
12.00 (max 12)

Vehicle assessment score:
9.00 (max 13)

	CHILD RESTRAINT	DYNAMIC SCORE	CRS TYPE	ADJUST	POSITION
18 month old child	Joie Spin 360	Front 7.68 (8 max) Side 4.00 (4 max)	0+/I	ISOFIX/LEG	RWF
3 year old child	Joie Spin 360	Front 8.00 (8 max) Side 4.00 (4 max)	0+/I	ISOFIX/LEG	RWF

	Front Passenger	2nd row outboard	2nd row centre
ISOFIX	NOT AVAILABLE	YES STANDARD	NOT AVAILABLE
I-Size	NOT AVAILABLE	YES STANDARD	NOT AVAILABLE
Integrated CRS	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

CRS INSTALLATION ASSESSMENT

REFERENCE LIST	2ND ROW			
	RIGHT	LEFT	CENTER	RIGHT
Group 0+ Peg Perego Viaggio Switchable	●	●	●	●
Group 0+ Roemer Baby Safe	○	●	○	●
Group 0+ Bébé Confort Streety Fix / Maxi Cosi Citi SPS	●	●	●	●
Group I Peg Perego Viaggio Switchable FWF	●	●	●	●
Group I Graco Cadeira Nautilus FWF	●	●	●	●
Group II/III Burigotto Multipla 1,2,3	●	●	●	●
Group II/III Graco Cadeira Nautilus	●	●	●	●
MANUFACTURER	RIGHT	LEFT	CENTER	RIGHT
Q1.5 Joie Spin 360 ISOFIX/LEG	○	●	○	●
Q3 Joie Spin 360 ISOFIX/LEG	○	●	○	●

● Pass

✗ Fail

○ Exempt

*Fail only due to failed marking



child Occupant

36.68 points 74.85%



COMMENTS

Child Occupant - The child seat for the 3-year-old child was installed rearward facing using ISOFIX anchorages and support leg. It was capable of preventing head exposure and offered good protection. The Q1.5 was installed rearward facing using ISOFIX anchorages and support leg, the CRS prevented the head exposure offering full protection. Side Impact: Both CRSs offered full protection. All of the CRSs tested for installation passed. The car has ISOFIX anchorages as standard, meeting also i-size marking requirements. All seating positions are equipped with three-point seatbelts. Airbag warning when a rearward CRS is installed in the passenger seat meets Latin NCAP requirements. The car has passenger airbag disconnection via manual switch as standard.



PEDESTRIAN PROTECTION (pasive)

16.47 points

The car does not prove to meet UN127/GTR9 pedestrian regulation



	Points	max score
Head impact	12.26	24
Upper Leg impact (Pelvis)	1.23	6
Low Leg impact (Leg)	2.99	6

AEB PEDESTRIAN

NO TEST

Balance factor for Pedestrian protection (until 2022)

15%

Name of System	-
speed range Minimum (km/h)	-
speed range Maximum (km/h)	-
Type of dummy used	-
Dummy speed	-
Obstruction scenario used	-

PERFORMANCE

Test Speed (km/h)	Test Speed (km/h)	CONTACT AVOIDED
20km/h to 30km/h	-	-
30km/h to 40km/h	-	-
More than 40km/h	-	-

● Pass

✗ Fail

— NOT AVAILABLE



PEDESTRIAN PROTECTION

16.47 points 34.32 %

COMMENTS

Pedestrian Protection - The car does not prove to meet Pedestrian protection UN127 regulations. The car showed majority of head impact areas with marginal and adequate protection. Some areas towards the windshield and A-pillar showed poor protection. Upper leg performance was overall poor and marginal, lower leg performance was weak and marginal. AEB VRU: the car offers AEB VRU as optional but not meeting Latin NCAP availability requirements, it was not assessed.



SPEED ASSISTANCE **3.00 points**
(this feature scores only if it is standard in all versions)

SEAT BELT REMINDER **10.00 points**
(this feature scores only if it is standard in all versions)

Warning	Driver	Passenger	Rear Passenger
Visual	✓	✓	✓
Audible	✓	✓	✓

LANE SUPPORT SYSTEMS **NO TEST**

LDW is not available according to Latin NCAP requirements
 LKA is not available according to Latin NCAP requirements

System Name	-
Functionality	-
Operational from (km/h)	-
Warning	-

PERFORMANCE

LKA Test	-
LDW Test	-

ROAD EDGE DETECTION *(this feature scores only if it meets the fittment rates required)* **NO TEST**

-

BLIND SPOT DETECTION *(this feature scores only if it meets the fittment rates required)* **NO TEST**

-

ESC **15 points**

ESC IS STANDARD IN ALL VERSIONS
 ESC Meets regulatory requirements of Latin NCAP

MOOSE TEST - for information only - no scoring

ADAC MOOSE TEST

Max Speed Achieved in test without failures (km/h)	85
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MOOSE TEST: CONSUMER TESTING

Max Speed Achieved in test without failures (km/h)	70
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AEB Interurban **NO TEST**

System Name	-
Functionality	-
Operational from (km/h)	-

PERFORMANCE

	AEB	Driver Reacts to warning
Operational Speed (km/h) Min Max	-	-
Approaching a slower moving car	-	-

FOLLOWING A CAR AT SHORT DISTANCE

	AEB	Driver Reacts to warning
Car in front brakes gently	-	-
Car in front brakes harshly	-	-

FOLLOWING A CAR AT LONG DISTANCE

	AEB	Driver Reacts to warning
Car in front brakes gently	-	-
Car in front brakes harshly	-	-

SAFETY ASSIST

28.00 points 65.12%

COMMENTS

Safety Assist - SBR: The car offers SBR in all seating positions. **ESC:** The car offers ESC as standard. The Moose test performance reached a maximum of 85 km/h under ADAC Moose test and 70 km/h under Consumer magazine Moose test. **SA:** the car offers a speed limitation device as standard. **BSD:** The car does offers BSD but does not meet Latin NCAP availability requirements, it was not tested. **LSS and RED:** The car does offer LSS and RED but does not meet Latin NCAP availability requirements, it was not tested. **AEB Interurban:** The car does offer AEB Inter Urban but does not meet Latin NCAP availability requirements, it was not tested.



Latin NCAP

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