



Hyundai HB20 + 2 Airbags



	ADULT OCCUPANT	19 %
	CHILD OCCUPANT	10 %
	PEDESTRIAN PROTECTION	43 %
	SAFETY ASSIST	14 %

SPECIFICATIONS

Tested model	Hyundai HB20
Body type	5 door Hatchback / Sedan
Year of publication	2020
Crash test weight (KG)	1291
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	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Side head (thorax head) airbag	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
Side Chest airbag	NO-JUST OPTIONAL	NO-JUST OPTIONAL	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	NO	NOT APPLICABLE
SAFETY ASSIST			
Seat Belt Reminder (SBR)	YES STANDARD	YES STANDARD	NOT AVAILABLE
OTHER SAFETY SYSTEMS			
ESC standard		NO-JUST OPTIONAL	
GTR 9 - UN 127 Pedestrian protection		NOT AVAILABLE	
AEB Pedestrian		NO-JUST OPTIONAL	
AEB City		NO-JUST OPTIONAL	
AEB inter-Urban		NOT AVAILABLE	
Speed Assist System		NOT AVAILABLE	
Lane Assist system		NO-JUST OPTIONAL	



FRONTAL OFFSET DEFORMABLE BARRIER 10.49 p

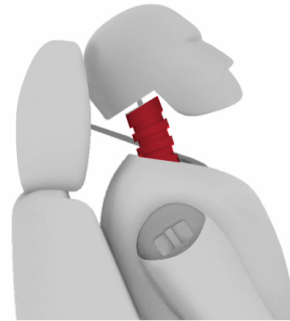


FRONTAL DRIVER



FRONTAL PASSENGER

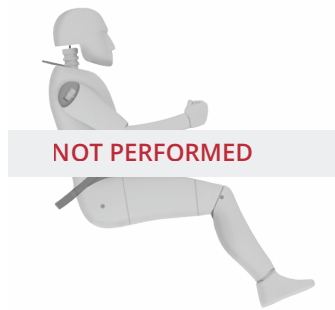
WHIPLASH REAR IMPACT 0.13 p



SIDE MOVABLE DEFORMABLE BARRIER TEST (car) 0 p



SIDE POLE IMPACT TEST (Pole) 0 p



PROTECTION ■ GOOD ■ ADEQUATE ■ MARGINAL ■ WEAK ■ POOR

UN R32 (max 1 point)	1
AEB City (max 3 points)	0
Rescue Sheet (max 1 point)	0

FUEL LEAKAGE DETECTED IN ANY TEST CONFIGURATION NO

Adult Occupant

7.63 points 19.07 %

COMMENTS

Adult occupant: The protection offered to the driver and passenger’s head and neck was good. Driver chest showed marginal protection and passenger chest showed adequate protection. Driver and one passenger’s knees showed marginal protection as they can impact with dangerous structures behind the fascia, the other passenger’s knee showed good protection. Driver and passenger’s tibias showed adequate protection. Footwell area was rated as stable. The bodyshell was rated as stable and it is capable of withstanding further loadings. **Side impact:** Head and pelvis protection was good, abdomen protection was marginal and chest protection was poor. **Side Pole Impact:** was not performed as the car does not offer side head protection as standard. **Whiplash:** poor dynamic score. **UN R32:** the car meet the rear impact structure requirements. **AEB City:** as the car does not offer ESC as standard (precondition) and also as it did not reach minimum score in this box, AEB points could not be considered, also fitment rates would also need to be matched. **Rescue Sheet:** not available.



CHILD OCCUPANT

Crash Test performance based on 3 and 1.5 years old children

4.75 points 9.69 %

CHILD RESTRAINT SYSTEM

Dynamic score:
0.00 (max 24)

Installation score:
3.75 (max 12)

Vehicle assessment score:
1.00 (max 13)

	CHILD RESTRAINT	DYNAMIC SCORE	CRS TYPE	ADJUST	POSITION
18 month old child	Britax Roemer Baby Safe	Frontal 8.00 (8 max) Side 4.00 (4 max)	0+/I	ISOFIX/LEG	RWF
3 year old child	Britax Roemer Duo Plus	Frontal 1.43 (8 max) Side 4.00 (4 max)	0+/I	ISOFIX/TT	FWF

	Front Passenger	2nd row outboard	2nd row centre
ISOFIX	NOT AVAILABLE	YES STANDARD	NOT AVAILABLE
I-Size	NOT AVAILABLE	NOT AVAILABLE	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 Streey 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 Britax Roemer Baby Safe	✗	✗	○	✗
Q3 Britax Roemer Duo Plus	○	✗	○	✗

● Pass

✗ Fail

○ Exempt

*Fail only due to failed marking



child Occupant

4.75 points 9.69%



COMMENTS

Child occupant: The child seat for the 3 year old child was installed forward facing using ISOFIX anchorages and top tethers and was just capable of preventing excessive forward movement of the head. Neck protection was poor and chest showed low protection during the frontal impact. The restraint system for the CRS failed due to the backrest unlatch under Top tether load. The Q1.5 was installed rearward facing using ISOFIX connectors and a support leg while it offered good protection to the head neck and chest. Side impact: Both dummies showed good protection. Some of the CRSs that were assessed for installation passed. The marking and instructions in the car in relation to CRS in front passenger seat meets Latin NCAP requirements. ISOFIX and top tether marking did not meet Latin NCAP requirements. Rear seat backrest bent and unlocked from the car on the Q3 side It is not possible to disable the passenger airbag in case a rearward facing CRS is installed in the frontal rearward facing.



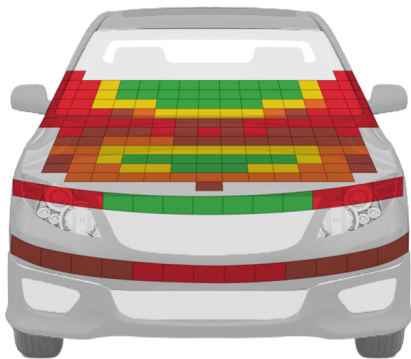
PEDESTRIAN PROTECTION (pasive)

20.52 points

the car does not meet pedestrian protection regulations

Balance factor for Pedestrian protection (until 2021)

15%



	Points	max score
Head impact	12.39	24
Upper Leg impact (Pelvis)	3.23	6
Low Leg impact (Leg)	2.23	6

AEB PEDESTRIAN

0.00 points

Balance factor for Pedestrian protection (until 2021)

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

20.52 points 42.75 %

COMMENTS

PEDESTRIAN PROTECTION: The car does not meet Pedestrian protection UN regulations. The car showed majority of areas with mid to low protection levels. AEB VRU: the car does not have ESC as standard and fitment rate has to be matched.



SPEED ASSISTANCE **0.00 points**

(this feature scores only if it is standard in all versions)

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

SEAT BELT REMINDER **6.00 points**

(this feature scores only if it is standard in all versions)

LANE SUPPORT SYSTEMS **0.00 points**

(this feature scores only if it meets the fitment rates required)

LDW is not available
LKA is not available

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

PERFORMANCE

LKA Test	-
LDW Test	-

ROAD EDGE DETECTION **0,00 points**

(this feature scores only if it meets the fitment rates required)

Not Available

BLIND SPOT DETECTION **0,00 points**

(this feature scores only if it meets the fitment rates required)

Not Available

ESC **0,00 points**

ESC is not standard in all versions

MOOSE TEST - for information only - no scoring

ADAC MOOSE TEST

Max Speed Achieved in test without failures (km/h)	0
--	---

MOOSE Test - Consumer test Based - SWEDEN

Max Speed Achieved in test without failures (km/h)	0
--	---

AEB Interurban **0,00 points**

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

PERFORMANCE

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

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	-	-



COMMENTS

ESC: The car does not offer ESC as standard. SBR: the car offers only front passengers SBR. SA: the car does not offer a speed limitation device. BSD: The car does not offer BSD. LSS and RED: the car does not have standard ESC and fitment rate must be matched. AEB Interurban: The car does not have AEB inter urban and does not have standard ESC.

