TEST RESULTS



Renault Rafale Standard Safety Equipment









SPECIFICATION

Tested Model	Renault Austral 1,3 Tce, LHD
Body Type	- 5 door MPV
Year Of Publication	2022
Kerb Weight	1502kg
VIN From Which Rating Applies	- all Rafale HEVs
Class	Large MPV



SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	•		—
Belt pretensioner	•		•
Belt loadlimiter	•		
Knee airbag	×	×	_
LATERAL CRASH PROTECTION			
Side head airbag	•		•
Side chest airbag	•		×
Side pelvis airbag	×	×	×
Centre Airbag	•		_

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	0	•
Integrated CRS	—	×	×
Airbag cut-off switch	—	•	—
SAFETY ASSIST			
Seat Belt Reminder	•	٠	•

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SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size		0	٠
Integrated CRS		×	×
Airbag cut-off switch	<u> </u>	•	_
SAFETY ASSIST			
Seat Belt Reminder			٠

OTHER SYSTEMS				
Active Bonnet	*			
AEB Vulnerable Road Users				
AEB Pedestrian - Reverse	Ο			
AEB Car-to-Car				
Speed Assistance				
Lane Assist System				

Note: Other equipment may be available on the vehicle but was not considered in the test year.

Fitted to the vehicle as standard

○ Not fitted to the test vehicle but available as option or as part of the safety pack

🗙 Not available 🛛 — Not applicable





Rear Impact



Rear Seat



Front Seat

3.6 / 4 Pts





Comments

The passenger compartment of the Rafale remained stable in the frontal offset test. Dummy numbers showed good protection of the knees and femurs of both the driver and passenger. Analysis of the driver's side dashboard after the test revealed some areas which could be more injurious to occupants of different sizes and to those sitting in different positions. Protection of the driver's chest was rated as marginal, based on dummy readings of compression. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the Austral would be a moderately benign impact partner in a frontal collision. In the full width rigid barrier test, dummy readings of chest compression revealed marginal protection of this body region for the rear passenger. All other critical body areas were rated as good or adequate, both for the driver and rear passenger. In the side barrier test, protection of all critical body regions was good. In the more severe side pole impact, chest protection was rated as marginal, based on dummy readings of rib compression. This is a poorer result than that of the Austral but does not affect the overall star rating. Limitation of occupant excursion - the extent to which the occupant is flung to the other side of the vehicle in a side impact. In Euro NCAP's test, the airbag performed well, with good protection of the heads of the front seat occupants. Tests on the front seats and head restraints demonstrated good protection against whiplash injures in the event of a rear-end collision. A geometric assessment of the rear seats also indicated good whiplash protection. The Rafalehas an advanced eCall system to alert the emergency services in the event of a collision and a system that automatically to avoid secondary collisions, although the latter was not assessed by Euro NCAP.





Restraint for 6 year old child: *Britax Römer KIDFIX i-Size* Restraint for 10 year old child: *Britax Römer KIDFIX 2R*

Safety Features

6.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	0	•	×
i-Size	0	•	×
Integrated CRS	×	×	×

🗙 Not available

Fitted to test car as standard

O Not on test car but available as option





ISOFIX CRS





🔄 CHILD OCCUPANT

Total 40.7 Pts / 83%

Universal Belted CRS



Maxi Cosi Cabriofix & EasyFix (Belt)





Cybex Solution Z i-Fix (Belt)



Comments

The Rafale provided good or adequate protection to all critical body areas of the 6 and 10 year dummies, both in the frontal offset test and the side barrier impact. The front passenger airbag can be disabled to allow a rearward-facing child 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. The user manual precludes the use of universal child restraints on the rear centre seat. Otherwise, all of the child restraints for which the Rafale is designed could be properly installed and accommodated in the car.



💪 CHILD OCCUPANT

Total 40.7 Pts / 83%

		Seat Position			
	Front		2nd row		
	PASSENGER	LEFT	CENTER	RIGHT	
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	•	•	_	•	
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	•	•			
BeSafe iZi Kid X2 i-Size (i-Size)	•	•		•	
Britax Römer TriFix2 i-Size (i-Size)	•	•		•	
BeSafe iZi Flex FIX i-Size (i-Size)	•	•		•	
BeSafe iZi Combi X4 ISOfix (ISOFIX)	•	•	_		
Cybex Solution Z i-Fix (ISOFIX)	•	•	_		
Maxi Cosi Cabriofix (Belt)	•	•	•		
Maxi Cosi Cabriofix & EasyFix (Belt)	•		×		
Britax Römer King II LS (Belt)	•		•		
Cybex Solution Zi-Fix (Belt)					

Comments

The Rafale provided good or adequate protection to all critical body areas of the 6 and 10 year dummies, both in the frontal offset test and the side barrier impact. The front passenger airbag can be disabled to allow a rearward-facing child 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. The user manual precludes the use of universal child restraints on the rear centre seat. Otherwise, all of the child restraints for which the Rafale is designed could be properly installed and accommodated in the car.





System Name	Active Emergency Braking System
Туре	Auto-Brake with Forward Collision Warning
Operational From	8 km/h

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VULNERABLE ROAD USERS Ŕ

Total 37.7 Pts / 69%

AEB Pedestrian

7.0 / 9 Pts

Day time

Vehicle reversing into standing pedestrian



Adult crossing the road



Adult along the roadside



Night time



Adult along the roadside

Pedestrian crossing a road into which a car is turning

Child running from behind parked vehicles







🕺 VULNERABLE ROAD USERS

Total 37.7 Pts / 69%

AEB Cyclist

7.9 / 9 Pts



Comments

The protection offered by the bonnet to the head of a struck pedestrian was predominantly good or adequate, with areas of weak and poor protection at the base of the windscreen and on the stiff windscreen pillars. The bumper provided good or adequate protection to pedestrians' legs at all test positions but protection of the pelvis was mixed. The Rafale's autonomous emergency braking (AEB) system detects vulnerable road users like pedestrians and cyclists, as well as other vehicles. In tests of the system's response to such road-users, performance was rated as good, with collisions avoided or mitigated in most test scenarios.





Occupant Status Monitoring

3.0 / 3 Pts





SAFETY ASSIST

Total 13.9 Pts / 87%

Lane Support	3.0 / 4 Pts
System Name	Lane Keep Assist
Туре	LKA and ELK
Operational From	65 km/h
PERFORMANCE	
Emergency Lane Keeping	ADEQUATE
Lane Keep Assist	GOOD
Human Machine Interface	GOOD
AEB Car-to-Car	5.5 / 6 Pts

System Name	Active Emergency Braking System
Туре	Autonomous emergency braking and forward collision warning
Operational From	7 km/h
Sensor Used	camera and radar





Total 13.9 Pts / 87%

Autobrake function only



Approaching a stationary car



Approaching a slower moving car



Approaching a braking car





Approaching a stationary car



Approaching a slower moving car



Approaching a slower moving car





Total 13.9 Pts / 87%

SAFETY ASSIST

Driver reacts to warning



Approaching a stationary car



Approaching a slower moving car



Approaching a braking car





Approaching a slower moving car



Approaching a slower moving car





🛜 SAFETY ASSIST

Total 13.9 Pts / 87%

Comments

The Rafale's autonomous emergency braking (AEB) system performed well in tests of its reaction to other vehicles, with impacts avoided in most test cases. A seatbelt reminder system, including occupant detection, is standard for all seats and the car is also equipped with a driver monitoring system, which monitors steering inputs for patterns which are characteristic of a fatigued or inattentive driver. Lane assistance corrects the car's path if it is drifting out of lane and which also intervenes in some more critical situations. A camera based speed assistance system recognises local speed limits, allowing the speed limiter to be set appropriately.



RATING VALIDITY

Variants of Model Range

Body Type	Engine	Drivetrain	Rating Applies	
			LHD	RHD
5 door MPV	1,2 Tce E-Tech 200 Hybride *	4 x 2	\checkmark	\checkmark

* Tested variant and Renault Austral 1.3 Tce, LHD

Annual Reviews and Facelifts

Date	Event	Outcome	
June 2024	Rating Published	2022 ★ ★ ★ ★	~