TEST RESULTS

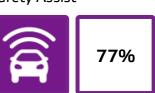


86%









SPECIFICATION

| Tested Model | BYD SEAL-U electric, LHD | | |
|-------------------------------|--------------------------|--|--|
| Body Type | - 5 door SUV | | |
| Year Of Publication | 2023 | | |
| Kerb Weight | 2147kg | | |
| VIN From Which Rating Applies | - all SEAL-U | | |
| Class | Small SUV | | |



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 | — | • | • |
| Integrated CRS | — | × | × |
| Airbag cut-off switch | — | • | — |
| Child presence detection | — | • | • |
| SAFETY ASSIST | | | |
| Seat Belt Reminder | • | • | • |



SAFETY EQUIPMENT (NEXT)

| OTHER SYSTEMS | |
|---------------------------------|---|
| Active Bonnet | × |
| AEB Vulnerable Road Users | • |
| AEB Pedestrian - Reverse | • |
| Cyclist Dooring Prevention | • |
| AEB Motorcyclist | • |
| AEB Car-to-Car | • |
| Speed Assistance | • |
| Lane Assist System | • |
| Fatigue / Distraction Detection | × |

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

- Fitted to the vehicle as standard
- dard O Fitted to the vehicle as part of the safety pack

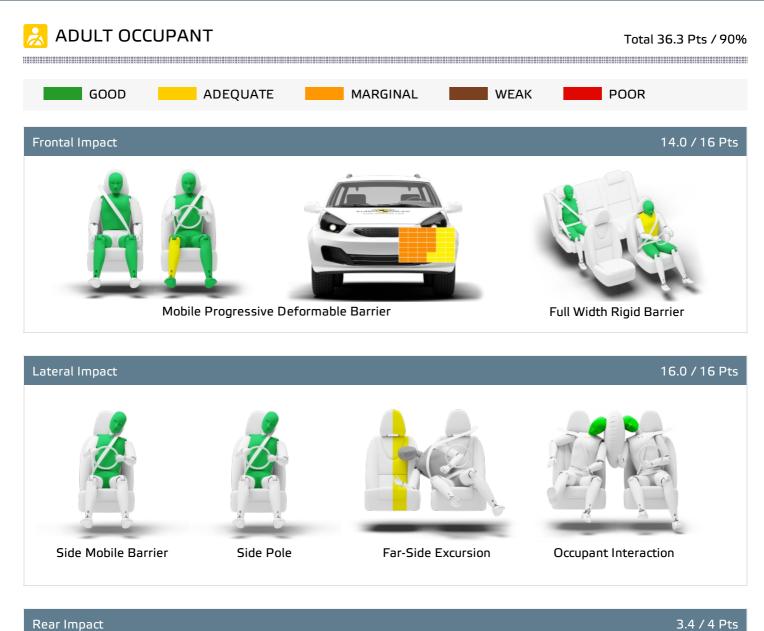
🗙 Not available

— Not applicable

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

Version 05122





Rear Impact



Rear Seat



Front Seat

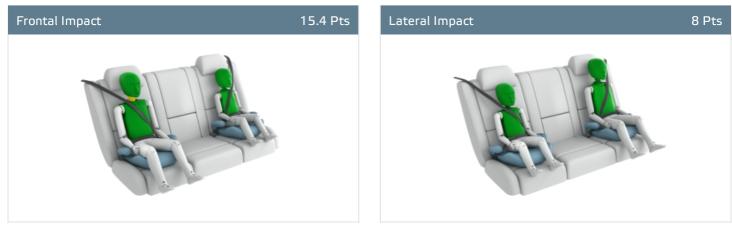


ADULT OCCUPANT Total 36.3 Pts / 90% GOOD ADEQUATE MARGINAL WEAK POOR **Rescue and Extrication** 3.0 / 4 Pts **Rescue Sheet** Available, ISO compliant PDF Advanced eCall Available Multi Collision Brake Available Submergence Check Compliant

Comments

The passenger compartment of the SEAL-U remained stable in the frontal offset test. Dummy numbers showed good protection of the knees and femurs of both the driver and passenger. BYD showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. Protection of the front seat passenger was good for all critical body areas. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the SEAL-U would be a moderately benign impact partner in a frontal collision. In the full-width rigid barrier test, protection of all critical body areas was good or adequate for the driver and good for all body areas of the rear passenger. In both the side barrier test and the more severe side pole impact, protection of all critical body is thrown to the other side of the vehicle when it is hit from the far side) was adequate. The SEAL-U has a counter-measure to mitigate against occupant to occupant injuries in such impacts and this performed well in the side pole impact. Tests on the front seats and head restraints demonstrated good protection. The SEAL-U has an advanced eCall system which alerts the emergency services in the event of a crash. The car also has a system which applies the brakes after an impact, to avoid secondary collisions. BYD demonstrated that if the car entered water the doors, if locked, could be opened within two minutes of power being lost and a hammer is provided to allow side windows to be broken to allow escape.





Restraint for 6 year old child: Britax Romer Kidfix i-Size Restraint for 10 year old child: Nania Booster Basic

Safety Features

Front 2nd row outboard Passenger Isofix × i-Size X Integrated CRS X X Top tether **Child Presence Detection** 🗙 Not available Fitted to test car as standard

Not on test car but available as option

CRS Installation Check

12.0 / 12 Pts

7.0 / 13 Pts

| 🛎i i-Size | Seat Position | | | | |
|----------------|---------------|--------------------------|------------|---------|-------|
| | Fro | nt | | 2nd row | |
| | | ⊗ ; ₹ 2 | Left | center | Right |
| Ľ | • | ٠ | • | × | • |
| Easy Difficult | • | Not allowed | Airbag OFF | | |





🔽 CHILD OCCUPANT

Total 42.4 Pts / 86%

| 🕲 Isofix | Seat Position | | | | |
|--|---------------|--------------------------|------|---------|-------|
| | Fro | nt | | 2nd row | |
| | | ⊗ ; ₹ 2 | Left | center | Right |
| | • | ٠ | • | × | ٠ |
| | × | ٠ | • | × | ٠ |
| Ľ | • | ٠ | • | × | • |
| Ľ | • | ٠ | • | × | • |
| | • | ٠ | • | × | • |
| | × | ٠ | • | × | • |
| Easy 😑 Difficult 😑 Safety critical 💥 Not allowed | | | | | |

🙀 Airbag ON Rearward facing restraint installation not allowed 🛛 💥 Airbag OFF

Seatbelt Attached Seat Position 2nd row ⊗. ∕2 Left center Right R. × E Ľ E X A X × 🛑 Difficult Safety critical 🔵 Easy 🗙 Not allowed Airbag OFF Airbag ON Rearward facing restraint installation not allowed



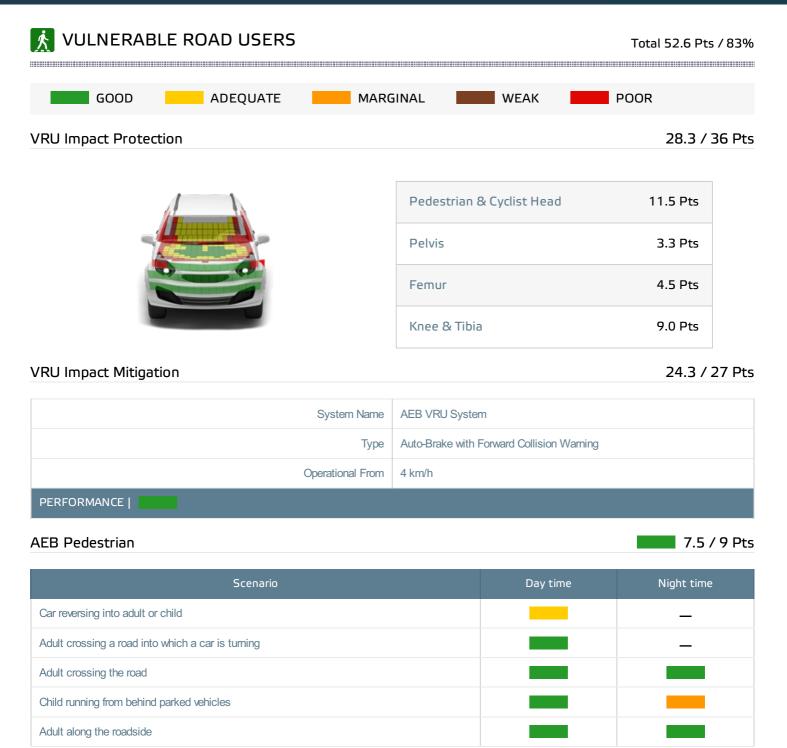
🔀 CHILD OCCUPANT

Total 42.4 Pts / 86%

Comments

In both the frontal offset and side barrier tests, good protection was provided to all critical body areas for both child dummies apart from the neck of the 10 year child, protection of which was adequate. 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 SEAL-U is equipped with 'child presence detection', a system which issues a warning when it recognises that a child or infant has been left in the car. However, the system did not meet Euro NCAP's requirements and was not rewarded. All of the child restraint types for which the SEAL-U is designed could be properly installed and accommodated in the car.



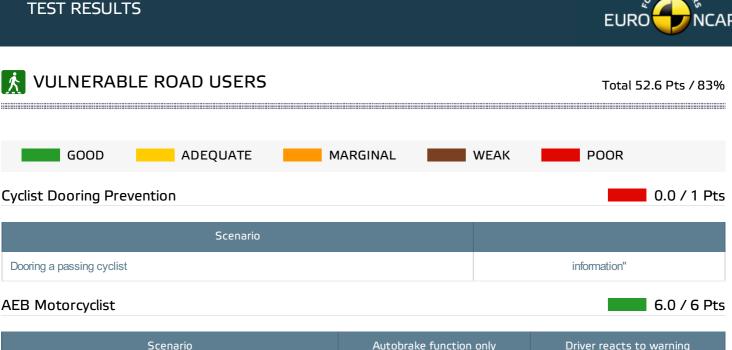


Currently not tested

AEB Cyclist

7.8 / 8 Pts

| Scenario | Day time |
|---|----------|
| Approaching cyclist crossing from behind parked parked vehicles | |
| Turning across path of an oncoming cyclist | |
| Approaching a crossing cyclist | |
| Approaching a cyclist along the roadside | |



| Scenario | Autobrake function only | Driver reacts to warning |
|--|-------------------------|--------------------------|
| Approaching a stationary motorcyclist | | |
| Approaching a braking motorcyclist | | |
| Turn across the path of an oncoming motorcyclist | | _ |

Currently not tested

Lane Support Motorcyclist

| Scenario | Day time |
|---|----------|
| Changing lane across the path of an oncoming motorcyclist | |
| Changing lane across the path of an overtaking motorcyclist | |

Comments

Protection of the head of a struck pedestrian or cyclist was predominantly good or adequate, with poor results recorded at the base of the windscreen and on the stiff windscreen pillars. Protection of the pelvis was predominantly good while that of the femur and the knee and tibia was at good at all test locations. The autonomous emergency braking (AEB) system of the BYD can respond to vulnerable road users as well as to other vehicles. The system performed well in tests of its response to pedestrians. The system also scored highly in tests of its reaction to cyclists, but not for dooring, in which the car prevents or warns against door opening if a cyclist is approaching from behind. The AEB system performed well in all tests of its response to motorcyclists and scored full points.

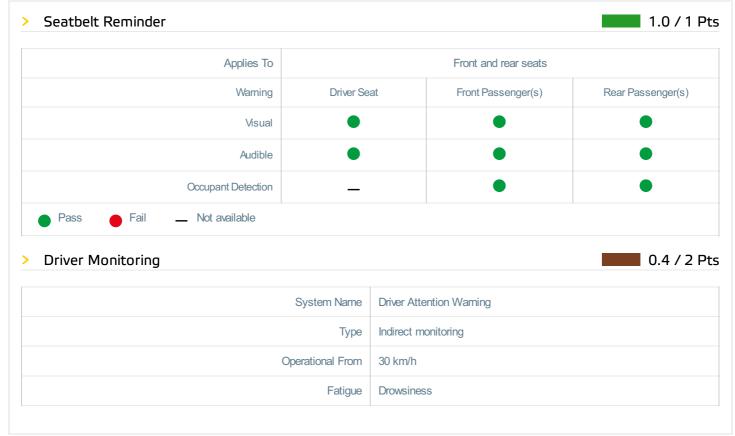
3.0 / 3 Pts





Occupant Status Monitoring

1.4 / 3 Pts



Version 051223

Euro NCAP © BYD SEAL-U Dec 2023 11/14



SAFETY ASSIST

Total 13.9 Pts / 77%

| Lane Support | 3.0 / 3 Pts |
|-------------------------|---|
| System Name | Lane Departure Assist and Emergency Lane Keeping Assist |
| Туре | LKA and ELK |
| Operational From | 50 km/h |
| PERFORMANCE | |
| Emergency Lane Keeping | GOOD |
| Lane Keep Assist | GOOD |
| Human Machine Interface | GOOD |
| | |

AEB Car-to-Car

6.9 / 9 Pts

| System Name | Autonomous Emergency Brake |
|------------------|--|
| Туре | Autonomous emergency braking and forward collision warning |
| Operational From | 4 km/h |
| Sensor Used | camera and radar |

| Scenario | Autobrake function only | Driver reacts to warning |
|--|-------------------------|--------------------------|
| Approaching a car crossing a junction | | |
| Approaching a car head-on | | _ |
| Turning across the path of an oncoming car | | _ |
| Approaching a stationary car | | |
| Approaching a slower moving car | | _ |
| Approaching a braking car | | _ |

Currently not tested



SAFETY ASSIST

Total 13.9 Pts / 77%

Comments

Overall, the autonomous emergency braking (AEB) system of the BYD SEAL-U performed well in tests of its reaction to other vehicles, but did not score for the head-on scenarios. A seatbelt reminder system is fitted as standard to the front and rear seats and the car scored some points for driver status monitoring. The lane support system gently corrects the vehicle's path if it is drifting out of lane and also intervenes in some more critical situations. The speed assistance system identifies the local speed limit, and the driver can choose to allow the limiter to be set automatically by the system.



RATING VALIDITY

Variants of Model Range

| Body Type | Engine | Model Name/Code | Drivetrain | Rating Applies | |
|------------|----------|-----------------|------------|----------------|-----|
| | | | | LHD | RHD |
| 5 door SUV | Electric | Design * | 4 x 2 | \checkmark | - |
| 5 door SUV | Electric | Comfort | 4 x 2 | \checkmark | - |

* Tested variant

Annual Reviews and Facelifts

| Date | Event | Outcome | |
|---------------|------------------|--------------|---|
| December 2023 | Rating Published | 2023 ★ ★ ★ ★ | ~ |