



**Volvo EX30**  
Standard Safety Equipment

2024



Adult Occupant



88%

Child Occupant



85%

Vulnerable Road Users



79%

Safety Assist



80%

## SPECIFICATION

Tested Model	Volvo EX30 Plus, Single Motor Extended Range
Body Type	- 5 door SUV
Year Of Publication	2024
Kerb Weight	1775kg
VIN From Which Rating Applies	- all EX30s
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    ○ Fitted to the vehicle as part of the safety pack  
 ○ Not fitted to the test vehicle but available as option or as part of the safety pack    ✘ Not available    — Not applicable

 ADULT OCCUPANT

Total 35.3 Pts / 88%


 GOOD     ADEQUATE     MARGINAL     WEAK     POOR

Frontal Impact 13.7 / 16 Pts




Mobile Progressive Deformable Barrier      Full Width Rigid Barrier

Lateral Impact 15.0 / 16 Pts



Side Mobile Barrier      Side Pole      Far-Side Excursion      Occupant Interaction

Rear Impact 4.0 / 4 Pts




Rear Seat      Front Seat

 ADULT OCCUPANT

Total 35.3 Pts / 88%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Rescue and Extrication		2.7 / 4 Pts
Rescue Sheet	Available, ISO compliant	
Advanced eCall	Available	
Multi Collision Brake	Available	
Submergence Check	Compliant	

## Comments

The passenger compartment of the Volvo EX30 remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs for the driver and front passenger. Volvo did not demonstrate that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions, and the car was penalised. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the Volvo EX30 would be a benign impact partner in a frontal collision. In the full-width rigid barrier test, protection of the chest of the rear passenger was rated as marginal, based on dummy readings of compression. Otherwise, protection was good for the driver and rear passenger. In the side barrier test, full points were scored, with good protection of all critical body regions. In the more severe side pole impact, protection of the chest was weak but that of other parts of the body was good. Control of excursion (the extent to which a body is thrown to the other side of the vehicle when it is hit from the far side) was found to be adequate. The Volvo EX30 has a countermeasure to mitigate against occupant-to-occupant injuries in such impacts. The airbag performed well in Euro NCAP's tests with dummy readings indicating good protection for both the driver and passenger. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric analysis of the rear seats also indicated good whiplash protection. The car has an advanced eCall system which alerts the emergency services in the event of a crash, and a system to prevent secondary impacts after the car has been in a collision. Volvo demonstrated that the doors and windows would be openable to allow occupants to escape in the event of vehicle submergence.

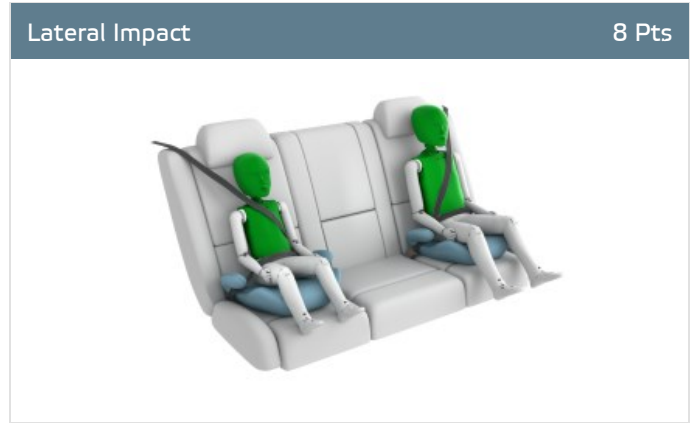
**CHILD OCCUPANT**

Total 42.0 Pts / 85%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

24.0 / 24 Pts



Restraint for 6 year old child: *Volvo Booster Seat*  
 Restraint for 10 year old child: *Volvo Booster Cushion*

**Safety Features**

6.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	✗	●	✗
i-Size	✗	●	✗
Integrated CRS	✗	✗	✗
Top tether	✗	●	✗
Child Presence Detection	✗	✗	✗

● Fitted to test car as standard   
 ○ Not on test car but available as option   
 ✗ Not available

**CRS Installation Check**

12.0 / 12 Pts

i-Size	Seat Position				
	Front		2nd row		
			Left	center	Right
	—	—	●	—	●

● Easy   
 ● Difficult   
 ● Safety critical   
 ✗ Not allowed  
✗ Airbag ON   
 Rearward facing restraint installation not allowed   
✗ Airbag OFF

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**CHILD OCCUPANT**

Total 42.0 Pts / 85%

Isofix	Seat Position				
	Front		2nd row		
			Left	center	Right
	-	-	●	-	●
	-	-	●	-	●
	-	-	●	-	●
	-	-	●	-	●
	-	-	●	-	●
	-	-	●	-	●

● Easy    ● Difficult    ● Safety critical    ✗ Not allowed  
 Airbag ON    Rearward facing restraint installation not allowed    Airbag OFF

Seatbelt Attached	Seat Position				
	Front		2nd row		
			Left	center	Right
	✗	●	●	●	●
	●	✗	●	●	●
	●	✗	●	●	●
	●	✗	●	●	●
	●	✗	●	✗	●
	✗	●	●	✗	●

● Easy    ● Difficult    ● Safety critical    ✗ Not allowed  
 Airbag ON    Rearward facing restraint installation not allowed    Airbag OFF

Version 021224



## CHILD OCCUPANT

Total 42.0 Pts / 85%

## Comments

In both the frontal offset and side barrier tests, protection of all critical parts of the body was good for the 6 and 10 year dummy, and the Volvo EX30 scored maximum points in this part of the assessment. 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 EX30 is not equipped with a 'child presence detection' system, which issues a warning when it recognises that a child or infant may have been left in the car. All of the child restraint types for which the Volvo EX30 is designed could be properly installed and accommodated in the car, apart from the iSize restraint in the rear centre position.



**VULNERABLE ROAD USERS**

Total 50.4 Pts / 79%



**VRU Impact Protection**

29.2 / 36 Pts



Pedestrian & Cyclist Head	11.3 Pts
Pelvis	4.4 Pts
Femur	4.5 Pts
Knee & Tibia	9.0 Pts

**VRU Impact Mitigation**

21.2 / 27 Pts

System Name	Safe Space Technology
Type	Auto-Brake with Forward Collision Warning
Operational From	4 km/h

PERFORMANCE |

**AEB Pedestrian**

5.2 / 9 Pts

Scenario	Day time	Night time
Car reversing into adult or child		
Adult crossing a road into which a car is turning		
Adult crossing the road		
Child running from behind parked vehicles		
Adult along the roadside		

Currently not tested

**AEB Cyclist**

7.1 / 8 Pts

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

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**VULNERABLE ROAD USERS**

Total 50.4 Pts / 79%

GOOD
  ADEQUATE
  MARGINAL
  WEAK
  POOR

**Cyclist Dooring Prevention**  0.0 / 1 Pts

Scenario	
Dooring a passing cyclist	information, all side doors"

**AEB Motorcyclist**  5.9 / 6 Pts

Scenario	Autobrake function only	Driver reacts to warning
Approaching a stationary motorcyclist	<span style="display: inline-block; width: 15px; height: 15px; background-color: green;"></span>	<span style="display: inline-block; width: 15px; height: 15px; background-color: green;"></span>
Approaching a braking motorcyclist	<span style="display: inline-block; width: 15px; height: 15px; background-color: green;"></span>	<span style="display: inline-block; width: 15px; height: 15px; background-color: green;"></span>
Turn across the path of an oncoming motorcyclist	<span style="display: inline-block; width: 15px; height: 15px; background-color: green;"></span>	—

— Currently not tested

**Lane Support Motorcyclist**  3.0 / 3 Pts

Scenario	Day time
Changing lane across the path of an oncoming motorcyclist	<span style="display: inline-block; width: 15px; height: 15px; background-color: green;"></span>
Changing lane across the path of an overtaking motorcyclist	<span style="display: inline-block; width: 15px; height: 15px; background-color: green;"></span>

**Comments**

Protection of the head of a struck pedestrian or cyclist was predominantly good or adequate, with poor results recorded only on the stiff windscreen pillars. Protection of the pelvis was good at almost all test locations. Protection of the femur and that of the knee and tibia was good at all test locations, and the car scored maximum points in this part of the assessment. The autonomous emergency braking (AEB) system of the Volvo can respond to vulnerable road users as well as to other vehicles. The system's response both to pedestrians was adequate, but protection of pedestrians to the rear of the car was not on by default. The system's performance in tests of its reaction to cyclists was also good, but protection against 'dooring', where a door is suddenly opened in the path of a cyclist approaching from behind, is not turned on by default at the start of every journey. Performance of the AEB system was good in tests of its response to motorcyclists, scoring full points in this part of the assessment.

**SAFETY ASSIST**

Total 14.4 Pts / 80%

GOOD
  ADEQUATE
  MARGINAL
  WEAK
  POOR

**Speed Assistance**  2.1 / 3 Pts

System Name	Safe Space Technology
Speed Limit Information Function	Camera & Map, subsigns supported
Speed Limitation Function	Intelligent ACC (accurate to 5km/h)

**Occupant Status Monitoring**  1.6 / 3 Pts

**> Seatbelt Reminder**  1.0 / 1 Pts

Applies To	Front and rear seats		
Warning	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Visual	●	●	●
Audible	●	●	●
Occupant Detection	—	●	●

● Pass   
 ● Fail   
 — Not available

**> Driver Monitoring**  0.6 / 2 Pts

System Name	Driver Alert
Type	Direct eye monitoring
Operational From	10 km/h
Fatigue	Microsleep and Sleep
Distraction	Long and Short Distraction

SAFETY ASSIST

Total 14.4 Pts / 80%

Lane Support

3.0 / 3 Pts

System Name	Safe Space Technology
Type	LKA and ELK
Operational From	65 km/h
<b>PERFORMANCE</b>	
Emergency Lane Keeping	GOOD
Lane Keep Assist	GOOD
Human Machine Interface	GOOD

AEB Car-to-Car

7.8 / 9 Pts

System Name	Safe Space Technology
Type	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 14.4 Pts / 80%

## Comments

Overall, the performance of the autonomous emergency braking (AEB) system was good in tests of its reaction to other vehicles, with impacts being avoided in most tests. A seatbelt reminder system is fitted as standard to the front and rear seats. The car has a direct driver status monitoring system as standard, detecting driver fatigue and several types of distraction. 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. 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	Drivetrain	Rating Applies	
				LHD	RHD
5 door SUV	E400V18 electric	Core Plus * Ultra	4 x 2	✓	✓
5 door SUV	E400V14 electric	Plus Ultra	4 x 4	✓	✓
5 door SUV	E400V10 electric	Core Plus	4 x 4	✓	✓

\* Tested variant

### Annual Reviews and Facelifts

Date	Event	Outcome
December 2024	Rating Published	2024 ★★★★★ ✓