

TEST RESULTS

Volvo C30

Volvo C30, 1.8 Momentum, LHD

2009 ★★★★★



91%

ADULT OCCUPANT



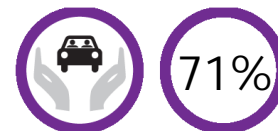
78%

CHILD OCCUPANT



26%

PEDESTRIAN



71%

SAFETY ASSIST

ADULT OCCUPANT

Total 33 pts | 91%

FRONTAL IMPACT

15 pts



Driver



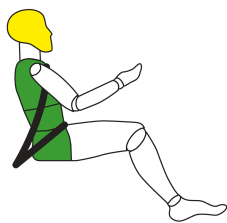
Passenger

SIDE IMPACT CAR

7,5 pts

SIDE IMPACT POLE

7,1 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,2 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	24mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	yes: knee bolster, steering column and column shroud
Concentrated loads on knees	none

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	brake - 26mm
Upward pedal movement	brake - 8mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard Seat, Cloth, 6 way, Manual
Head restraint type	Fixed
Geometric assessment	0,4 pts

TESTS

- High severity	1,9 pts
- Medium severity	2,8 pts
- Low severity	2,6 pts

TEST RESULTS

CHILD OCCUPANT

Total 38 pts | 78%

18 MONTH OLD CHILD

Restraint Volvo child restraint
Group 0, 0+, 1
Facing rearward
Installation Adult seatbelt and CRS support leg



PERFORMANCE 12 pts
INSTRUCTIONS 4 pts
INSTALLATION 2 pts

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load good

SIDE IMPACT

Head containment protected
Head acceleration good

3 YEAR OLD CHILD

Restraint Volvo child restraint
Group 0, 0+, 1
Facing rearward
Installation Adult seatbelt and CRS support leg



PERFORMANCE 12 pts
INSTRUCTIONS 4 pts
INSTALLATION 2 pts

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load good

SIDE IMPACT

Head containment protected
Head acceleration good

VEHICLE BASED ASSESSMENT

2 pts

Airbag warning Label

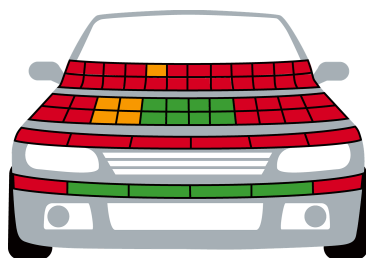
Non-permanent pictogram label on end of facia and non-permanent text warning on A-pillar

PEDESTRIAN

Total 9 pts | 26%

SAFETY ASSIST

Total 5 pts | 71%



GOOD
MARGINAL
POOR

HEAD 5,2 pts
PELVIS 0 pts
LEG 4 pts

SPEED LIMITATION ASSISTANCE 0 pts

- , not available

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- standard

SEATBELT REMINDER 2 pts

- driver 1 pts
 - passenger 1 pts

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Volvo C30, 1.8 Momentum, LHD
Body type	3 door hatchback
Year of publication	2009
Kerb weight	1352kg
VIN from which rating applies	applies to all C30's of the spec tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	dual stage
Front passenger frontal airbag	dual stage
Side body airbags	
Side head airbags	

COMMENTS

The Volvo C30 was originally assessed by Euro NCAP in 2007. Whiplash tests have been done to supplement the original test data, and a rating has been calculated according to the new requirements of 2009. There is no change to specification of the car or its safety equipment from the one tested in 2007.

Adult occupant

The steering-wheel moved forward during the impact to provide greater protection for the driver. The driver dummy scored maximum points in the test but the car lost points because of some stiff structures in the dashboard which might affect the knees or femurs of larger or smaller occupants. The car scored maximum points based on the dummy results in the side impact. However, the head curtain airbag was prevented from deploying fully by the child restraint system in the rear seat and the score for the driver's head was penalised as a result. In the side pole test, dummy readings of rib deflection indicated marginal chest protection. The front seats and head restraints provided good protection against whiplash injury in the event of a rear-end collision.

Child occupant

The C30 scored maximum points for its protection of the 1½ year old in the dynamic tests. The passenger airbag can be disconnected by Volvo dealers, allowing a rearward-facing child restraint to be used in that seating position. Volvo also offer an airbag deactivation switch as an option. However, the switch system does not provide clear information to the driver regarding the status of the passenger airbag. The presence of ISOFIX and top-tether anchorages was not clearly marked.

Pedestrian

The leading edge of the bonnet scored no points for the protection it offered to pedestrians' legs and the bonnet was predominantly rated as poor for the protection of adults' heads. However, the protection offered by the bumper was predominantly rated 'fair'.

Safety assist

Electronic Stability Control is standard equipment across the model range, as is a seatbelt reminder system for the driver and front passenger seats.