

Volvo V50 DRIVe

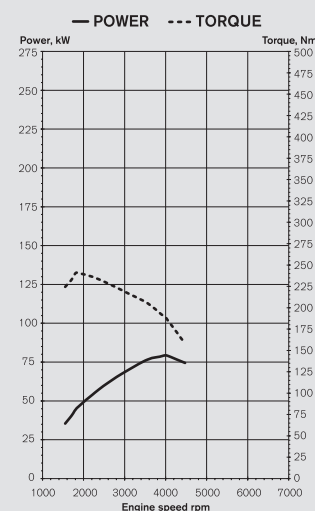
CONT'D VOLVO V50 DRIVe →

ENGINES

Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Combustion chamber type
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm.
Max torque, Nm/rpm.

DIESEL 1.6 DRIVe
In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1560
75.0
83.3
Aluminium
Aluminium
Pent-roof
18.3:1
4
2
Common rail electronic fuelling
1-3-4-2
790
Cetane Number min48
80 (109)/4000
240/1750

POWER AND TORQUE →



Manual gearbox/final drive
Automatic gearbox/final drive
PERFORMANCE
Gearbox
Acceleration, 0–100 km/h (sec)
Top speed, km/h
Fuel consumption l/100 km (Combined)
CO ₂ g/km

MTX75D1/ 3.41
Manual
11.5
190
4.0
107

TRANSMISSIONS

5- or 6-speed manual gearbox.
5-speed adaptive automatic transmissions with Geartronic, electronically controlled, with lock-up.

RATIO	MTX75D1
First	3.800
Second	2.048
Third	1.258
Fourth	0.865
Fifth	0.674
Sixth	–
Reverse	3.727

MEASUREMENTS AND VOLUMES**EXTERIOR MEASUREMENTS (CM)**

Length	452,2
Width	177.0
Height, curb	145.7
Wheelbase	264.0
Track, front, (15"/16"-17")	154.8/153.5
Track, rear, (15"/16"-17")	154.4/153.1
Ground clearance, curb	13.5

WEIGHTS/MISCELLANEOUS

Weight, curb, kg, (min-max, depending on model)	1394-1494
Fuel tank, l (min-max, depending on model)	52
Max. trailer weight, kg, (min-max, depending on model)	800
Max roof load, kg	75
Drag coefficient, Cd	0.29

INTERIOR MEASUREMENTS (CM)

Headroom with sunroof (front/rear)	96.9/96.8	
Headroom without sunroof (front/rear)	98.8/96.8	
Passenger compartment width at shoulder height (front/rear)	140.2/137.4	
Leg room (front/rear)	105.7/87.3	
Cargo volume, litres	low floor	high floor
(ISO V211)	417	362
(ISO V212)	717	708
(ISO V214)	1307	1257
Cargo length (L203)	98.9	
Cargo length with rear seat(s) folded down ISO (L202)	176.6	
Height of luggage compartment (H201)	low floor	high floor
	81,1	75.0
Cargo Floor	low floor	high floor
Height to Ground (H502)	62,8	66.3
Rear opening height (H202)	68.5	
Width of luggage compartment between wheelhouses (W201)	95.9	
Rear opening width at floor, min. (W203)	100.2	
Rear opening width above belt, min. (W205)	91.1	
Rear opening maximum width	100.5	

CHASSIS

Suspension	front	Spring-strut, lower link, anti-roll bar
	rear	Individual, multilink, coil springs, anti-roll bar
Steering		Rack and pinion, power assisted
Turning circle, curb to curb		10.6 m
Braking system		ABS system with EBD. Ventilated discs front.
Braking distance 100-0 km/h		38 m
Brake disc diameter Front/Rear		278, 300, 320 /280mm