

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.

POWER AND TORQUE →

TRANSMISSIONS

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

Ratio	MMT6	M66W	M56L	M56H	AW55-51
First	3.08	3.39	3.39	3.07	4.66
Second	1.86	1.91	1.90	1.77	3.03
Third	1.24	1.27	1.19	1.19	1.98
Fourth	0.84	0.95	0.87	0.87	1.34
Fifth	0.89	0.78	0.70	0.70	1.02
Sixth	0.71	0.65	–	–	–
Reverse	4.19	3.20	3.30	2.99	5.11

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

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 and rear.	
Braking distance 100–0 km/h	38 m	
Brake disc diameter		
Front/Rear	300/280 mm	
Front/Rear T5	320/280 mm	

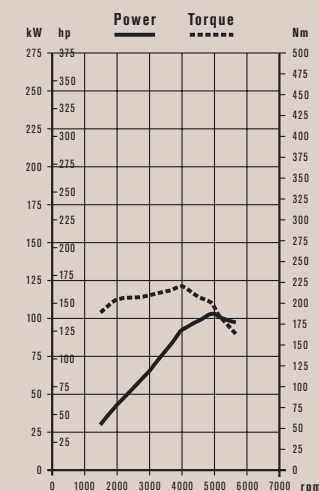
MEASUREMENTS AND VOLUMES

Exterior measurements (cm)	
Length	451,4
Width	177.0
Height, curb	145.2
Wheelbase	264.0
Track, front	153,5
Track, rear	153,1
Ground clearance, curb	13.5
Weights/Miscellaneous	
Weight, curb, kg (B5244S4/D4204T)	1425/1456
Fuel tank, l (Petrol/Diesel)	62/55
Max. trailer weight, kg	1500
Max load, kg	450
Max roof load, kg	75
Drag coefficient, Cd	0.32

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 (ISO V211)	417
(ISO V212)	717
(ISO V214)	1307
Cargo length (L203)	98,9
Cargo length with rear seat(s) folded down (L202)	176,6
Load length with rear seat(s) and front passenger seat folded down	306,0
Height of luggage compartment (H201)	78,5
Cargo Floor Height to Ground (H502)	62,8
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

Volvo V50 2.4/140 (B5244S5)

In-line 5 cyl., naturally aspirated
Transverse, front wheel drive
2435
83
90
Aluminium
Aluminium
Pent-roof
10.3
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
720
91–98 RON
103 (140)/5000
220/4000

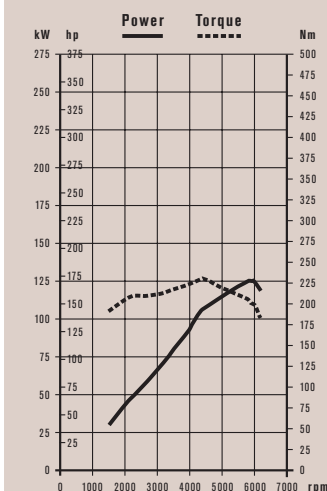


M56L/4.00
AW55-51/2.44

Manual	Automatic
10	10.7
205	200
8.5	9.2
203	220

Volvo V50 2.4i/170 (B5244S4)

In-line 5 cyl., naturally aspirated
Transverse, front wheel drive
2435
83
90
Aluminium
Aluminium
Pent-roof
10.3
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
720
91–98 RON
125 (170)/6000
230/4400



M56H/4.25
AW55-51/2.44

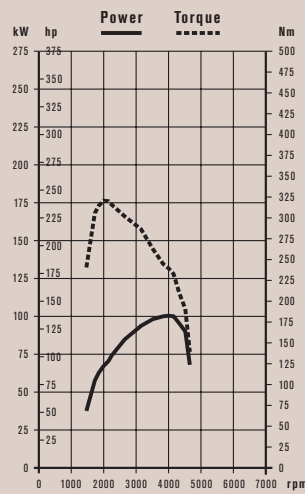
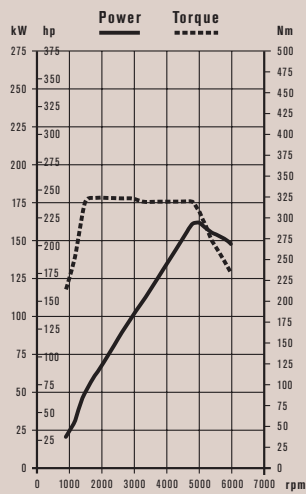
Manual	Automatic
8.3	9
220	215
8.6	9.2
204	220

→ Cont'd Volvo V50

Preliminary data

Volvo V50 T5 (B5254T3)
In-line 5 cyl., light press. turbo
Transverse, front wheel drive
2521
83
93,2
Aluminium
Aluminium
Pent-roof
9.0
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
770
91-98 RON
162 (220)/5000
320/1500-4800

Volvo V50 2.0D (D4204T)
In-line 4 cyl. turbo diesel
Transverse, front wheel drive
1998
85
88
Aluminium
Aluminium
-
18.5
4
2
Common-Rail Direct Injection with self diagnostics
1-3-4-2
800
Diesel Min Cetane 48
100 (136)/4000
320/2000



M66W/3.77
AW55-51/2.27

MMT6/2.85*

Manual	Automatic
6.9	7.3
240	235
8.8	9.5
209	227

Manual
9.6
210
5.7
153

* Gear 5, 6 & Rev. (4.07 Gear 1, 2, 3, 4)

