

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 →

CHASSIS

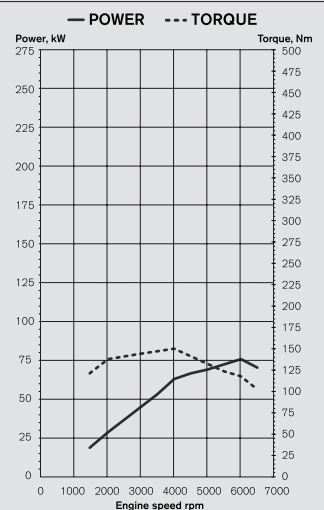
Suspension	front	Spring-strut, lower link, anti-roll bar
	rear	Individual, multilink, coil springs, anti-roll bar
Steering	Rack and pinion, power assisted	
Turning circle, curb to curb	10.6 m	
Braking system	ABS system with EBD. Ventilated discs front.	
Braking distance	100-0 km/h	
100-0 km/h	38 m	
Brake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

Manual gearbox/final drive
Automatic gearbox/final drive

PERFORMANCE

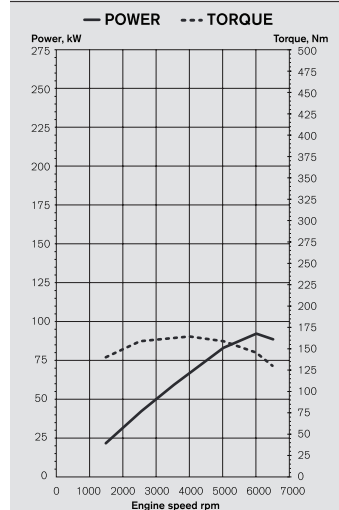
Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h
Fuel consumption l/100 km (Combined)
CO ₂ g/km

Volvo V50 1.6 (B4164S3)
In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1596
79
81.4
Aluminium
Aluminium
Pent-roof
11.0
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2
725
91-98 RON
74 (100)/6000
150/4000



IB5/4.06
-
Manual
12.0
185
7.2
171

Volvo V50 1.8 (B4184S11)
In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1798
83
83.1
Aluminium
Aluminium
Pent-roof
10.8
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2
700
95-98 RON
92 (125)/6000
165/4000



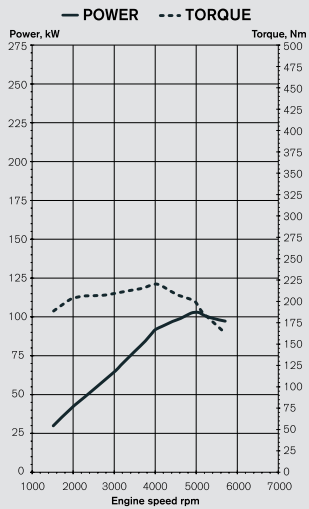
MTX75/4.07
-
Manual
11.0
200
7.3
174

TRANSMISSIONS

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

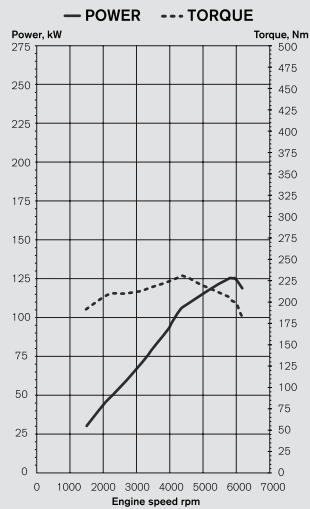
RATIO	IB5	MTX75	M56H	M66W	MTX75P2	M56L2	MMT6	AW55-51
First	3.58	3.42	3.07	3.39	3.67	3.39	3.58	4.66
Second	2.04	2.14	1.77	1.91	2.05	1.91	1.95	3.03
Third	1.41	1.48	1.19	1.27	1.35	1.19	1.24	1.98
Fourth	1.11	1.11	0.87	0.95	0.92	0.87	0.87	1.34
Fifth	0.88	0.85	0.70	0.78	0.71	0.65	0.79	1.02
Sixth	-	-	-	0.65	-	-	-	-
Reverse	3.62	3.73	2.99	3.20	3.73	3.30	5.10	5.11

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



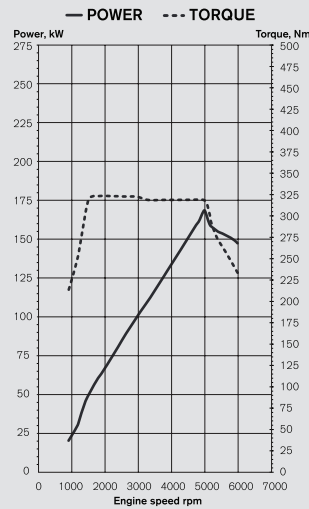
M56L/4.00	
AW55-51/2.44	
Manual	Automatic
10.0	10.7
205	200
8.5	9.2
203	220

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



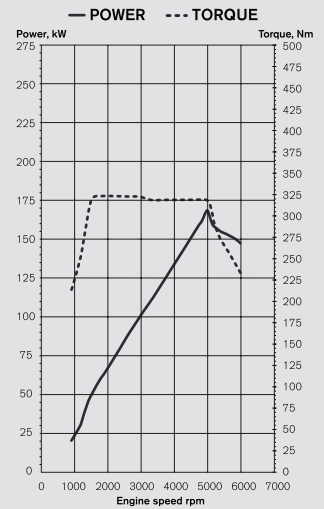
M56H/4.25	
AW55-51/2.44	
Manual	Automatic
8.3	9.0
220	215
8.6	9.2
204	220

Volvo V50 T5 (B5254T7)
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
169 (230)/5000
320/1500-5000



M66W/3.77	
AW55-51/2.27	
Manual	Automatic
6.9	7.3
240	235
8.8	9.6
209	229

Volvo V50 T5 AWD (B5254T7)
In-line 5 cyl., light press. turbo
Transverse, all 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
169 (230)/5000
320/1500-5000



M66W/4.00	
AW55-51/2.27	
Manual	Automatic
7.2	7.6
230	225
9.6	10.2
229	243

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
AWD	14,2

WEIGHTS/MISCELLANEOUS

Weight, curb, kg,	
(min-max, depending on model)	1254-1480
Fuel tank, l	
(min-max, depending on model)	52-62
Max. trailer weight, kg,	
(min-max, depending on model)	1200-1500
Max load, kg (options lower the cap.)	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	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	
Load length with rear seat(s) and front passenger seat folded down	306,0	

Height of luggage compartment (H201)	low floor	high floor
	78,5	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

All figures are preliminary. Volvo reserves the right to make changes in the specifications without any notice.

Volvo V50 1.6D (D4164T)
In-line 4 cyl. turbo diesel
Transverse, front wheel drive
1560
75
88.3
Aluminium
Aluminium
-
18.3
4
2
Common-Rail Direct Injection with self diagnostics
1-3-4-2
800
Diesel Min Cetane 48
80 (109)/4000
240/1750

— POWER --- TORQUE

MTX75P2/3.41
-
Manual
12.1
190
5.0
132

Volvo V50 2.0D (D4204T)
In-line 4 cyl. turbo diesel
Transverse, front wheel drive
1997
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

— POWER --- TORQUE

MMT6/2.77 ¹
-
Manual
9.6
205
5.8 ²
153

Volvo V50 D5 (D5244T8)
In-line 5 cyl. turbo diesel
Transverse, front wheel drive
2400
81
93,2
Aluminium
Aluminium
-
17.3
4
2
Common-Rail Direct Injection with self diagnostics
1-2-4-5-3
700
Diesel Min Cetane 48
132 (180)/4000
350/1750-3250

— POWER --- TORQUE

-
AW55-51/2.27
Automatic
8.5
220
7.3
193

¹ Gear 5 & 6 (3.81 Gear 1, 2, 3, 4)

² 5.8 data for Euro 4 diesel particle filter
5.7 data for Euro 3 without diesel particle filter 150g/km