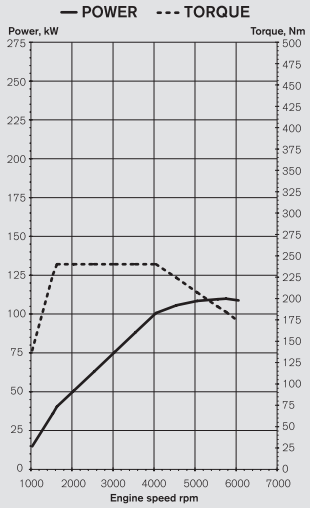
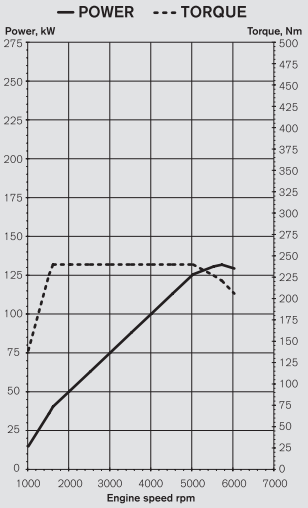
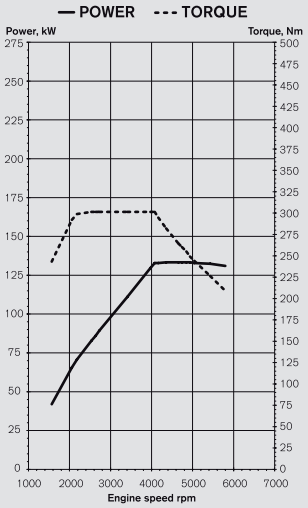
Volvo V40

CONT'D VOLVO V40 →

ENGINES	T3 (B4164T3)	T4 (B4164T)		T4 (B5204T8)
Type	In-line 4-cyl.turbo petrol	In-line 4-cyl.turbo petrol		In-line 5-cyl.turbo petrol
Configuration	4-cyl in-line	4-cyl in-line		5-cyl in-line
Displacement, cm^3	1596	1596		1984
Bore (mm)	79,0	79,0		81,0
Stroke (mm)	81,4	81,4		77,0
Engine cylinder block material	Aluminium	Aluminium		Aluminium
Cylinderhead material	Aluminium	Aluminium		Aluminium
Compression ratio	10.0:1	10.0:1		10.5:1
Valves, no/cylinder	4	4		4
Camshafts	2	2		2
Engine management system	Electronically controlled direct injection	Electronically controlled direct injection		Electronically controlled port injection
Ignition sequence	1 - 3 - 4 - 2	1 - 3 - 4 - 2		1 - 2 - 4 - 5 - 3
Engine idling speed, rpm	750	750		720
Fuel, rec. octane	91-98 RON	91-98 RON		91-98 RON
Max output, kW (hp)/rpm.	110 (150) / 5700	132 (180) / 5700		132 (180) / 5000
Max torque, Nm/rpm.	240 / 1600-4000	240 / 1600-5000		300 / 2700 - 4000
POWER AND TORQUE →				
Manual gearbox/final drive	B6-D2	B6-G5d		-
Automatic gearbox/final drive	-	MPS6-7		AW TF-80SD
PERFORMANCE				
Gearbox	Manual	Manual	Automatic	Automatic
Acceleration, 0–100 km/h (sec)	8,8	7,7	8,5	8,7
Top speed, km/h	210	225	225	220
Fuel consumption l/100 km (Combined)*	5,3	5,5	6,1	7,5
CO_2 g/km*	124	129	143	174

* EU Regulation no 692/2008 and UN ECE Regulation no 101

TRANSMISSIONS

6-speed manual and automatic gearbox.

6-speed powershift.

RATIO	M66D	AW TF-80SD	B6-D2	B6-G5D	MPS6-7
First	3,385	4,148	3,727	3,727	3,818
Second	1,905	2,370	2,048	2,048	2,150
Third	1,194	1,556	1,258	1,357	1,407
Fourth	0,838	1,155	0,919	1,032	1,029
Fifth	0,652	0,859	0,738	0,821	1,188
Sixth	0,540	0,686	0,622	0,690	0,971
Reverse	2,615	3,394	3,818	3,818	5,284

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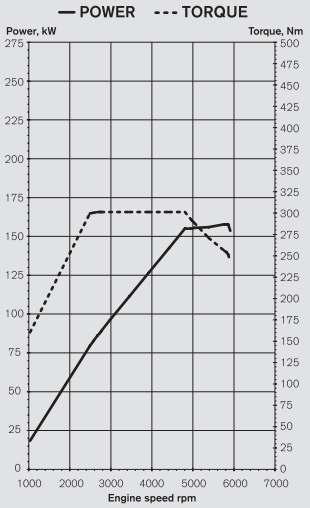
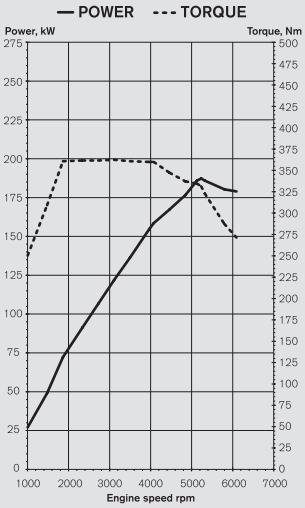
CONT'D VOLVO V40 →

ENGINES	T5 (B5204T9)	T5 (B5254T12)
Type	In-line 5-cyl.turbo petrol	In-line 5-cyl.turbo petrol
Configuration	5-cyl in-line	5-cyl in-line
Displacement, cm^3	1984	2497
Bore (mm)	81,0	83,0
Stroke (mm)	77,0	92,3
Engine cylinder block material	Aluminium	Aluminium
Cylinderhead material	Aluminium	Aluminium
Compression ratio	10.5:1	9.5:1
Valves, no/cylinder	4	4
Camshafts	2	2
Engine management system	Electronically controlled port injection	Electronically controlled port injection
Ignition sequence	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3
Engine idling speed, rpm	720	720
Fuel, rec. octane	91-98 RON	91-98 RON
Max output, kW (hp)/rpm.	157 (213) / 6000	187 (254) / 5400
Max torque, Nm/rpm.	300 / 2700-5000	360 / 1800-4200
POWER AND TORQUE →		
Manual gearbox/final drive	-	-
Automatic gearbox/final drive	AW TF-80SD	AW TF-80SD
PERFORMANCE		
Gearbox	Automatic	Automatic
Acceleration, 0–100 km/h (sec)	6,9	6,1
Top speed, km/h	230	250
Fuel consumption l/100 km (Combined)*	7,5	7,9
CO_2 g/km*	174	185

— POWER - - - TORQUE
Power, kW
Torque, Nm
Engine speed rpm

* EU Regulation no 692/2008 and UN ECE Regulation no 101

CHASSIS		
Suspension	front	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
	rear	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar
Steering		Electrical Power Assisted Rack and Pinion Steering
Turning circle, (curb to curb)		10,8 m
Braking system		Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Braking distance, 100–0 km/h		37 m
Brake disc diameter	front	278 mm / 300 mm / 320 mm
	rear	280 mm

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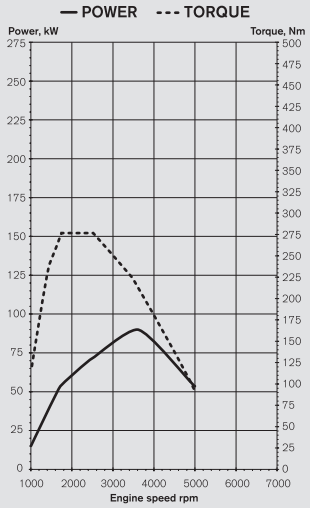
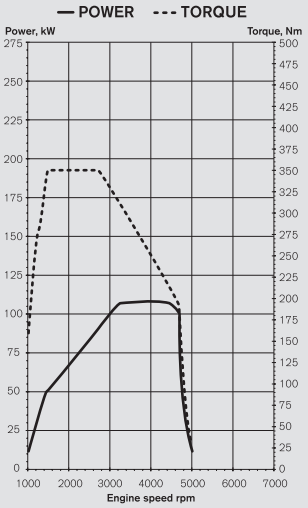
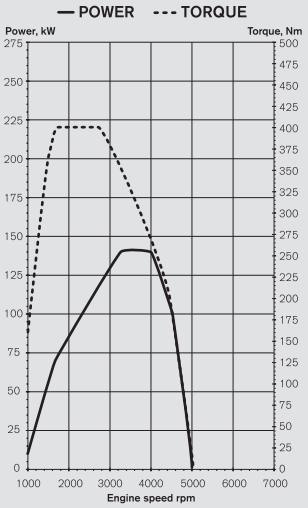
CONT'D VOLVO V40 →

ENGINES	D2 (D4162T)		D3 (D5204T6)		D4 (D5204T4)	
Type	In-line 4-cyl.turbo diesel		In-line 5-cyl.turbo diesel		In-line 5-cyl.turbo diesel	
Configuration	4-cyl in-line		5-cyl in-line		5-cyl in-line	
Displacement, cm^3	1560		1984		1984	
Bore (mm)	75,0		81,0		81,0	
Stroke (mm)	88,3		77,0		77,0	
Engine cylinder block material	Aluminium		Aluminium		Aluminium	
Cylinderhead material	Aluminium		Aluminium		Aluminium	
Compression ratio	16.0:1		16.5:1		16.5:1	
Valves, no/cylinder	2		4		4	
Camshafts	1		2		2	
Engine management system	Electronically controlled common rail direct injection		Electronically controlled common rail direct injection		Electronically controlled common rail direct injection	
Ignition sequence	1 - 3 - 4 - 2		1 - 2 - 4 - 5 - 3		1 - 2 - 4 - 5 - 3	
Engine idling speed, rpm	850		720		720	
Fuel, rec. octane	Cetane Number: Min 48		Cetane Number: Min 48		Cetane Number: Min 48	
Max output, kW (hp)/rpm.	84 (115) / 3600		110 (150) / 3500		130 (177) / 3500	
Max torque, Nm/rpm.	270 / 1750-2500		350 / 1500-2750		400 / 1750-2750	
POWER AND TORQUE →						
Manual gearbox/final drive	B6-D2		M66D		M66D	
Automatic gearbox/final drive	-		AW TF-80SD		AW TF-80SD	
PERFORMANCE						
Gearbox	Manual**	Manual***	Manual	Automatic	Manual	Automatic
Acceleration, 0–100 km/h (sec)	12,3	12,3	9,6	9,3	8,6	8,3
Top speed, km/h	190	190	210	205	220	215
Fuel consumption l/100 km (Combined)*	3,6	3,8	4,3	5,2	4,3	5,2
CO_2 g/km*	94	99	114	136	114	136

* EU Regulation no 692/2008 and UN ECE Regulation no 101

** max 205 tires
*** Other tire dimensions.

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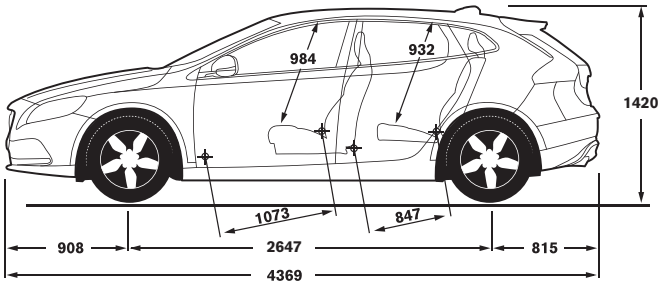
MEASUREMENTS AND VOLUMES

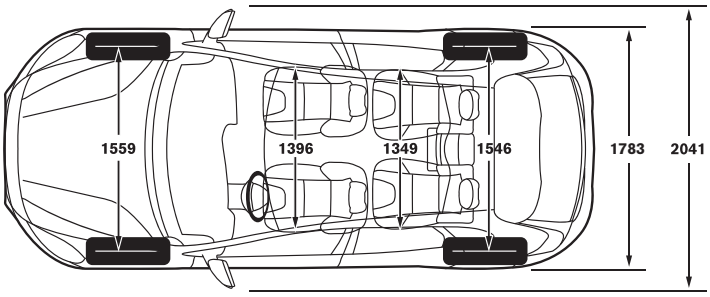
EXTERIOR MEASUREMENTS (CM)	
Length	436,9
Widht (Body width)*	178,3
Height (Body height)**	142,0
Wheelbase	264,7
Track, front, (46 mm / 50 mm / 52,5 mm)	155,9 / 155,1 / 154,6
Track, rear, (46 mm / 50 mm / 52,5 mm)	154,6 / 153,8 / 153,3
Ground clearance, curb (std / Sport chassi)	13,3 / 12,3

WEIGHTS/MISCELLANEOUS	
Curb weight, kg	1345 - 1588
Fuel tank, l (min–max, depending on equipment)	52 - 62
Max. trailer weight, kg (Braked)	
B4164T3, B4164T, D4162T / All other	1300/1500
Max. trailer weight, kg (Unbraked)	
D5204T6 / D5204T4 auto	750
D5204T6 / D5204T4 man, B4164T / B5254T12 / B5204T9 auto	700
D4162T / B4164T3/B4164T man	650
Max roof load, kg	75
Drag coefficient, Cd (D4162T / All other)	0,29 / 0,31

INTERIOR MEASUREMENTS (CM)	
Headroom, maximum (front / rear)	98,4 / 93,2
Passenger compartment width	
at shoulder height (front / rear)	139,6 / 134,9
Leg room (front / rear)	107,3 / 84,7
Cargo volume, including under floor storage	335
- under floor volume	16
Cargo length from the second seatback to the tailgate measured at:	
- the height of the floor covering (std / opt)	68,4 / 78,2
Cargo length from the first seatback to the tailgate measured at:	
- the height of the floor covering (std / opt)	150,8 / 154,5
Height of luggage compartment (H201) (std / opt)	76,0 / 64,4
Width of luggage compartment between wheelhouses (w201)	96,0
Rear cargo opening width	91,6

* Widht (including outer mirrors)	204,1
** Height (including shark fin)	143.9





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