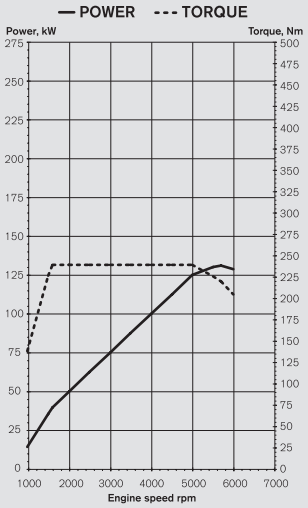
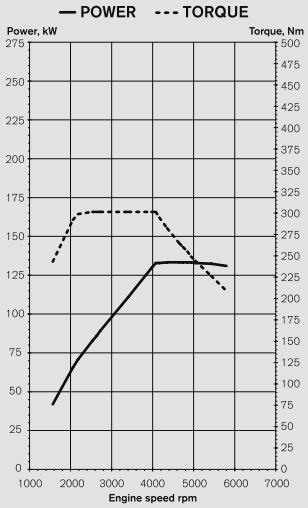
Volvo V40 Cross Country

CONT'D VOLVO V40 →
CROSS COUNTRY

ENGINES	T4 (B4164T)		T4 (B5204T8)	
Type	In-line 4-cyl. turbo petrol		In-line 5-cyl. turbo petrol	
Configuration	4-cyl in-line		5-cyl in-line	
Displacement, cm^3	1596		1984	
Bore (mm)	79,0		81,0	
Stroke (mm)	81,4		77,0	
Engine cylinder block material	Aluminium		Aluminium	
Cylinderhead material	Aluminium		Aluminium	
Compression ratio	10.0:1		10.5:1	
Valves, no/cylinder	4		4	
Camshafts	2		2	
Engine management system	Electronically controlled direct injection		Electronically controlled port injection	
Ignition sequence	1 - 3 - 4 - 2		1 - 2 - 4 - 5 - 3	
Engine idling speed, rpm	750		720	
Fuel, rec. octane	91-98 RON		91-98 RON	
Max output, kW (hp)/rpm.	132 (180) / 5700		132 (180) / 5000	
Max torque, Nm/rpm.	240 / 1600-5000		300 / 2700 - 4000	
POWER AND TORQUE →				
Manual gearbox/final drive	B6-G5d		-	
Automatic gearbox/final drive	MPS6-7		AW TF-80SD	
PERFORMANCE				
Gearbox	Manual	Automatic		Automatic
Acceleration, 0-100 km/h (sec)	7,7	8,5		8,7
Top speed, km/h	215	215		215
Fuel consumption l/100 km (Combined)*	5,5	6,1		7,5
CO_2 g/km*	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

Aug 2012

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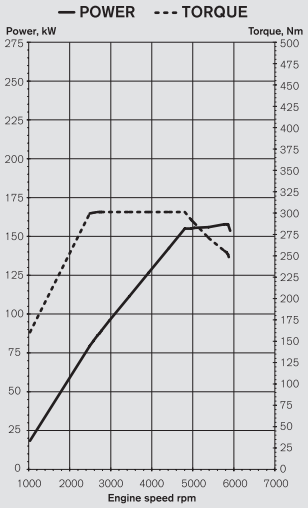
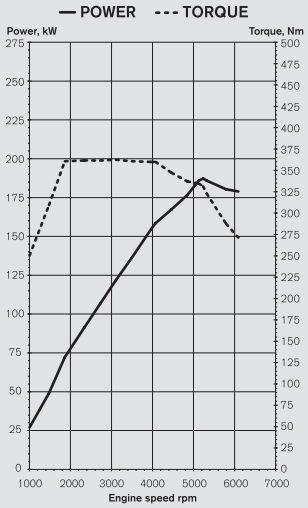
CONT'D VOLVO V40 →
CROSS COUNTRY

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 (FWD) Automatic (AWD)	Automatic (FWD) Automatic (AWD)
Acceleration, 0-100 km/h (sec)	6.9 7.2	6.1 6.4
Top speed, km/h	225 220	240 235
Fuel consumption l/100 km (Combined)*	7.5 8.1	7.8 8.3
CO_2 g/km*	174 189	182 194

* 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)		10,9 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	300 mm / 320 mm
	rear	280 mm

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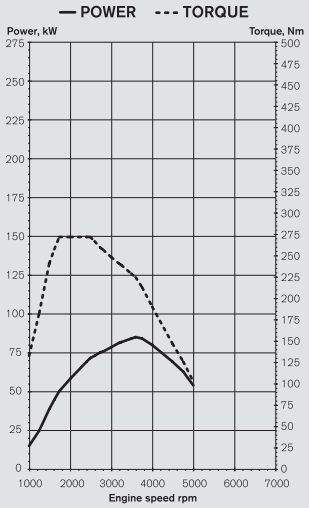
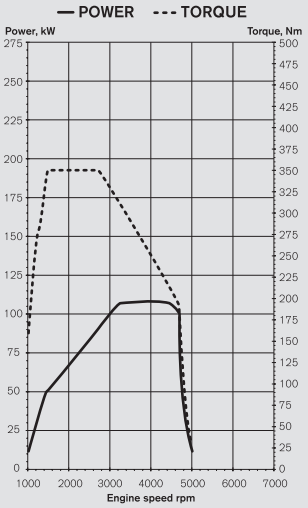
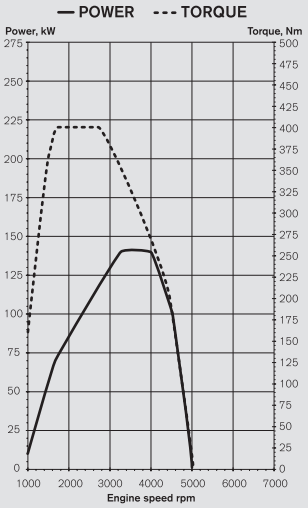
CONT'D VOLVO V40 →
CROSS COUNTRY

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	790	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	Automatic	Manual	Automatic
Acceleration, 0-100 km/h (sec)	12,3	9,6	9,3	8,6	8,3
Top speed, km/h	185	205	200	210	210
Fuel consumption l/100 km (Combined)*	3,8	4,4	5,2	4,4	5,2
CO_2 g/km*	99	117	137	117	137

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

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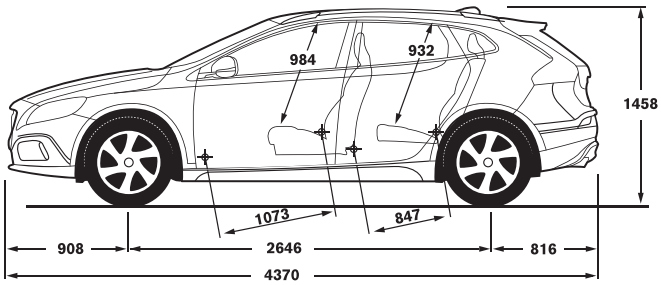
MEASUREMENTS AND VOLUMES

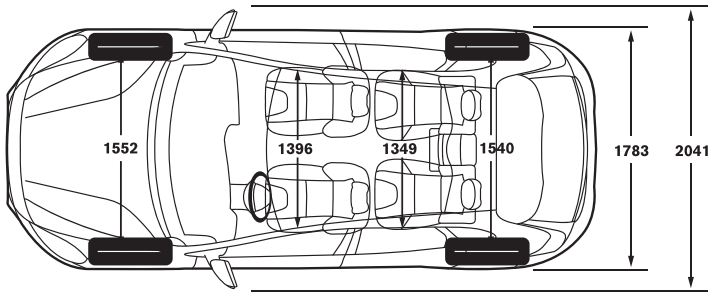
EXTERIOR MEASUREMENTS (CM)	
Length	437.0
Widht (Body width)*	178,3
Height (Body height)**	145,8
Wheelbase	264.6
Track, front, (50 mm / 52,5 mm)	155,2 / 154,7
Track, rear, (50 mm / 52,5 mm)	154.0 / 153,5
Ground clearance, curb	14.5

WEIGHTS/MISCELLANEOUS	
Curb weight, kg	1359 - 1631
Fuel tank, l (min-max, depending on equipment)	52 - 62
Max. trailer weight, kg (Braked)	1300 / 1500
Max. trailer weight, kg (Unbraked)	650 / 750
Max roof load, kg	75
Drag coefficient, Cd (D4162T / All other)	0,33 / 0,34

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)	147,0





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