

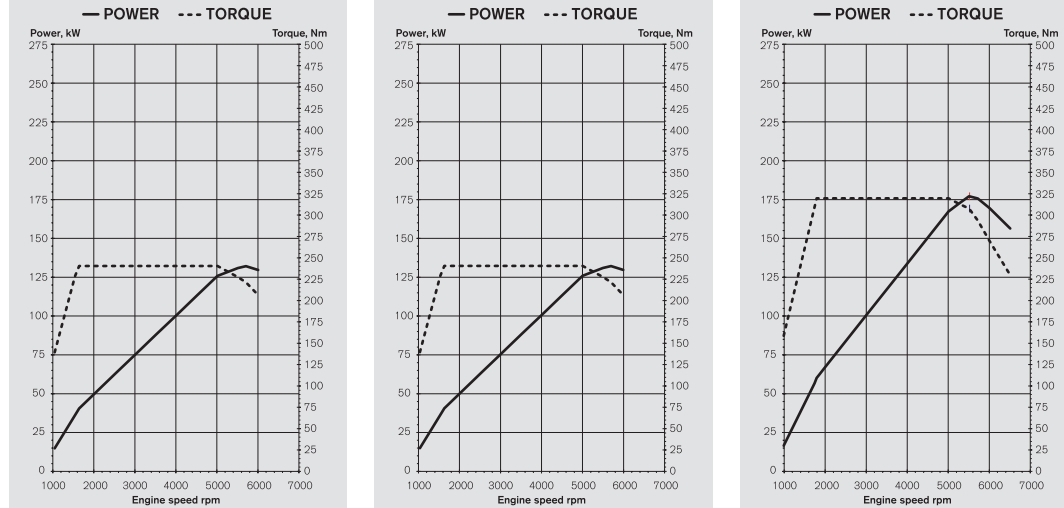
Volvo V70

CONT'D VOLVO V70 →

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ENGINES	T4 (B4164T)	T4F (B4164T2)	T5 (B4204T7)
Type	In-line 4-cyl. turbo petrol	In-line 4-cyl. turbo petrol	In-line 4-cyl. turbo petrol
Configuration	Transverse, front wheel drive	Transverse, front wheel drive	Transverse, front wheel drive
Displacement, cm ³	1596	1999	1999
Bore (mm)	79.0	79.0	87.5
Stroke (mm)	81.4	81.4	83.1
Engine cylinder block material	Aluminium	Aluminium	Aluminium
Cylinderhead material	Aluminium	Aluminium	Aluminium
Compression ratio	10.0:1	10.0:1	10.0:1
Valves, no/cylinder	4	4	4
Camshafts	2	2	2
Engine management system	Integrated fuel (SFI) / ignition control systems	Integrated fuel (SFI) / ignition control systems	Integrated fuel (SFI) / ignition control systems
Ignition sequence	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2
Engine idling speed, rpm	750	750	780
Fuel, rec. octane	91-98 RON	E85 & 91-98 RON	91-98 RON
Max output, kW (hp)/rpm.	132 (180) / 5700	132 (180) / 5700	177 (240) / 5500
Max torque, Nm/rpm.	240 / 1600-5000	240 / 1600-5000	320 / 1800-5000

POWER AND TORQUE →



Manual gearbox/final drive	MMT6 Z3	3.690 / 2.680	MMT6 Z3	3.690 / 2.680	MMT6 Z3	3.813 / 2.773
Automatic gearbox/final drive	MPS6-7	3.933 / 2.682	MPS6-7	3.933 / 2.682	MPS6-7	3.933 / 2.682
PERFORMANCE						
Gearbox	Manual	Automatic	Manual	Automatic	Manual	Automatic
Acceleration, 0-100 km/h (sec)	8.7	9.9	8.7	9.9	7.7	7.9
Top speed, km/h	215	215	215	215	240	235
Fuel consumption l/100 km (Combined)	6.8	7.2	7.0	7.2	8.1	8.4
CO ₂ , g/km	157	168	163	168	189	195

TRANSMISSIONS

6-speed manual and automatic gearbox.							
6-speed powershift.							
RATIO	AW TF-80SC	M66D F2A	M66W FD	MPS6-4	MPS6-7	MMT6 W3	MMT6 Z3
First	4.148	3.385	3.385	3.563	3.818	3.583	3.818
Second	2.370	1.905	1.905	1.952	2.150	1.952	2.150
Third	1.556	1.194	1.267	1.194	1.407	1.241	1.423
Fourth	1.155	0.838	0.949	0.842	1.029	0.868	1.029
Fifth	0.859	0.652	0.775	0.943	1.188	0.943	1.129
Sixth	0.686	0.540	0.652	0.789	0.971	0.789	0.943
Reverse	3.394	3.200	2.615	4.843	5.284	5.099	5.443

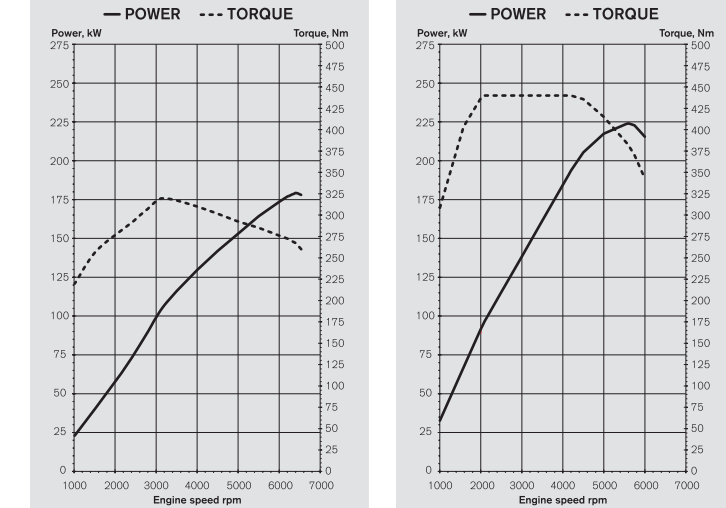
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ENGINES	3.2 (B6324S)	T6 (B6304T4)
Type	In-line 6-cyl. petrol	In-line 6-cyl. turbo petrol
Configuration	Transverse, front and all wheel drive	Transverse, all wheel drive
Displacement, cm ³	3192	2953
Bore (mm)	84.0	82.0
Stroke (mm)	96.0	93.2
Engine cylinder block material	Aluminium	Aluminium
Cylinderhead material	Aluminium	Aluminium
Compression ratio	10.8:1	9.3:1
Valves, no/cylinder	4	4
Camshafts	2	2
Engine management system	Integrated fuel (SFI) / ignition control systems	Integrated fuel (SFI) / ignition control systems
Ignition sequence	1 - 5 - 3 - 6 - 2 - 4	1 - 5 - 3 - 6 - 2 - 4
Engine idling speed, rpm	590	590
Fuel, rec. octane	91-98 RON	91-98 RON
Max output, kW (hp)/rpm.	179 (243) / 6400	224 (304) / 5600
Max torque, Nm/rpm.	320 / 3200	440 / 2100-4200

POWER AND TORQUE →



Manual gearbox/final drive	AW TF-80SC <small>PWD/AWD</small>	3.329 / 3.464	AW TF-80SC	3.329
Automatic gearbox/final drive	AW TF-80SC <small>PWD/AWD</small>	3.329 / 3.464	AW TF-80SC	3.329
PERFORMANCE				
Gearbox	Automatic <small>PWD</small>	Automatic <small>AWD</small>	Automatic	
Acceleration, 0-100 km/h (sec)	8.4	8.6	6.6	
Top speed, km/h	235	230	250	
Fuel consumption l/100 km (Combined)	9.2	9.7	9.9	
CO ₂ , g/km	214	224	232	

CHASSIS

Suspension	front	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
	rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering	Power Assisted Rack and Pinion Steering	
Turning circle, curb to curb, 225°width	11.2 m	
Braking system	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	
Braking distance, 100-0 km/h	38 m	
Brake disc diameter	front	300 mm / 316 mm
	rear	302 mm

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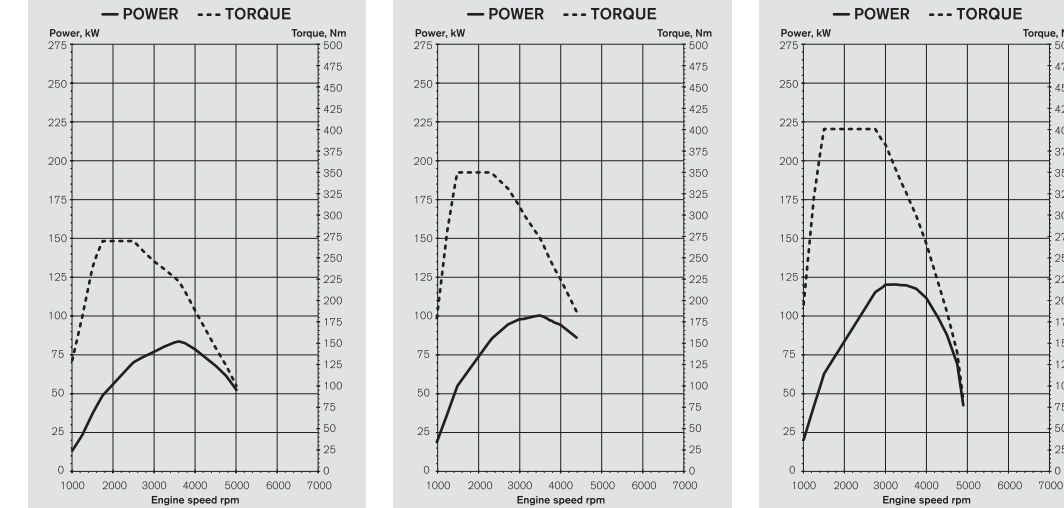
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CONT'D VOLVO V70 →

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ENGINES	D2 (D4162T)	D3 (D5244T7)	D4 (D5244T3)
Type	In-line 4-cyl. turbo diesel	In-line 5-cyl. turbo diesel	In-line 5-cyl. turbo diesel
Configuration	Transverse, front wheel drive	Transverse, front wheel drive	Transverse, front wheel drive
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	2	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	700	700
Fuel, rec. octane	Cetane Number: Min 48	Cetane Number: Min 48	Cetane Number: Min 48
Max output, kW (hp)/rpm.	84 (115) / 3600	100 (136) / 3500	120 (163) / 3500
Max torque, Nm/rpm.	270 / 1750-2500	350 / 1500-2250	400 / 1500-2750

POWER AND TORQUE →



Manual gearbox/final drive	MMT6 W3	4.063/2.955	M66D F2A	3.770	M66D F2A	3.770
Automatic gearbox/final drive	MPS6-4	3.933/2.682	AW TF-80SC	3.075	AW TF-80SC	3.075
PERFORMANCE						
Gearbox	Manual	Automatic	Manual	Automatic <small>(Tire restriction)</small>	Manual	Automatic <small>(No S/S/S/S/Tire restriction)</small>
Acceleration, 0-100 km/h (sec)	11.9	13.2	10.6	10.6	9.9	9.9
Top speed, km/h	190	180	200	195	210	205
Fuel consumption l/100 km (Combined)	4.5 / 4.2*	4.5 / 4.3*	4.5	5.1 (4.9)	4.5	6.0 / 5.1 / 4.9
CO ₂ , g/km	119 / 111*	119 / 112*	119	134 (130)	119	159 / 134 / 130

* Tire restriction

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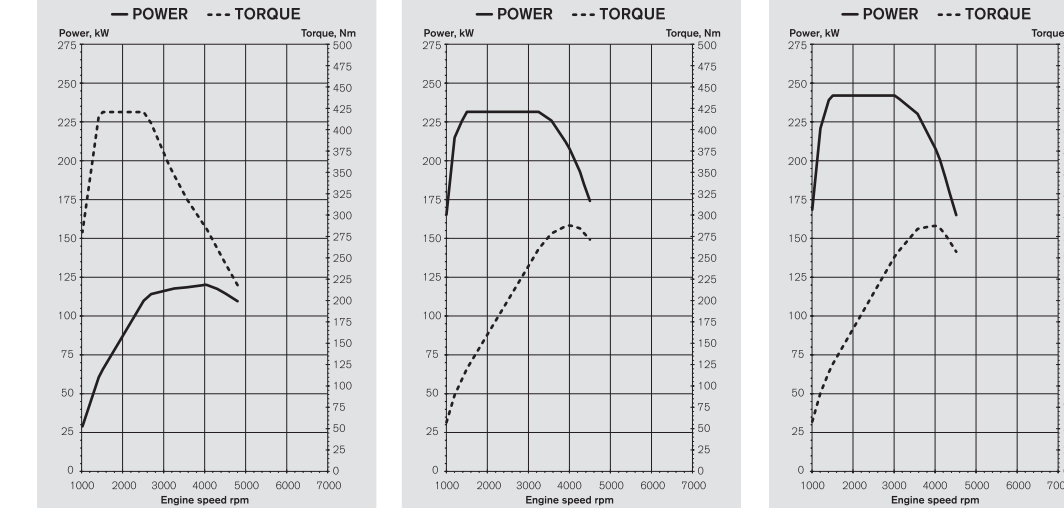
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CONT'D VOLVO V70 →

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ENGINES	D4 (D5244T7)	D5 (D5244T11)	D5 (D5244T15)
Type	In-line 5-cyl. turbo diesel	In-line 5-cyl. turbo diesel	In-line 5-cyl. turbo diesel
Configuration	Transverse, all wheel drive	Transverse, front wheel drive	Transverse, front and all wheel drive
Displacement, cm ³	2400	2400	2400
Bore (mm)	81.0	81.0	81.0
Stroke (mm)	93.2	93.15	93.15
Engine cylinder block material	Aluminium	Aluminium	Aluminium
Cylinderhead material	Aluminium	Aluminium	Aluminium
Compression ratio	16.5:1	16.5:1	16.5:1
Valves, no/cylinder	4	4	4
Camshafts	2	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 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3
Engine idling speed, rpm	700	740	700
Fuel, rec. octane	Cetane Number: Min 48	Cetane Number: Min 48	Cetane Number: Min 48
Max output, kW (hp)/rpm.	120 (163) / 4000	158 (215) / 4000	158 (215) / 4000
Max torque, Nm/rpm.	420 / 1500-2500	420 / 1500-3250	440 / 1500-3000

POWER AND TORQUE →



Manual gearbox/final drive	AW TF-80SC <small>AWD</small>	3.329	M66D F2A	3.770	AW TF-80SC <small>AWD</small>	3.200/3.329
Automatic gearbox/final drive	AW TF-80SC <small>AWD</small>	3.329	M66D F2A	3.770	AW TF-80SC <small>PWD/AWD</small>	3.200/3.329
PERFORMANCE						
Gearbox	Automatic	Automatic	Manual	Automatic <small>PWD</small>	Automatic <small>AWD</small>	Automatic <small>AWD</small>
Acceleration, 0-100 km/h (sec)	10.8	7.8	8.0	8.0	8.0	8.0
Top speed, km/h	205	225	220	220	220	220
Fuel consumption l/100 km (Combined)	6.6	6.5	6.1	6.6	6.6	6.6
CO ₂ , g/km	175	126	161	175	175	175

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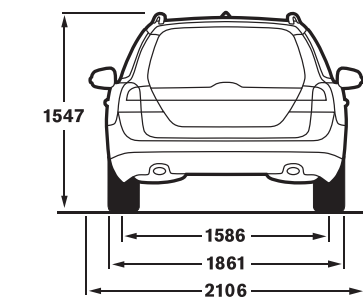
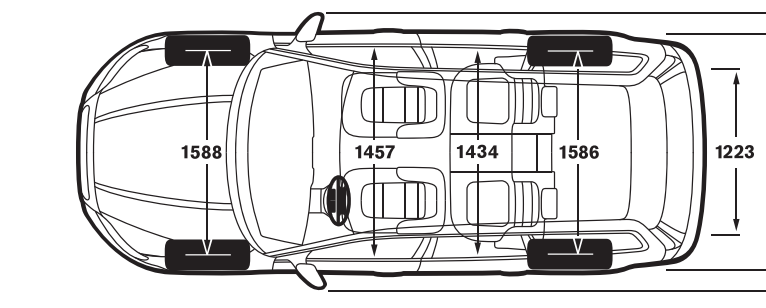
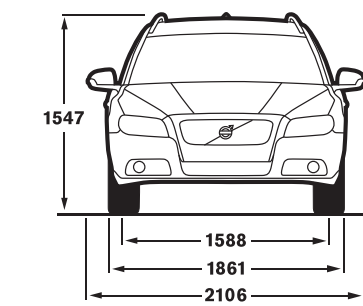
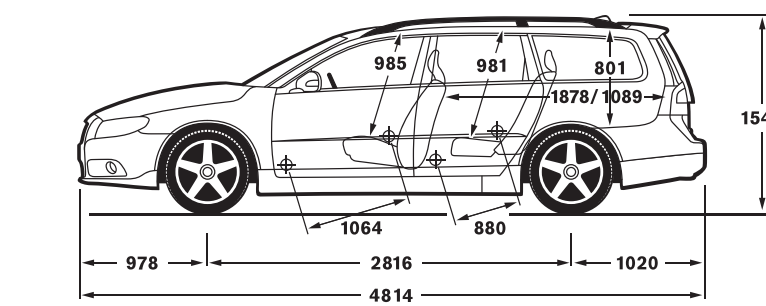
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CONT'D VOLVO V70 →

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MEASUREMENTS AND VOLUMES	
EXTERIOR MEASUREMENTS (CM)	
Length	481.4
Width (without mirrors)	186.1
Height (including shark fin)	154.7
Wheelbase	281.6
Track, front, <small>(1475 & 1750 / 1755 & 1950)</small>	158.8 / 157.8
Track, rear, <small>(1475 & 1750 / 1755 & 1950)</small>	158.6 / 157.6
Ground clearance, Std / Low sport & D2	15.1 / 13.1
WEIGHTS/MISCELLANEOUS	
Curb weight, kg (min-max, depending on setup)	1570-1794
Fuel tank, l	70
Max. trailer weight, kg	1300-2000
Max roof load, kg	100
Drag coefficient, Cd	0.31

INTERIOR MEASUREMENTS (CM)	
Headroom without sunroof (front/rear)	98.5 / 98.1
Headroom with sunroof (front/rear)	95.9 / 97.7
Passenger compartment width at shoulder height (front/rear)	145.7 / 143.4
Leg room (front/rear)	106.4 / 88.0
Cargo volume, including under floor storage (ISO V211)	575
Cargo length from the first seatback to the tailgate measured at: <ul style="list-style-type: none"> - the height of the floor covering 	187.8
Cargo length from the second seatback to the tailgate measured at: <ul style="list-style-type: none"> - the height of the floor covering 	108.9
Cargo height (rear wheel center and car center line)	80.1
Rear opening height (car center line)	72.4
Width of luggage compartment between wheelhouses	113.0



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