

Volvo C70

	Petrol 2.4		Petrol 2.4i		Petrol T5		Diesel 2.0	Diesel D5
ENGINE								
Engines	B5244S5		B5244S4		B5254T7		D4204T	D5244T8
Type	5 cyl . Naturally aspirated		5 cyl . Naturally aspirated		In-line 5 cyl. Turbo		In-line 4 cyl. Turbo	In-line 5 cyl. Turbo
Configuration	FWD		FWD		FWD		FWD	FWD
Displacement	2435 cm3		2435 cm3		2521 cm3		1997 cm3	2400 cm3
Bore	83 mm		83 mm		83 mm		85 mm	81 mm
Stroke	90 mm		90 mm		93,2 mm		88 mm	93,15 mm
Compression ratio	10,3:1		10,3:1		9,0:1		18,5:1	17,3:1
Valves, no/cylinder	4 ea.		4 ea.		4 ea.		4 ea.	4 ea.
DOHC / SOHC	DOHC		DOHC		DOHC		DOHC	DOHC
Engine management system	Integrated fuel (SFI) / ignition control system		Integrated fuel (SFI) / ignition control system		Integrated fuel (SFI) / ignition control system		Common rail electronic fuelling	Common rail electronic fuelling
Ignition sequence	1 - 2 - 4 - 5 - 3		1 - 2 - 4 - 5 - 3		1 - 2 - 4 - 5 - 3		1 - 3 - 4 - 2	1 - 2 - 4 - 5 - 3
Engine idling speed	720 rpm		720 rpm		770 rpm		800 rpm	720 rpm
Fuel, rec. Octane	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.		For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.		For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.		Diesel. Cetane Number min 48	Diesel. Cetane Number min 48
Max output	103 kW (140 hp) / 5000 rpm		125 kW (170 hp) / 6000 rpm		169 kW (230 hp) / 5000 rpm		100 kW (136 hp) / 4000 rpm	132 kW (180 hp) / 4000 rpm
Max torque	220 / 67 Nm/rps		230 / 73 Nm/rps		320 / 25 - 83 Nm/rps		320 / 33 Nm/rps	350 / 29 - 54 Nm/rps
Alternator Capacity Ampere	150 A		150 A		150 A		120 A / 150 A	150 A
TRANSMISSIONS								
Transmissions	M56L	AW55-51	M56H	AW55-51	M66W	AW55-51	MMT6 W3	AW55-51
First Gear	3,385	4,657	3,071	4,657	3,385	4,657	3.583	4.657
Second Gear	1,905	3,032	1,773	3,032	1,905	3,032	1.952	3.032
Third Gear	1,194	1,982	1,194	1,982	1,267	1,982	1.241	1.982
Fourth Gear	0,868	1,341	0,868	1,341	0,949	1,341	0.868	1.341
Fifth Gear	0,700	1,018	0,700	1,018	0,775	1,018	0.943	1.018
Sixth Gear	-	-	-	-	0,652	-	0.786	-
Reverse Gear	3,298	5,114	2,993	5,114	3,197	5,114	5.099	5.114
Manuel Gearbox/final drive	4		4.25		3.77		3,81 (Gear 1-4) / 2,77 (Gear 5-6 + R)	-
Automatic Gearbox/final drive	2.44		2.44		2.27		-	2.27

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PERFORMANCE					
Gearbox	Manual / Automatic	Manual / Automatic	Manual / Automatic	Manual	Automatic
Acceleration, 0-100 km/h	11,0 s / 11,8 s	9,1 s / 10,0 s	7,6 s / 8,0 s	11,0 s	9,5 s
Top speed	205 km/h / 200 km/h	220 km/h / 215 km/h	240 km/h / 235 km/h	205 km/h	220 km/h
Fuel consumption (EC 199/100, Combined)	8,9 l/100km / 9,6 l/100km	9,0 l/100km / 9,6 l/100km	9,1 l/100km / 9,8 l/100km	6,1 l/100km	7,3 l/100km
CO2	212 g/km / 229 g/km	215 g/km / 229 g/km	217 g/km / 234 g/km	161 g/km	193 g/km
MEASUREMENTS AND VOLUMES					
Length	4582 mm	4582 mm	4582 mm	4582 mm	4582 mm
Width (incl mirrors, folded)	1836 mm	1836 mm	1836 mm	1836 mm	1836 mm
Width (incl. mirrors outer edge)	2025 mm	2025 mm	2025 mm	2025 mm	2025 mm
Height	1400 mm	1400 mm	1400 mm	1400 mm	1400 mm
Height during roof operation	approx. 2000 mm	approx. 2000 mm	approx. 2000 mm	approx. 2000 mm	approx. 2000 mm
Wheelbase	2640 mm	2640 mm	2640 mm	2640 mm	2640 mm
Track, front	1550 mm	1550 mm	1550 mm	1550 mm	1550 mm
Track, rear	1560 mm	1560 mm	1560 mm	1560 mm	1560 mm
Ground clearance	140 mm	140 mm	140 mm	140 mm	140 mm
WEIGHT/MISCELLANEOUS					
Serving Weight (Depending on type of engine, gearbox etc.)	1646 kg / 1684 kg	1646 kg / 1684 kg	1646 kg / 1684 kg	1646 kg / 1684 kg	1646 kg / 1684 kg
Total Weight (Depending on type of engine, gearbox etc.)	- 2090 kg	- 2090 kg	- 2090 kg	- 2090 kg	- 2090 kg
Max trailer weight, Unbraked (Max)	750 kg	750 kg	750 kg	750 kg	750 kg
Max trailer weight, Braked (Max)	1500 kg	1500 kg	1500 kg	1500 kg	1500 kg
Fuel tank, Petrol	62 l	62 l	62 l	-	-
Fuel tank, Diesel	-	-	-	52 l	60 l
Aerodynamics, (Cd)	0.31	0.31	0.31	0.31	0.31
Aerodynamics, (Frontal area)	2,13 - 2,15 m2	2,13 - 2,15 m2	2,13 - 2,15 m2	2,13 - 2,15 m2	2,13 - 2,15 m2
Headroom with roof closed (front/rear)	970 mm / 924 mm	970 mm / 924 mm	970 mm / 924 mm	970 mm / 924 mm	970 mm / 924 mm
INTERIOR MEASUREMENTS					
Passenger compartment width at shoulder height (front/rear)	1361 mm / 1194 mm	1361 mm / 1194 mm	1361 mm / 1194 mm	1361 mm / 1194 mm	1361 mm / 1194 mm
Leg room (front/rear)	1074 mm / 862 mm	1074 mm / 862 mm	1074 mm / 862 mm	1074 mm / 862 mm	1074 mm / 862 mm
Luggage volume, roof closed/open	404 l / 200 l	404 l / 200 l	404 l / 200 l	404 l / 200 l	404 l / 200 l
Cargo length at floor from the back of the rear torsional wall	850 mm	850 mm	850 mm	850 mm	850 mm
Loading height between cargo floor and trunk divider roof closed/open	525 mm / 265 mm	525 mm / 265 mm	525 mm / 265 mm	525 mm / 265 mm	525 mm / 265 mm
Lift over height to enter luggage compartment	680 mm	680 mm	680 mm	680 mm	680 mm
Width of luggage compartment between wheelhouses	960 mm	960 mm	960 mm	960 mm	960 mm

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CHASSIS					
Suspension front	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Suspension rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering ratio (angle/angle)	15,3:1	15,3:1	15,3:1	15,3:1	15,3:1
Turning circle (Curb to curb)	11,8 m	11,8 m	11,8 m	11,8 m	11,8 m
Turning circle (Wall to wall)	11,95 m	11,95 m	11,95 m	11,95 m	11,95 m
Turns of steering wheel end to end	2.58	2.58	2.58	2.58	2.58
Braking system	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front ventilated)	300 mm / 320 mm	300 mm / 320 mm	300 mm / 320 mm	300 mm / 320 mm	300 mm / 320 mm
Brake disc diameter (rear solid)	280 mm	280 mm	280 mm	280 mm	280 mm
Brake disc thickness (front)	25 mm	25 mm	25 mm	25 mm	25 mm
Brake disc thickness (rear)	11 mm	11 mm	11 mm	11 mm	11 mm
Braking distance 100-0 km/h	37,6 m	37,6 m	37,6 m	37,6 m	37,6 m

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