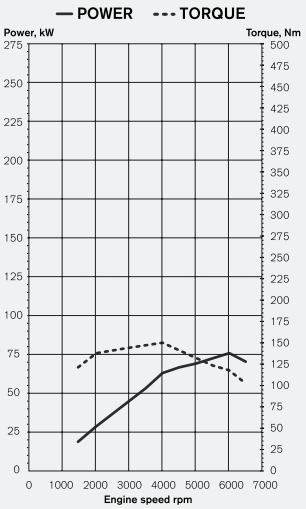
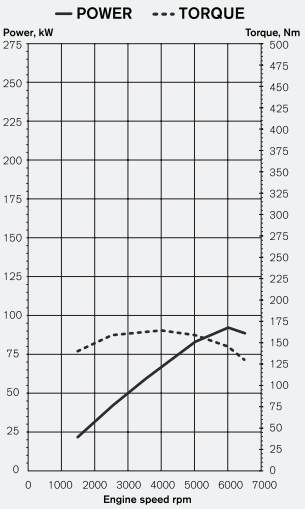
Volvo C30

Cont'd Volvo C30 →

ENGINES	Volvo C30 1.6 (B4164S3)	Volvo C30 1.8 (B4184S11)
Type	In-line 4 cyl., naturally aspirated	In-line 4 cyl., naturally aspirated
Configuration	Transverse, front wheel drive	Transverse, front wheel drive
Displacement, cm^3	1596	1798
Bore (mm)	79	83
Stroke (mm)	81.4	83.1
Engine cylinder block material	Aluminium	Aluminium
Cylinderhead material	Aluminium	Aluminium
Compression ratio	11.0	10.8
Valves, no/cylinder	4	4
Camshafts	2	2
Engine management system	Microprocessor controlled fuel and ignition system with self diagnostics	Microprocessor controlled fuel and ignition system with self diagnostics
Ignition sequence	1-3-4-2	1-3-4-2
Engine idling speed, rpm	725	700
Fuel, rec. octane	91–98 RON	95–98 RON
Max output, kW (hp)/rpm.	74 (100)/6000	92 (125)/6000
Max torque, Nm/rpm.	150/4000	165/4000

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 and rear.
Braking distance 100–0 km/h		38 m
Brake disc diameter Front/Rear		278–300/280mm

	Volvo C30 1.6 (B4164S3)	Volvo C30 1.8 (B4184S11)
Manual gearbox/final drive	IB5/4.06	MTX75B4/4.07
Automatic gearbox/final drive	–	–
PERFORMANCE		
Gearbox	Manual	Manual
Acceleration, 0–100 km/h (sec)	11.8	10.8
Top speed, km/h	185	200
Fuel consumption l/100 km (Combined)	7.0	7.3
CO_2 g/km	167	174

TRANSMISSIONS

5- or 6-speed manual gearbox.

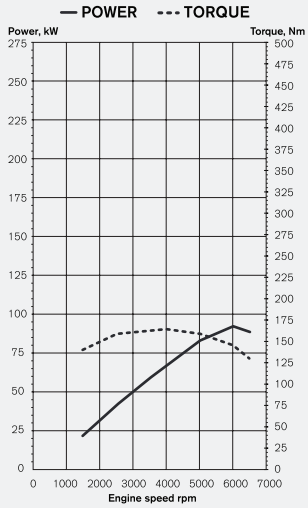
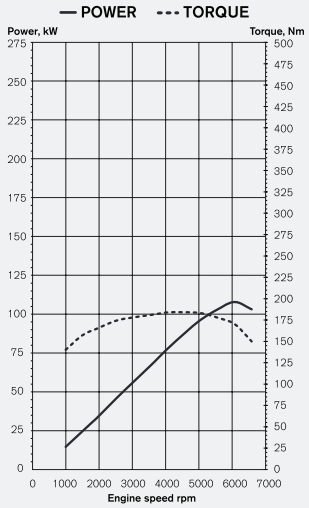
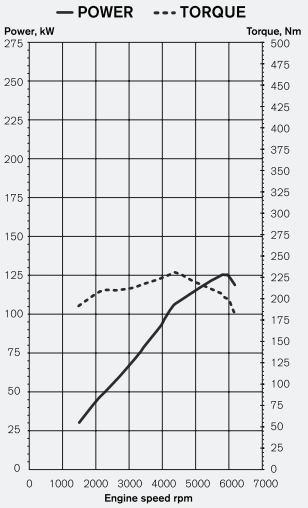
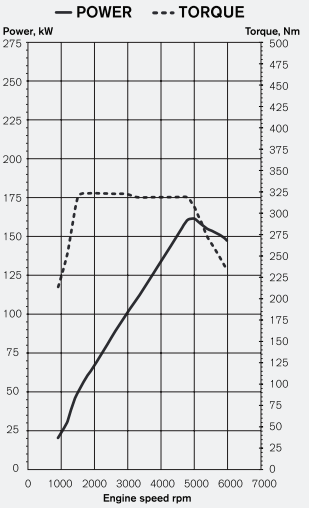
5-speed adaptive automatic transmissions with Geartronic, electronically controlled, with lock-up and winter mode selection.

RATIO	IB5	MTX75B4	MTX75Q1	M56H	M66W	MTX75P3	MMT6	AW55-51
First	3.58	3.67	3.42	3.07	3.39	3.80	3.23	4.66
Second	2.04	2.14	2.14	1.77	1.91	2.05	1.86	3.03
Third	1.41	1.48	1.45	1.19	1.27	1.35	1.24	1.98
Fourth	1.11	1.11	1.03	0.87	0.95	0.92	0.84	1.34
Fifth	0.88	0.85	0.81	0.70	0.78	0.71	0.89	1.02
Sixth	–	–	–	–	0.65	–	0.71	–
Reverse	3.62	3.73	3.73	2.99	3.20	3.73	4.19	5.11

August 2006

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

Cont'd Volvo C30 →

Volvo C30 1.8F (B4184S8)	**Volvo C30 2.0 (B4204S3)**	**Volvo C30 2.4i (B5244S4)**	**Volvo C30 T5 (B5254T3)**
In-line 4 cyl., naturally aspirated	In-line 4 cyl., naturally aspirated	In-line 5 cyl., naturally aspirated	In-line 5 cyl., light press. turbo
Transverse, front wheel drive	Transverse, front wheel drive	Transverse, front wheel drive	Transverse, front wheel drive
1798	1999	2435	2521
83	87.5	83	83
83.1	83.1	90	93,2
Aluminium	Aluminium	Aluminium	Aluminium
Aluminium	Aluminium	Aluminium	Aluminium
10.8	10.8	10.3	9.0
4	4	4	4
2	2	2	2
Microprocessor controlled fuel and ignition system with self diagnostics	Microprocessor controlled fuel and ignition system with self diagnostics	Microprocessor controlled fuel and ignition system with self diagnostics	Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2	1-3-4-2	1-2-4-5-3	1-2-4-5-3
700	700	720	770
95–98 RON	91–98 RON	91–98 RON	91–98 RON
92 (125)/6000	107 (145)/6000	125 (170)/6000	162 (220)/5000
165/4000	185/4500	230/4400	320/1500–4800
			
MTX75B4/4.07	MTX75Q1/4.07	M56H/4.25	M66W/3.77
–	–	AW55-51/2.44	AW55-51/2.27

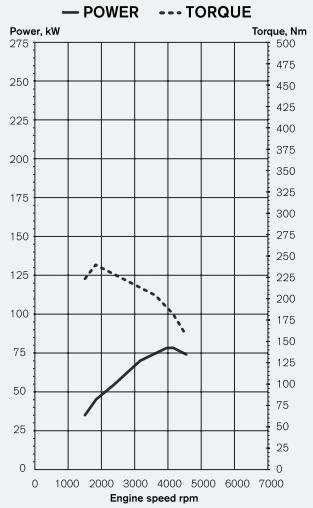
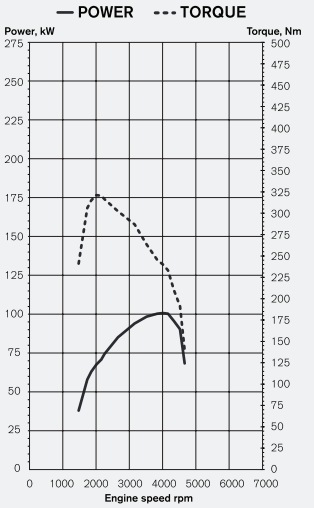
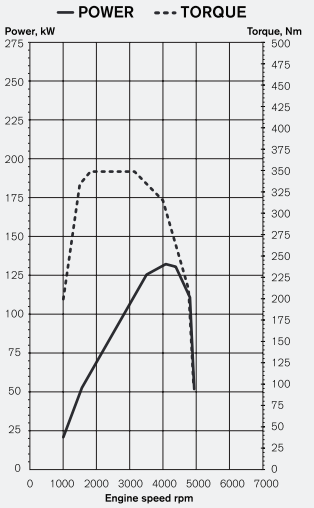
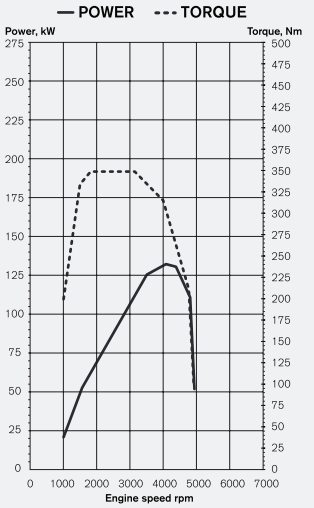
Manual	Manual	Manual	Automatic	Manual	Automatic
10.8	9.4	8.1	8.8	6.7	7.1
200	210	220	215	240	235
10.4 (E85 Bio-Ethanol)/7.3 (Petrol)	7.3	8.4	9.0	8.7	9.4
171 (E85 Bio-Ethanol)/174 (Petrol)	174	200	214	208	224

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (CM)	
Length	425.2
Width	178.2
Height, curb	144.7
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

WEIGHTS/MISCELLANEOUS	
Weight, curb, kg, (min–max, depending on model)	1204–1404
Fuel tank, l (min–max, depending on model)	52–62
Max. trailer weight, kg, (min–max, depending on model)	1200–1500
Max load, kg	400
Max roof load, kg	75
Drag coefficient, Cd	0.31

INTERIOR MEASUREMENTS (CM)	
Headroom without sunroof (front/rear)	98.8/95.9
Headroom with sunroof (front/rear)	96.5/95.9
Passenger compartment width at shoulder height (front/rear)	139.0/130.3
Leg room (front/rear)	105.7/86.9
Cargo volume, including under floor storage (ISO V211)	
with spare wheel	233
with repair kit	251
Cargo length (L209)	66.3
Cargo length with rear seat(s) folded down	153.4
Height of luggage compartment (H201)	64.2
Liftover height (H195)	80.7
Width of luggage compartment between wheelhouses	95.4

Volvo C30 1.6D (D4164T)	Volvo C30 2.0D (D4204T)	Volvo C30 D5 (D5244T8)	Volvo C30 D5 (D5244T9)[B]
In-line 4 cyl. turbo diesel	In-line 4 cyl. turbo diesel	In-line 5 cyl. turbo diesel	In-line 5 cyl. turbo diesel
Transverse, front wheel drive	Transverse, front wheel drive	Transverse, front wheel drive	Transverse, front wheel drive
1560	1997	2400	2400
75	85	81	81
88.3	88	93,2	93,2
Aluminium	Aluminium	Aluminium	Aluminium
Aluminium	Aluminium	Aluminium	Aluminium
18.3	18.5	17.3	17.3
4	4	4	4
2	2	2	2
Common-Rail Direct Injection with self diagnostics	Common-Rail Direct Injection with self diagnostics	Common-Rail Direct Injection with self diagnostics	Common-Rail Direct Injection with self diagnostics
1-3-4-2	1-3-4-2	1-2-4-5-3	1-2-4-5-3
790	800	760	760
Diesel Min Cetane 48	Diesel Min Cetane 48	Diesel Min Cetane 48	Diesel Min Cetane 48
80 (109)/4000	100 (136)/4000	132 (180)/4000	120 (163)/4000
240/1750	320/2000	350/1750–3250	340/1750–3000
			
MTX75P3/3.41	MMT6/2.85[A]	–	–
–	–	AW55-51/2.27	AW55-51/2.27
Manual	Manual	Automatic	Automatic
11.9	9.4	8.4	9.3
190	210	220	210
4.9	5.7	6.9	6.9
129	151	182	182

[A] Gear 5, 6 & Rev. (4.07 Gear 1, 2, 3, 4)

[B] Belgian market only