

ENGINES

Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm.
Max torque, Nm/rpm.

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

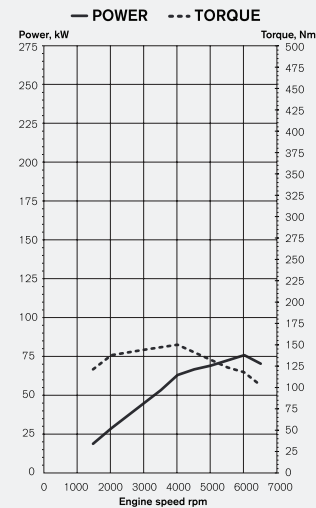
Manual gearbox/final drive
Automatic gearbox/final drive

PERFORMANCE

Gearbox
Acceleration, 0–100 km/h (sec)
Top speed, km/h
Fuel consumption l/100 km (Combined)
CO ₂ g/km

Volvo C30 1.6 (B4164S3)

In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1596
79
81.4
Aluminium
Aluminium
11.0
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2
725
91–98 RON
74 (100)/6000
150/4000



IB5/4.06

Manual

11.8

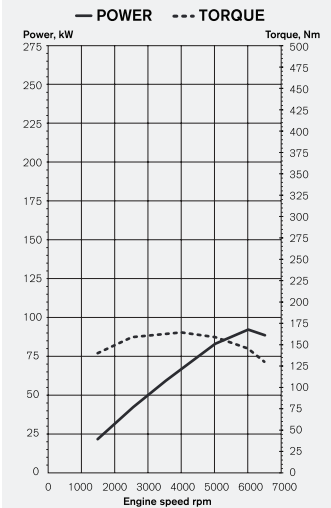
185

7.0

167

Volvo C30 1.8 (B4184S11)

In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1798
83
83.1
Aluminium
Aluminium
10.8
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2
700
95–98 RON
92 (125)/6000
165/4000



MTX75B4/4.07

Manual

10.8

200

7.3

174

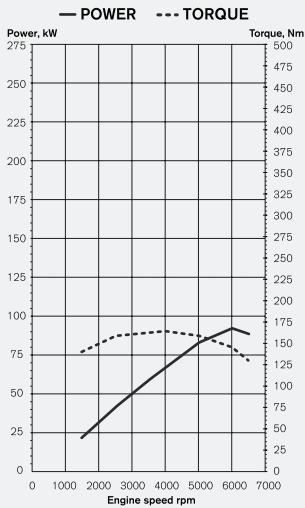
TRANSMISSIONS

5- or 6-speed manual gearbox.

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

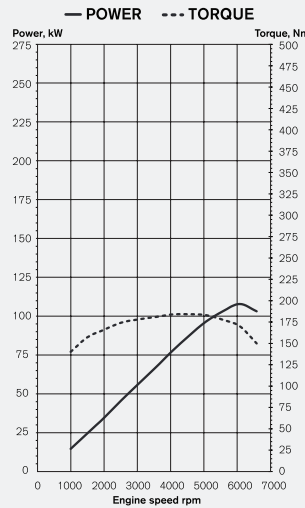
RATIO	IB5	MTX75B4	MTX75Q1	M56H	M66W	MTX75P3	MMT6	AW55-51
First	3.58	3.67	3.42	3.07	3.39	3.80	3.23	4.66
Second	2.04	2.14	2.14	1.77	1.91	2.05	1.86	3.03
Third	1.41	1.48	1.45	1.19	1.27	1.35	1.24	1.98
Fourth	1.11	1.11	1.03	0.87	0.95	0.92	0.84	1.34
Fifth	0.88	0.85	0.81	0.70	0.78	0.71	0.89	1.02
Sixth	–	–	–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

Volvo C30 1.8F (B4184S8)
In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1798
83
83.1
Aluminium
Aluminium
10.8
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2
700
95-98 RON
92 (125)/6000
165/4000



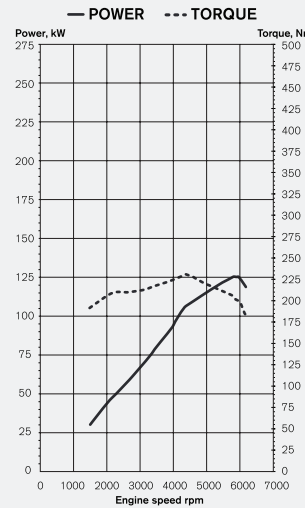
MTX75B4/4.07
-
Manual
10.8
200
10.4 (E85 Bio-Ethanol)/7.3 (Petrol)
171 (E85 Bio-Ethanol)/174 (Petrol)

Volvo C30 2.0 (B4204S3)
In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1999
87.5
83.1
Aluminium
Aluminium
10.8
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2
700
91-98 RON
107 (145)/6000
185/4500



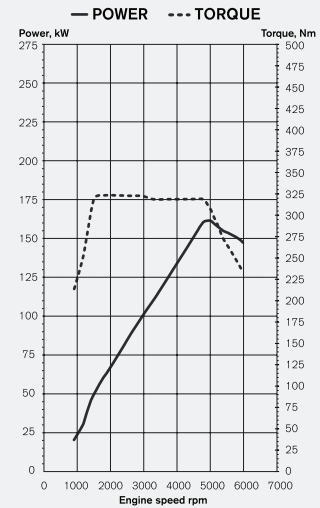
MTX75Q1/4.07
-
Manual
9.4
210
7.3
174

Volvo C30 2.4i (B5244S4)
In-line 5 cyl., naturally aspirated
Transverse, front wheel drive
2435
83
90
Aluminium
Aluminium
10.3
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
720
91-98 RON
125 (170)/6000
230/4400



M56H/4.25
AW55-51/2.44
Manual
8.1
220
8.4
200
Automatic
8.8
215
9.0
214

Volvo C30 T5 (B5254T3)
In-line 5 cyl., light press. turbo
Transverse, front wheel drive
2521
83
93,2
Aluminium
Aluminium
9.0
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
770
91-98 RON
162 (220)/5000
320/1500-4800



M66W/3.77
AW55-51/2.27
Manual
6.7
240
8.7
208
Automatic
7.1
235
9.4
224

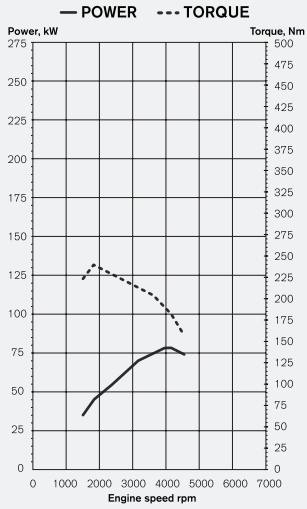
MEASUREMENTS AND VOLUMES

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)
In-line 4 cyl. turbo diesel
Transverse, front wheel drive
1560
75
88.3
Aluminium
Aluminium
18.3
4
2
Common-Rail Direct Injection with self diagnostics
1-3-4-2
790
Diesel Min Cetane 48
80 (109)/4000
240/1750



MTX75P3/3.41

Manual

11.9

4.9

129

Volvo C30 2.0D (D4204T)
In-line 4 cyl. turbo diesel
Transverse, front wheel drive
1997
85
88
Aluminium
Aluminium
18.5
4
2
Common-Rail Direct Injection with self diagnostics
1-3-4-2
800
Diesel Min Cetane 48
100 (136)/4000
320/2000



MMT6/2.85^A

Manual

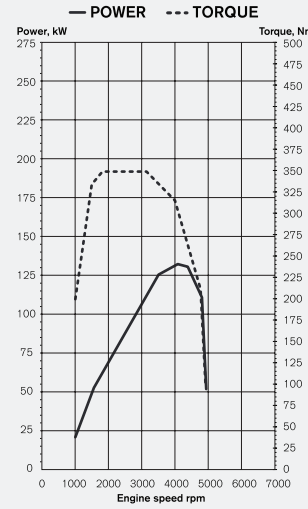
9.4

5.7

151

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

Volvo C30 D5 (D5244T8)
In-line 5 cyl. turbo diesel
Transverse, front wheel drive
2400
81
93,2
Aluminium
Aluminium
17.3
4
2
Common-Rail Direct Injection with self diagnostics
1-2-4-5-3
760
Diesel Min Cetane 48
132 (180)/4000
350/1750-3250



AW55-51/2.27

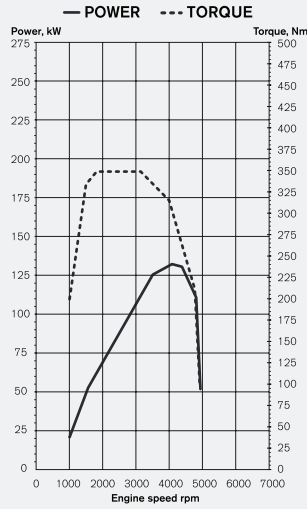
Automatic

8.4

6.9

182

Volvo C30 D5 (D5244T9)^B
In-line 5 cyl. turbo diesel
Transverse, front wheel drive
2400
81
93,2
Aluminium
Aluminium
17.3
4
2
Common-Rail Direct Injection with self diagnostics
1-2-4-5-3
760
Diesel Min Cetane 48
120 (163)/4000
340/1750-3000



AW55-51/2.27

Automatic

9.3

6.9

182

^B Belgian market only