

Volvo V40 Cross Country

CONT'D VOLVO V40 →
CROSS COUNTRY

ENGINES

Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinder head 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 →

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

T3 (B4204T37)		T3 (B4154T4)	
In-line 4-cyl. turbocharged		In-line 4-cyl. turbocharged	
Transverse, front wheel drive		Transverse, front wheel drive	
1969		1498	
82.0		82.0	
93.2		70.9	
Aluminium		Aluminium	
Aluminium		Aluminium	
11.3:1		10.5:1	
4		4	
2		2	
Gasoline direct injection		Gasoline direct injection	
1 - 3 - 4 - 2		1 - 3 - 4 - 2	
850±100		850±100	
95-98 RON		95-98 RON	
112 (152)/5000		112 (152)/5000	
250/1300-4000		250/1700-4000	

Power [kW]	Torque [Nm]	Power [kW]	Torque [Nm]

M76 R6.2	4.056	-	-
-	-	AW TF-71SC	3.365
Manual	-	-	Automatic
9.1	-	-	8.5
210	-	-	210
5.6	-	-	5.6
128	-	-	131

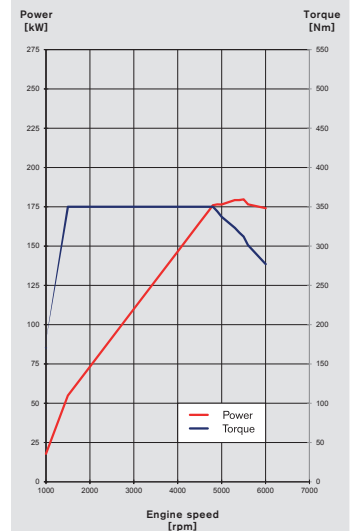
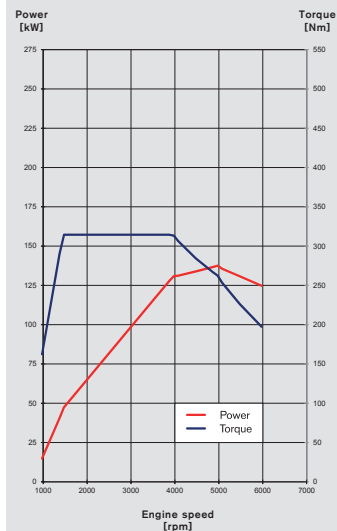
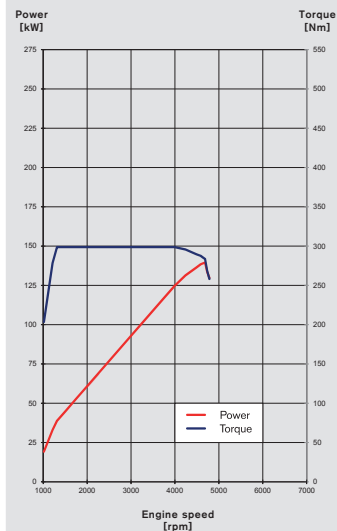
TRANSMISSIONS

- 6-speed manual gearbox
- 6-speed automatic gearbox
- 8-speed automatic gearbox

RATIO	M66H	M76 R6.2	M76 R7.0	AW TF-71SC	AW TG-81SC
First	3.385	3.583	3.583	4.044	5.250
Second	1.952	2.048	2.048	2.371	3.029
Third	1.267	1.310	1.290	1.556	1.950
Fourth	0.868	0.919	0.886	1.159	1.457
Fifth	0.652	0.690	0.651	0.852	1.221
Sixth	0.540	0.578	0.511	0.672	1.000
Seventh	-	-	-	-	0.809
Eighth	-	-	-	-	0.673
Reverse	2.692	3.333	3.333	3.193	4.015

ENGINES	T4 (B4204T19)	T4 AWD (B4204T21)	T5 (B4204T11)
Type	In-line 4-cyl. turbocharged	In-line 4-cyl. turbocharged	In-line 4-cyl. turbocharged
Configuration	Transverse, front wheel drive	Transverse, all wheel drive	Transverse, front wheel drive
Displacement, cm ³	1969	1969	1969
Bore (mm)	82.0	82.0	82.0
Stroke (mm)	93.2	93.2	93.2
Engine cylinder block material	Aluminium	Aluminium	Aluminium
Cylinder head material	Aluminium	Aluminium	Aluminium
Compression ratio	11.3:1	10.8:1	10.8:1
Valves, no/cylinder	4	4	4
Camshafts	2	2	2
Engine management system	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection
Ignition sequence	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2
Engine idling speed, rpm	850±100	850±100	850±100
Fuel, rec. octane	95-98 RON	95-98 RON	95-98 RON
Max output, kW (hp)/rpm	140 (190)/4700	140 (190)/5000	180 (245)/5500
Max torque, Nm/rpm	300/1300-4000	320/1500-4000	350/1500-4800

POWER AND TORQUE →



Manual gearbox/final drive	M76 R6.2	4.056	-	-
Automatic gearbox/final drive	AW TF-71SC	3.365	AW TG-81SC	2.839
PERFORMANCE				
Gearbox	Manual	Automatic	Automatic	Automatic
Acceleration, 0-100 km/h (sec)	8.0	7.1	7.4	6.1
Top speed, km/h	210	210	210	210
Fuel consumption l/100 km (combined)	5.6	5.6	6.4	6.4
CO ₂ g/km	128	129	149	149

CHASSIS

Suspension	front	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
	rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering	Electrical Power Assisted Rack and Pinion Steering	
Turning circle, (curb to curb)	10.9 m/11.3 m (Tire (width) 205/225)	
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

ENGINES

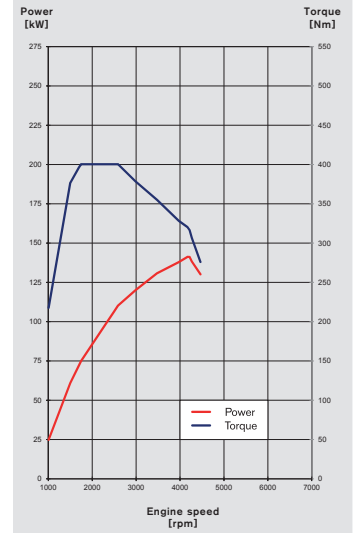
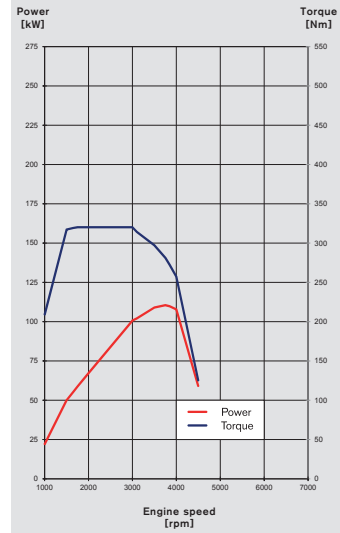
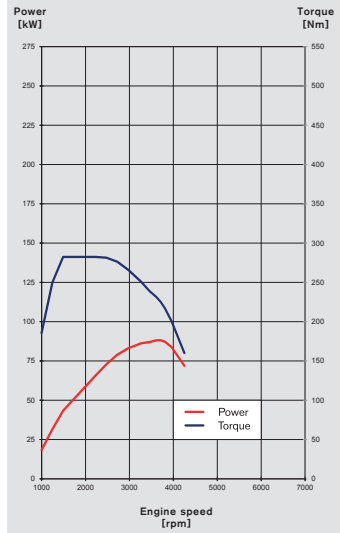
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinder head material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel
Max output, kW (hp)/rpm
Max torque, Nm/rpm

D2 (D4204T8)
In-line 4-cyl. turbo diesel
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
16.0:1
4
2
Electronically controlled common rail direct injection
1 - 3 - 4 - 2
850±150
Diesel*
88 (120)/3750
280 /1500-2250

D3 (D4204T9)
In-line 4-cyl. turbo diesel
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
16.0:1
4
2
Electronically controlled common rail direct injection
1 - 3 - 4 - 2
825±150
Diesel*
110 (150)/3750
320/1750-3000

D4 (D4204T14)
In-line 4-cyl. twin turbo diesel
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
15.8:1
4
2
Electronically controlled common rail direct injection
1 - 3 - 4 - 2
825±50
Diesel*
140 (190)/4250
400/1750-2500

POWER AND TORQUE →



Manual gearbox/final drive
Automatic gearbox/final drive

M76 R7.0	4.056
AW TF-71SC	3.365

M76 R7.0	4.056
AW TF-71SC	3.365

M66H	4.000
AW TG-81SC	2.666

PERFORMANCE

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

Manual	Automatic
10.6	10.6
190	190
3.8	3.9
99	104

Manual	Automatic
8.5	8.5
210	210
3.9	4.1
102	109

Manual	Automatic
7.7	7.5
210	210
4.0	4.3
104	112

* According to EN590
Maximum biodiesel (FAME) content 7%

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Maximum biodiesel (FAME) content 7%

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (CM)

Length	437.0
Width (body width)	178.3
Width (including outer mirrors)	204.1
Height (body height)	145.8
Height (including shark fin antenna)	147.0
Wheelbase	264.7
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	14.4-15.3

WEIGHTS/MISCELLANEOUS

Weight, kg (min-max, depending on setup)	1569-1643
Fuel tank, l	57**/62
Max. trailer weight, kg	1500
Max roof load, kg	75
Drag coefficient, Cd	0.32/0.34

**= all wheel drive

INTERIOR MEASUREMENTS (CM)

Headroom, maximum (front/rear) (H62-1/H61-2 SR)	98.4/93.2
Passenger compartment width at shoulder height (front/rear) (W3-1/W3-2)	139.6/134.9
Leg room (front/rear) (L34/L51-2)	107.3/84.7
Cargo volume, including under floor storage (litres) (V211-2)	324
- under floor volume (litres) (V209)	5
Cargo length from the second seatback to the tailgate measured at:	
- the height of the floor covering (std/opt) (SAE L202-2)	68.4/78.2
Cargo length from the first seatback to the tailgate measured at:	
- the height of the floor covering (std/opt) (SAE L202-1)	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 (GCIE W207)	91.6

