

Volvo V40 Cross Country

CONT'D VOLVO V40 →
CROSS COUNTRY

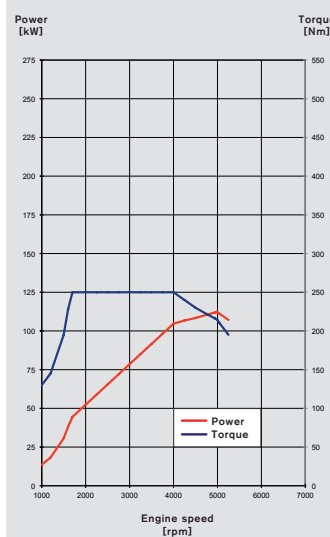
ENGINES

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 →

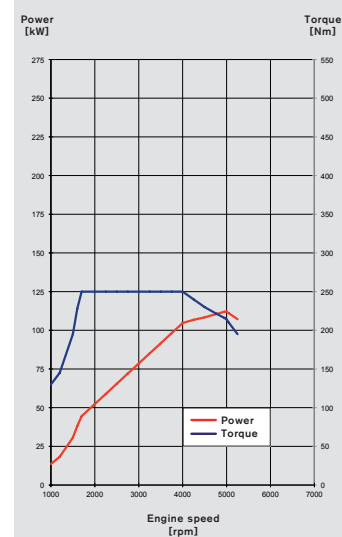
Manual gearbox/final drive
Automatic gearbox/final drive
PERFORMANCE
Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h
Fuel consumption l/100 km (combined)
CO ₂ g/km

T3 (B4204T37)
In-line 4-cyl. turbo petrol
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
11.3:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
850 ± 100
Min 91RON
112 (152)/5000
250/1300-4000



M66H	4.267
-	-
Manual	Automatic
8.5	8.5
210	210
5.5	5.6
128	131

T3 (B4154T4)
In-line 4-cyl. turbo petrol
Transverse, front wheel drive
1498
82.0
70.9
Aluminium
Aluminium
10.5:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
850 ± 100
Min 91RON
112 (152)/5000
250/1700-4000



-	-
AW TF-71SC	3.365
Manual	Automatic
8.5	8.5
210	210
5.6	5.6
131	131

TRANSMISSIONS

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

RATIO	M66H	M66F	AW TF-71SC	AW TG-81SC
First	3.385	3.583	4.044	5.250
Second	1.952	2.050	2.371	3.029
Third	1.267	1.267	1.556	1.950
Fourth	0.868	0.838	1.159	1.457
Fifth	0.652	0.617	0.852	1.221
Sixth	0.540	0.510	0.672	1.000
Seventh	-	-	-	0.809
Eighth	-	-	-	0.673
Reverse	2.692	2.833	3.193	4.015

ENGINES

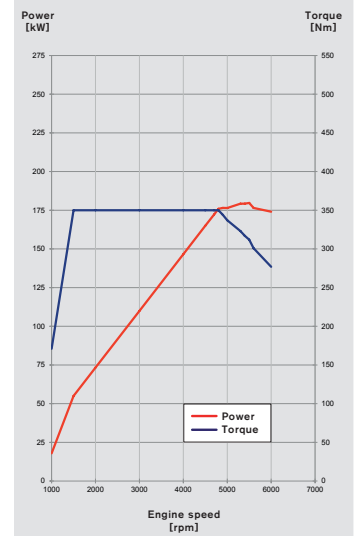
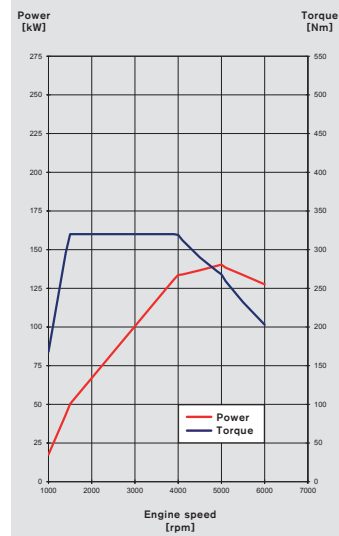
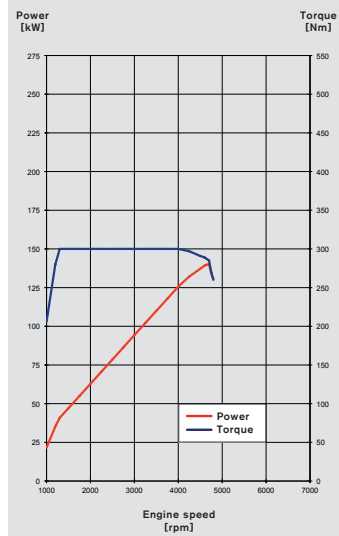
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm.
Max torque, Nm/rpm.

T4 (B4204T19)
In-line 4-cyl. turbo petrol
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
11.3:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
850 ± 100
Min 91RON
140 (190)/4700
300/1300-4000

T4 (B4204T21)
In-line 4-cyl. turbo petrol
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
10.8:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
850 ± 100
Min 91RON
140 (190)/5000
320/1500-4000

T5 (B4204T11)
In-line 4-cyl. turbo petrol
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
10.8:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
850 ± 100
Min 91RON
180 (245)/5500
350/1500-4800

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

M66H	4.267
AW TF-71SC	3.365
Manual	Automatic
7.1	7.1
210	210
5.5	5.6
128	129

-	-
AW TG-81SC	2.839
Automatic	Automatic
7.4	7.4
210	210
6.4	6.4
149	149

-	-
AW TG-81SC	2.839
Automatic	Automatic
6.1	6.1
210	210
6.4	6.4
149	149

CHASSIS

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

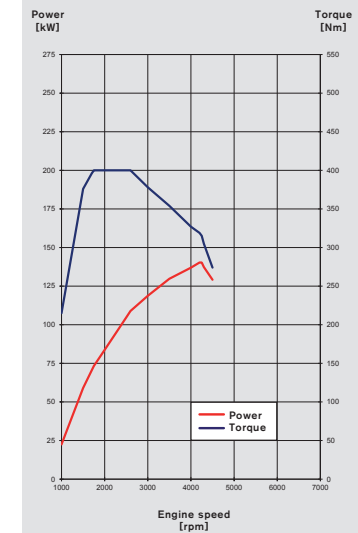
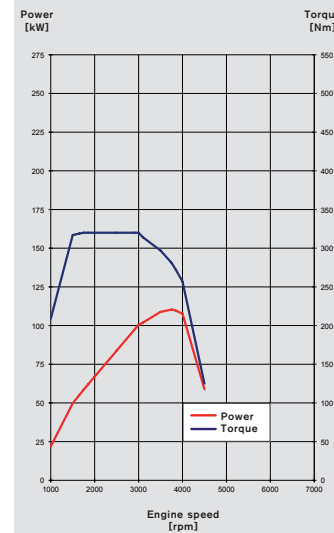
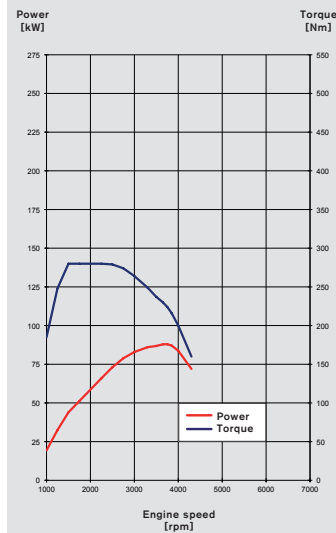
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Engine cylinder block material
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Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm.
Max torque, Nm/rpm.

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
825
Cetane Number: Min 48*
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
Cetane Number: Min 48*
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
Cetane Number: Min 48*
140 (190)/4250
400/1750-2500

POWER AND TORQUE →



Manual gearbox/final drive	M66F	4.000
Automatic gearbox/final drive	AW TF-71SC	3.365

Manual	Automatic
8.5	8.5
210	210
3.8	4.0
99	105

Manual	Automatic
7.7	7.5
210	210
4.0	4.3
104	112

Manual	Automatic
10.6	10.6
190	190
3.7	3.9
96	101

PERFORMANCE	
Gearbox	Manual Automatic
Acceleration, 0-100 km/h (sec)	10.6 10.6
Top speed, km/h	190 190
Fuel consumption l/100 km (combined)	3.7 3.9
CO ₂ g/km	96 101

PERFORMANCE	
Gearbox	Manual Automatic
Acceleration, 0-100 km/h (sec)	8.5 8.5
Top speed, km/h	210 210
Fuel consumption l/100 km (combined)	3.8 4.0
CO ₂ g/km	99 105

PERFORMANCE	
Gearbox	Manual Automatic
Acceleration, 0-100 km/h (sec)	7.7 7.5
Top speed, km/h	210 210
Fuel consumption l/100 km (combined)	4.0 4.3
CO ₂ g/km	104 112

* Maximum biodiesel (RME) content 7%

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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	264.6
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 (D4162T/all other)	0.32/0.34

*= all wheel drive

INTERIOR MEASUREMENTS (CM)

Headroom, maximum (front/rear)	98.4/93.2
Passenger compartment width at shoulder height (front/rear)	139.6/134.9
Leg room (front/rear)	107.3/84.7
Cargo volume, including under floor storage (litres)	324
- under floor volume (litres)	5
Cargo length from the second seatback to the tailgate measured at: - the height of the floor covering (std/opt)	68.4/78.2
Cargo length from the first seatback to the tailgate measured at: - the height of the floor covering (std/opt)	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	91.6

