

Volvo V40 Cross Country

CONT'D VOLVO V40 →
CROSS COUNTRY

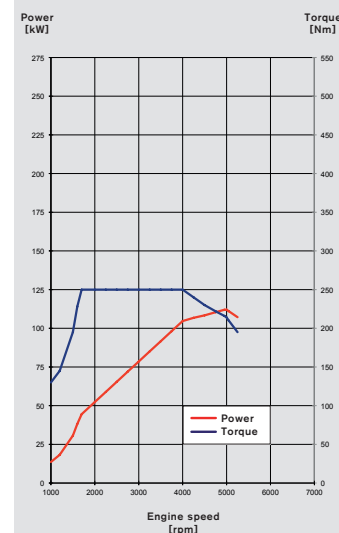
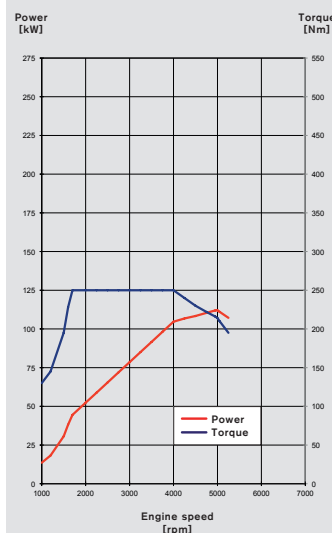
ENGINES

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.

T3 (B4204T37)
In-line 4-cyl. turbocharged
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
95-98 RON
112 (152)/5000
250/1300-4000

T3 (B4154T4)
In-line 4-cyl. turbocharged
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
95-98 RON
112 (152)/5000
250/1700-4000

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

M76 R6.2	4.056
-	-
Manual	Automatic
9.1	8.5
210	210
5.6	5.6
128	131

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

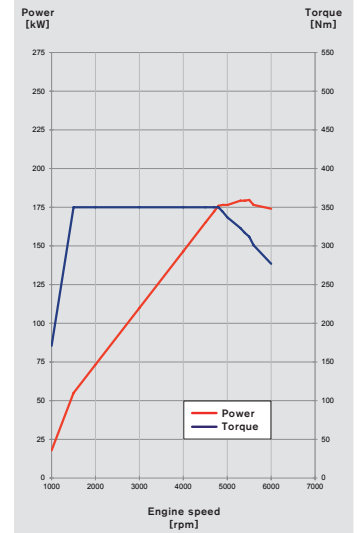
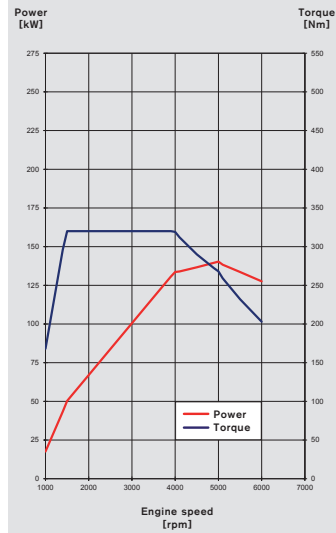
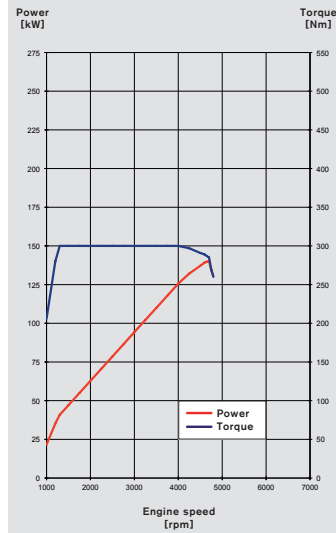
Type	
Configuration	
Displacement, cm ³	
Bore (mm)	
Stroke (mm)	
Engine cylinder block material	
Cylinderhead material	
Compression ratio	
Valves, no/cylinder	
Camshafts	
Engine management system	
Ignition sequence	
Engine idling speed, rpm	
Fuel, rec. octane	
Max output, kW (hp)/rpm.	
Max torque, Nm/rpm.	

T4 (B4204T19)	
In-line 4-cyl. turbocharged	
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	
95-98 RON	
140 (190)/4700	
300/1300-4000	

T4 AWD (B4204T21)	
In-line 4-cyl. turbocharged	
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	
95-98 RON	
140 (190)/5000	
320/1500-4000	

T5 AWD (B4204T11)	
In-line 4-cyl. turbocharged	
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	
95-98 RON	
180 (245)/5500	
350/1500-4800	

POWER AND TORQUE →



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

-		
AW TG-81SC		2.839

-		
AW TG-81SC		2.839

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

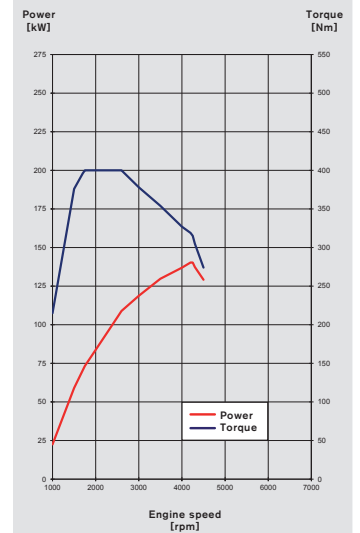
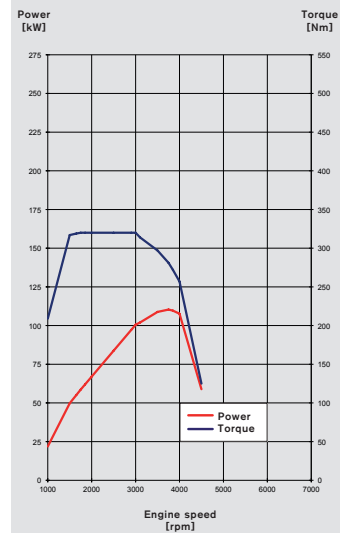
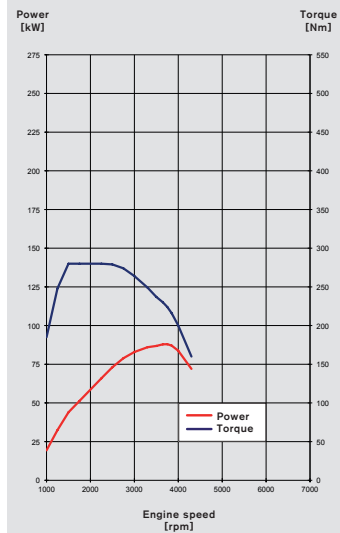
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel
Max output, kW (hp)/rpm.
Max torque, Nm/rpm.

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	M76 R7.0	4.056
Automatic gearbox/final drive	AW TF-71SC	3.365

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)	3.8	3.9
CO ₂ g/km	99	101

Manual	Automatic
8.5	8.5
210	210
3.9	4.0
102	105

Manual	Automatic
7.7	7.5
210	210
4.0	4.3
104	112

Manual	Automatic
7.7	7.5
210	210
4.0	4.3
104	112

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

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

*According to EN590
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)	98.4/93.2
Passenger compartment width at shoulder height (front/rear) (W3-1/W3-2)	139.6/134.9
Leg room (front/rear)	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	91.6

