

# Volvo V60

## ENGINES

Type
Configuration
Displacement, cm <sup>3</sup>
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

## B3 (B420T4)

In-line 4-cyl. turbocharged
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
12.0:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
800 ± 75
95 – 98 RON
120 (163) / 4750 - 5250
265 / 1500 - 4000

## B4 (B420T5)

In-line 4-cyl. turbocharged
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
12.0:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
800 ± 75
95 – 98 RON
145 (197) / 4750 - 5250
300 / 1500 – 4500

## B6 AWD (B420T)

In-line 4-cyl. supercharged and turbocharged
Transverse, front & all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
9.0:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
800 ± 75
95 – 98 RON
220 (300) / 5400
420 / 2100 – 4800

## POWER AND TORQUE

Manual gearbox/final drive
Automatic gearbox/final drive

–
7DCT EVO 4.333/3.250

–
7DCT EVO 4.333/3.250

–
AWF8G55 3.075

## PERFORMANCE

Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h

Automatic
8.6
180

Automatic
7.6
180

Automatic
6.0
180

## FUEL CONSUMPTION (EU)

WLTP Low l/100 km / CO <sub>2</sub> g/km
WLTP Medium l/100 km / CO <sub>2</sub> g/km
WLTP High l/100 km / CO <sub>2</sub> g/km
WLTP Extra High l/100 km / CO <sub>2</sub> g/km
WLTP Combined l/100 km / CO <sub>2</sub> g/km

9.5 - 9.5 / 216 - 216
5.9 – 6.5 / 135 - 148
5.1 – 5.7 / 115 – 130
5.9 - 6.8 / 135 - 154
6.1 - 6.8 / 139 - 154

9.2 - 9.7 / 209 - 220
5.9 - 6.5 / 135 - 147
5.1 - 5.8 / 116 - 131
6.1 - 7.0 / 138 - 159
6.2 - 6.9 / 140 - 156

11.8 – 12.3 / 267 - 278
7.8 - 8.6 / 177 - 194
6.4 - 7.2 / 145 - 162
7.2 - 8.2 / 162 - 185
7.7 - 8.5 / 174 - 192

## TRANSMISSIONS

7 & 8-speed automatic gearbox.

Ratio	7 DCT EVO	AWF8G45	AWF8G55	AWTG-81SC/SD
First	3.529	5.057	5.057	5.250
Second	2.810	3.070	3.070	3.029
Third	1.395	2.050	2.050	1.950
Fourth	1.043	1.520	1.520	1.457
Fifth	1.105	1.262	1.262	1.221
Sixth	0.851	1.000	1.000	1.000
Seventh	0.725	0.792	0.792	0.809
Eighth	–	0.661	0.661	0.673
Reverse	2.905	3.992	3.992	4.015

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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

### B4 (D420T8)

In-line 4-cyl. turbo diesel
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
15.8:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
825 ± 150
95 – 98 RON
145 (197) / 4000
420 / 1750 – 2750

### T6 Twin Engine (B4204T52)

In-line, 4 cyl. Turbocharged with e-boost
Transverse, front wheel drive, rear electric motor
1969
82.0
93.2
Aluminium
Aluminium
10.3:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
875±50
95 - 98 RON
186 (253) / 5500
350 / 1700 - 5000

### T8 Twin Engine (B4204T56)

In-line, 4 cyl. Turbocharged with e-boost
Transverse, front wheel drive, rear electric motor
1969
82.0
93.2
Aluminium
Aluminium
10.3:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
875 ± 50
95 – 98 RON
228 (310) / 6000
400 / 3000 - 4800

## POWER AND TORQUE

Manual gearbox/final drive
Automatic gearbox/final drive

–
AWF8G45 2.995

–
AW TG-81SD 3.075

–
AW TG-81SD 3.075

## PERFORMANCE

Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h

Automatic
7.9
180

Automatic
5.4
180

Automatic
4.6
180

## FUEL CONSUMPTION (EU)

WLTP Low l/100 km / CO <sub>2</sub> g/km
WLTP Medium l/100 km / CO <sub>2</sub> g/km
WLTP High l/100 km / CO <sub>2</sub> g/km
WLTP Extra High l/100 km / CO <sub>2</sub> g/km
WLTP Combined l/100 km / CO <sub>2</sub> g/km

6.9 - 7.4 / 179 - 193
6.0 - 6.7 / 157 - 176
4.8 - 5.6 / 125 - 145
5.3 - 6.0 / 138 - 157
5.5 - 6.2 / 143 - 162

–
–
–
–
0.7 – 1.0 / 17 - 23

–
–
–
–
0.7 – 1.0 / 17 - 23

Battery type
Battery content, total amount of energy (kWh) (Nominal)
Battery content, total amount of energy (kWh) (Usable)
Battery charging time,* 16A/10A/6A fuse (h) (230V)
Electric Range (WLTP) (km) (EAER, Combined)
Electrical motor max power (kW/rps)
Electrical motor max torque (Nm/rps)
Driveline max power (hp)
Driveline max power (kW)
Driveline max torque (Nm)
Battery placement

Lithium-ion battery
18.8
14.7
3.0 / 4.0 / 7.0
92 - 75
107 / 265
309 / 0 - 55
~350 (253 & 145)
~293 (186*** + 107)
~659 (350*** + 309)

Lithium-ion battery
18.8
14.7
3.0 / 4.0 / 7.0
92 - 75
107 / 265
309 / 0 - 55
~455 (310 + 145)
~335 (228*** + 107)
~709 (400*** + 309)

Lithium-ion battery
18.8
14.7
3.0 / 4.0 / 7.0
92 - 75
107 / 265
309 / 0 - 55
~455 (310 + 145)
~335 (228*** + 107)
~709 (400*** + 309)

\* Time pending on e.g. ambient temp  
 \*\* Only electric driving according to governmental regulations for PHEV  
 \*\*\* In "Hybrid", "Power" and "EL-AWD"-mode

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 \*\* Only electric driving according to governmental regulations for PHEV  
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## CHASSIS

Suspension	front	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
	rear	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar
Steering		Electric Power Assisted Rack and Pinion Steering
Turning circle, curb to curb		11.0 m / 11.3 m / 11.7 m (Rim size: 16"-17" / 18"- 19" / 20")
Braking system		Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Braking distance, 100–0 km/h		35 m
Brake disc diameter	front	296 mm / 322 mm / 345 mm / 371 mm (brake disc: 16"/17"/18"/19")
	rear	302 mm / 320 mm (brake disc: 16" / 17")

## MEASUREMENTS AND VOLUMES

### EXTERIOR MEASUREMENTS (CM)

Length (L103)	477.8
Width (body width) (W116)	185.0
Width (mirrors folded) (W145)	191.6
Width (incl mirrors, outer edge) (144)	204.0
Height (at curb weight) (All / B4204T52 & B4204T56) (H101)	143.7 / 143.0
Height (at curb weight + 1 person) (All / B4204T52 & B4204T56) (H101)	143.2 / 142.7
Wheelbase (L101)	287.2
Track, front, (16" / 17" / 18"-19" / 20") (W101-1)	161.0/160.3/160.0/159.3
Track, rear, (16" / 17" / 18"-19" / 20") (W101-2)	161.0/160.3/160.0/159.3
Ground clearance, curb (at curb weight)(All / B4204T52 & B4204T56) (H156)	14.8 / 14.4
Ground clearance, curb (at curb weight + 1 person) (All / B4204T52 & B4204T56) (H156)	14.2 / 13.8

### WEIGHTS/MISCELLANEOUS

Weight, kg (min-max, depending on setup) (Curb weight/Mass in Running order)	1664 - 1994 / 1734 - 2064
Fuel tank, l	60
SCR tank, l *	11.5
Max. trailer weight, kg (depending on setup)	1800 - 2000
Max roof load, kg	75
Drag coefficient, Cd	0.29

\* D420T8

### INTERIOR MEASUREMENTS (CM)

Headroom maximum, without sunroof (front)(H62-1)	101.9
Headroom maximum, with sunroof (front)(H62-1 SR)	99.4
Headroom without sunroof (front/rear)(H61-1/H61-2)	97.6 / 96.6
Headroom with sunroof (front/rear)(H61-1 SR/H61-2 SR)	94.9 / 96.7
Passenger compartment width at shoulder height (front/rear)(W3-1/W3-2)	142.5 / 138.4
Leg room (front/rear) (L34/L51-2)	107.4 / 89.5
Largest Luggage volume - First (V214-1) (including under floor storage, V209)(Largest volume. Load height limited by the head lining. Front limited by vertical plane tangential to the rear side of the front seatback)	1431 / 1393*
Largest Luggage volume - Second (V214-2) (including under floor storage, V209) (Second seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the second seatback)	648 / 610*
Open Luggage Compartment - First (V211-1) (including under floor storage, V209) (Second seat folded. Load height limited to upper edge of the front seatback or lower edge of the rear window)	888 / 850*
Open Luggage Compartment - Second (V211-2) (including under floor storage, V209) (Second seat up. Load height limited to the upper edge of the second seatback or second window)	519 / 481*
Separate Storage Areas in Luggage Compartment (V209) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) (without rep kit and recess) / (rep kit) / (spare wheel) / (B4204T52 & B4204T56)	47 / 23 / 6 / 9
Cargo length from the first seatback to the tailgate measured at:	
the height of the floor covering (L212-1)	182.1
the top of the first seatback (L214-1)	169.4
Cargo length from the second seatback to the tailgate measured at:	
the height of the floor covering (L212-2)	103.3
the top of the second seatback (L214-2)	81.5
Cargo floor height to ground (curb weight) (H253)	61.1
Rear opening height car center line (H202)	64.4
Cargo height rear wheel center and car center line (H201)	73.1
Cargo floor width, min. between wheel housings (W201)	103.8
Rear opening width	
upper, min. (W205)	88.8
maximum. (W206)	111.0
at floor, min. (W207)	106.4

\* B4204T

