

Volvo V60 Twin Engine

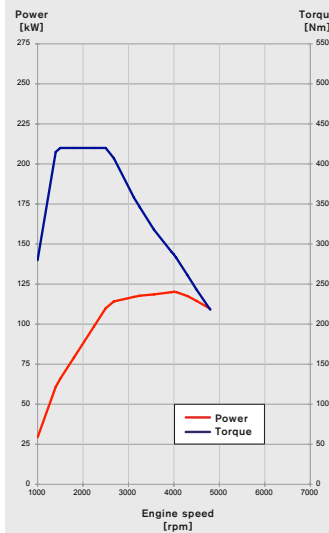
CONT'D VOLVO V60 TWIN ENGINE →

ENGINES

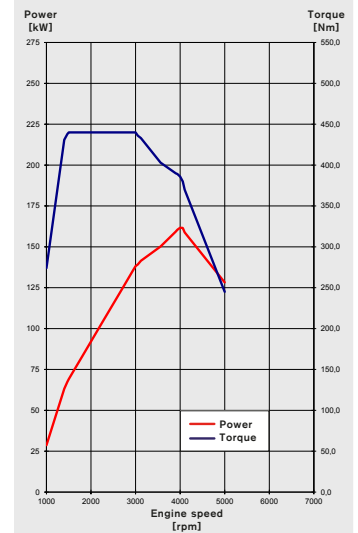
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm
Max torque, Nm/rpm

POWER AND TORQUE →

D5 AWD (D87PHEV)
In-line 5-cyl.turbo diesel
Transverse, front wheel drive, rear electronic motor
2400
81.0
93.2
Aluminium
Aluminium
16.5:1
4
2
Electronically controlled common rail direct injection
1 - 2 - 4 - 5 - 3
700
Cetane Number: Min 48
120 (163)/4000
420/1500-2500



D6 AWD (D97PHEV)
In-line 5-cyl.turbo diesel
Transverse, front wheel drive, rear electronic motor
2400
81.0
93.2
Aluminium
Aluminium
16.5:1
4
2
Electronically controlled common rail direct injection
1 - 2 - 4 - 5 - 3
700
Cetane Number: Min 48
162 (220)/4000
440/1500-3000



Battery type
Battery content, useable energy (kwh)
Battery content, total amount of energy (kwh)
Battery charging time*, at 16A/10A/6A fuse (hours)
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

*) Time pending on e.g. ambient temp **) In "Hybrid"-, "Power"- and "EL-AWD"-mode

Automatic gearbox/final drive

Lithium-ion battery
8
11.2
3.5 / 4.5 / 7.5
50 / 40
200 / 5-28
~231 (163 + 168)
~170 (120** + 50)
~620 (420** + 200)
Over rear axel, outside crash zone
AW TF-80SD/3.075

Lithium-ion battery
8
11.2
3.5 / 4.5 / 7.5
50 / 40
200 / 5-28
~288 (220 + 68)
~212 (162** + 50)
~640 (440** + 200)
Over rear axel, outside crash zone
AW TF-80SD/3.075

TRANSMISSIONS

6-speed automatic transmissions.	
RATIO	AW TF-80SD
First	4.148
Second	2.370
Third	1.556
Fourth	1.155
Fifth	0.859
Sixth	0.686
Reverse	3.394

PERFORMANCE (D5 AWD/D6 AWD)

Gearbox	Hybrid-mode	Pure-mode	Power-mode	EL-AWD-Mode
Acceleration, 0-100 km/h (sec)	9.0/7.9	-	6.9/6.0	-
Top speed, km/h	125*/210 /125*/230	125/125	210/230	150/150
Range (km)	900/900	50**/50**	-	-
Fuel consumption l/100 km (Combined)	1.8/1.8	0.0/0.0	-	-
CO ₂ g/km	48/48	-	-	-

*) Electrical motor only

**) Up to

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (CM)

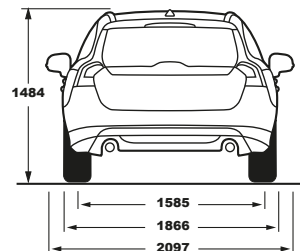
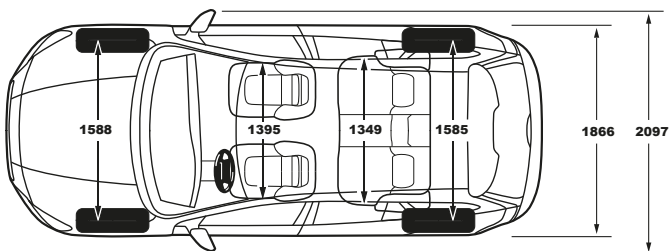
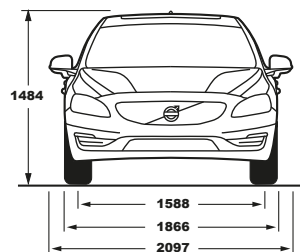
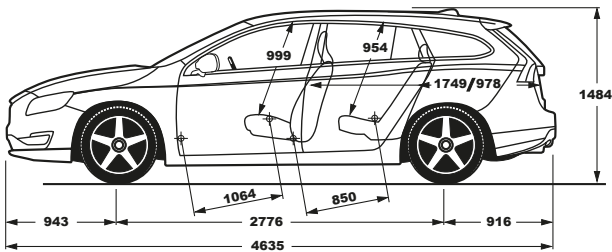
Length	463.5
Width	209.7
Height (including shark fin)	148.4
Wheelbase	277.6
Track, front, (16"/17")	158.8 / 157.8
Track, rear, (16"/17")	158.5 / 157.5
Ground clearance, curb	13.7

WEIGHTS/MISCELLANEOUS

Curb weight, kg (min-max, depending on setup)	2043-2056
Fuel tank, l	45.0
Max. trailer weight, kg	1800
Max roof load, kg	75
Drag coefficient, Cd	0.29

INTERIOR MEASUREMENTS (CM)

Headroom without sunroof (front/rear) (H61-1 / H61-2)	97.3/95.4
Headroom with sunroof (front/rear) (H61-1 SR / H61-2 SR)	95.5/95.4
Headroom maximum, without sunroof (front) (H62-1)	99.9
Passenger compartment width at shoulder height (front/rear) (W3-1 / W3-2)	144.7/140.2
Leg room (front/rear) (L34 / L51-2)	106.4/85.0
Cargo volume, including under floor storage (ISO V214-1) (litres)	1126
Cargo length from the first seatback to the tailgate measured at: - the height of the floor covering (L202-1)	174.9
Cargo length from the second seatback to the tailgate measured at: - the height of the floor covering (L202-2)	97.8
Cargo height (rear wheel center and car center line) (H201)	67.5
Rear opening height (car center line) (H202)	59.2
Width of luggage compartment between wheelhouses (W202)	109.0



CHASSIS

Suspension	front	McPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
	rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering		Power Assisted Rack and Pinion Steering
Turning circle, curb to curb		11.3 m/11.9 m (Tire 205/235)
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/316 mm/336 mm (Rim size; 16", 16.5", 17.5")
	rear	302 mm

ENGINES

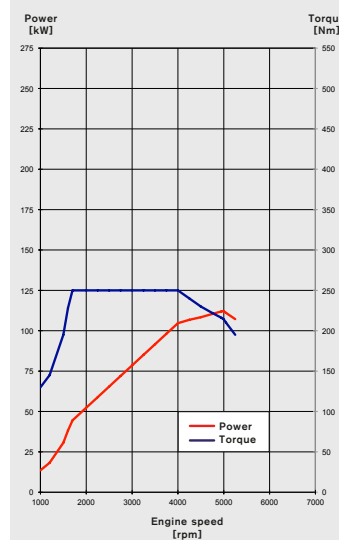
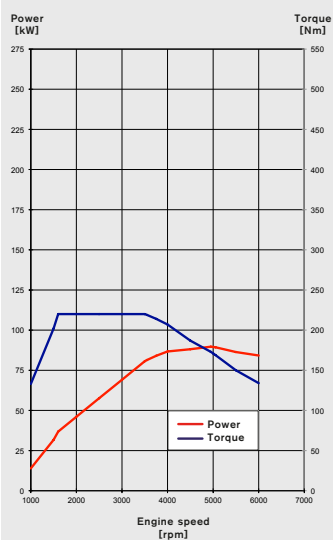
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm
Max torque, Nm/rpm

T2 (B4154T5)
In-line 4-cyl.turbo petrol
Transverse, front wheel drive
1498
82.0
70.9
Aluminium
Aluminium
10.5:1
4
2
Integrated fuel (SFI)/ignition control systems
1 - 3 - 4 - 2
850 ± 100
91-98 RON
90 (122)/5000
220/1600-3500

T3 (B4154T4)
In-line 4-cyl.turbo petrol
Transverse, front wheel drive
1498
82.0
70.9
Aluminium
Aluminium
10.5:1
4
2
Integrated fuel (SFI)/ignition control systems
1 - 3 - 4 - 2
850 ± 100
91-98 RON
112 (152)/5000
250/1700-4000

T3 (B4204T37)
In-line 4-cyl.turbo petrol
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
11.3:1
4
2
Integrated fuel (SFI)/ignition control systems
1 - 3 - 4 - 2
850 ± 100
91-98 RON
112 (152)/5000
250/1300-4000

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

-	
AW TF-71SC	3.365
Automatic	
10.3	
190	
5.9	
138	

-	
AW TF-71SC	3.365
Automatic	
8.7	
205	
5.9	
138	

M66H	4.267
-	
Manual	
8.7	
205	
5.8	
135	

TRANSMISSIONS

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

RATIO	AW TG-81SC	AW TF-80SD	M66F	M66H
First	5.250	4.148	3.583	3.385
Second	3.029	2.370	2.050	1.952
Third	1.950	1.556	1.267	1.267
Fourth	1.457	1.155	0.838	0.868
Fifth	1.221	0.859	0.617	0.652
Sixth	1.000	0.686	0.510	0.540
Seventh	0.809	-	-	-
Eighth	0.673	-	-	-
Reverse	4.015	3.394	2.833	2.692

ENGINES

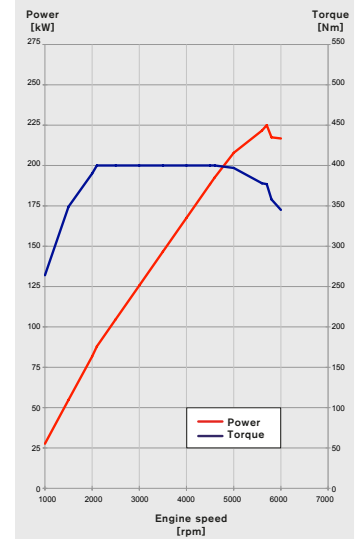
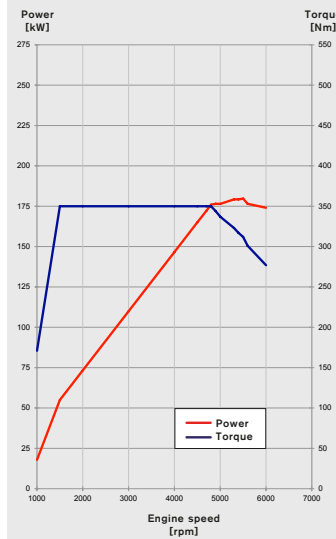
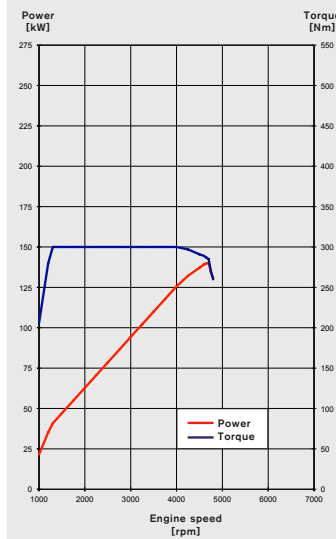
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm
Max torque, Nm/rpm

T4 (B4204T19)
In-line 4-cyl.turbo petrol
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
11.3:1
4
2
Integrated fuel (SFI)/ignition control systems
1 - 3 - 4 - 2
850 ± 100
91-98 RON
140 (190)/4700
300/1300-4000

T5 (B4204T11)
In-line 4-cyl.turbo petrol
Transverse, front wheel drive
1969
82.0
93.2
Aluminium
Aluminium
10.8:1
4
2
Integrated fuel (SFI)/ignition control systems
1 - 3 - 4 - 2
850 ± 100
91-98 RON
180 (245)/5500
350/1500-4800

T6 (B4204T9)
In-line 4-cyl.turbo petrol
Transverse, front & all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
10.3:1
4
2
Integrated fuel (SFI)/ignition control systems
1 - 3 - 4 - 2
850 ± 100
91-98 RON
225 (306)/5700
400/2100-4800

POWER AND TORQUE →



Manual gearbox/final drive	M66H	4.267
Automatic gearbox/final drive	AW TF-71 SC	3.365

-	-	-
AW TG-81 SC	2.774	-

-	-	-
AW TG-81SC	2.774 / 3.075	-

PERFORMANCE

Gearbox	Manual	Automatic
Acceleration, 0-100 km/h (sec)	7.3	7.3
Top speed, km/h	225	225
Fuel consumption l/100 km (Combined)	5.8	5.8
CO ₂ g/km	135	136

Automatic	6.4	-
230	6.4	-
149	-	-

Automatic (FWD)	6.0	Automatic (AWD)	6.0
230	6.7	250	7.0
157	-	163	-

CHASSIS

Suspension	front	McPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
	rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering		Power Assisted Rack and Pinion Steering
Turning circle, curb to curb		11.3 m/11.9 (205/235)
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/316 mm/336 mm (Rim size; 16",16.5",17.5")
	rear	302 mm

ENGINES

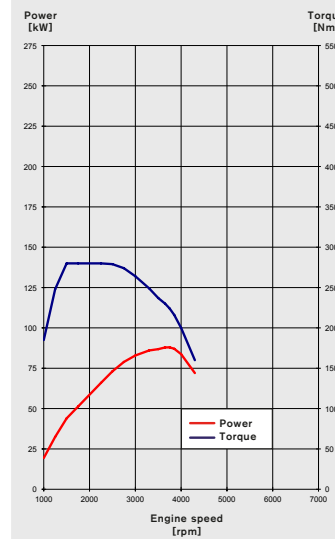
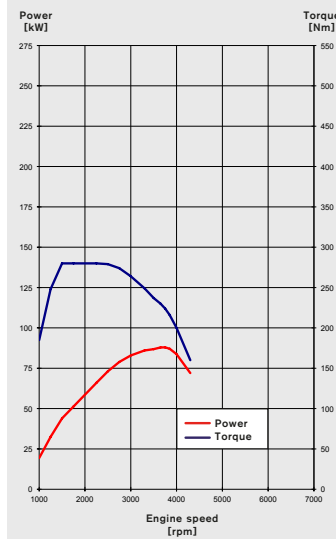
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm
Max torque, Nm/rpm

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

D2 (D4204T20)
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

POWER AND TORQUE →



Manual gearbox/final drive
Automatic gearbox/final drive

M66F	4.000
-	-

-	-
AW TF-71SC	3.365

M66F	4.000
AW TF-71SC	3.365

PERFORMANCE

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

Manual
11.5
195
3.8 (3.7*)
101 (98*)

Automatic
11.7
195
4.2 (4.2*)
111 (109*)

Manual	Automatic
9.1	9.1
210	210
4.0 (3.9*)	4.2 (4.2*)
105 (102*)	111 (109*)

* Restricted offer

* Restricted offer

* Restricted offer

ENGINES

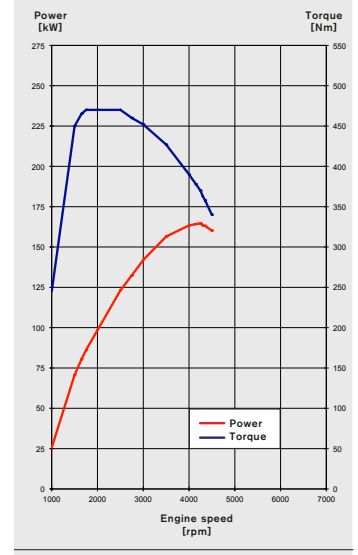
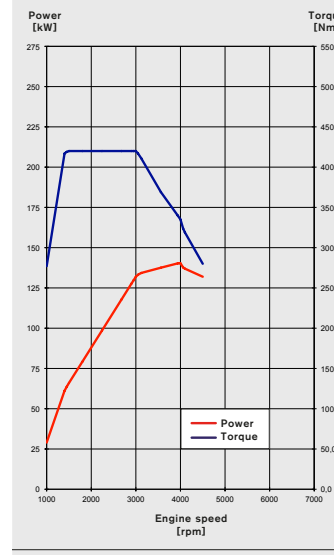
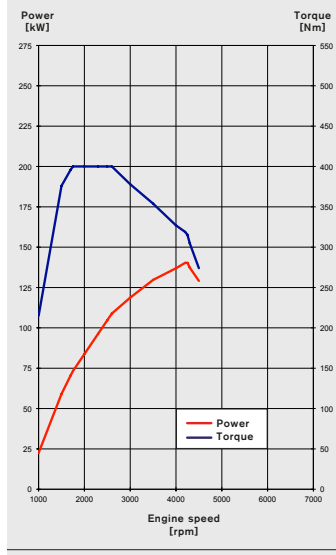
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm
Max torque, Nm/rpm

D4 (D4204T14)
In-line 4-cyl.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

D4 (D5244T21)
In-line 5-cyl.turbo diesel
Transverse, all wheel drive
2400
81.0
93.2
Aluminium
Aluminium
16.5:1
4
2
Electronically controlled common rail direct injection
1 - 2 - 4 - 5 - 3
700
Cetane Number: Min 48
140 (190)/4000
420/1500-3000

D5 (D4204T11)
In-line 4-cyl.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
165 (225)/4250
470/1750-2500

POWER AND TORQUE →



Manual gearbox/final drive
Automatic gearbox/final drive

M66F	3.773
AW TG-81SC	2.666

-	-
AW TF-80SD	3.075

-	-
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
7.7	7.7
225	225
4.0 (3.8*)	4.4 (4.3*)
104 (101*)	116 (112*)

Automatic
8.9
225
5.5
146

Automatic
6.5
230
4.8
125

* Restricted offer

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (CM)

Length	463.5
Width (mirrors folded)	189.9
Width (incl mirrors, outer edge)	209.7
Height (including shark fin)	148.4
Wheelbase	277.6
Track, front, (16"/17")	158.8/157.8
Track, rear, (16"/17")	158.5/157.5
Ground clearance, curb	13.6

WEIGHTS/MISCELLANEOUS

Curb weight, kg (min-max, depending on setup)	1666-1804
Fuel tank, l (min-max, depending on equipment)	67.5
Max. trailer weight, kg	1500-1800
Max roof load, kg	75
Drag coefficient, Cd	0.29

INTERIOR MEASUREMENTS (CM)

Headroom without sunroof (front/rear) (H61-1/H61-2)	97.3/95.4
Headroom with sunroof (front/rear) (H61-1SR/H61-2SR)	95.5/95.4
Headroom maximum, without sunroof (front) (H62-1)	99.9
Passenger compartment width	
at shoulder height (front/rear) (W3-1/W3-2)	144.7/140.2
Leg room (front/rear) (L34/L51-1)	106.4/85.0
Cargo volume, including under floor storage (V211-2) (litres)	430
Cargo length from the first seatback to the tailgate measured at:	
- the height of the floor covering (L202-1)	174.9
Cargo length from the second seatback to the tailgate measured at:	
- the height of the floor covering (L202-2)	97.8
Cargo height (rear wheel center and car center line) (H201)	74.2
Rear opening height (car center line) (H202)	65.8
Width of luggage compartment between wheelhouses (W202)	109.0

