

Volvo V60 Plug-In Hybrid

CONT'D VOLVO V60 PLUG-IN HYBRID →

ENGINES

	D6 AWD (D82PHEV)
Type	In-line 5-cyl.turbo diesel
Configuration	Transverse, front wheel drive
Displacement, cm ³	2400
Bore (mm)	81.0
Stroke (mm)	93.15
Engine cylinder block material	Aluminium
Cylinderhead material	Aluminium
Compression ratio	16.5:1
Valves, no/cylinder	4
Camshafts	2
Engine management system	Electronically controlled common rail direct injection
Ignition sequence	1 - 2 - 4 - 5 - 3
Engine idling speed, rpm	800
Fuel, rec. octane	Cetane Number: Min 48
Max output, kW (hp)/rpm	158 (215)/4000
Max torque, Nm/rpm	440/1500–3000

POWER AND TORQUE →

NOT AVAILABLE

Battery type	Lithium-ion battery
Battery content, useable energy (kwh)	8
Battery content, total amount of energy (kwh)	11.2
Battery charging time*, at 16A/10A/6A fuse (hours)	3.5/4.5/7.5
Electrical motor max power (kW)	Peak; 50, Cont.; 20
Electrical motor max torque (Nm)	Peak; 200, Cont.; 105
Driveline max power (kW)	50+158**
Driveline max torque (Nm)	200+440**
Battery placement	Over rear axel, outside crash zone

*) Time pending on e.g. ambient temp

**) In "Hybrid", "Power"- and "EL-AWD"-mode

Automatic gearbox/final drive	AW TF-80SD/3.075
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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

Gearbox	Hybrid-mode	Pure-mode	Power-mode	EL-AWD-Mode
Acceleration, 0–100 km/h (sec)	7.9	–	6.1	–
Top speed, km/h	125*/230	125	230	150
Range (km)	900	50**	–	–
Fuel consumption l/100 km (Combined)	1.8	0.0	–	–
CO ₂ g/km	48	–	–	–

*) Electrical motor only

**) Up to

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (CM)

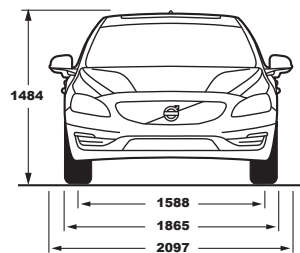
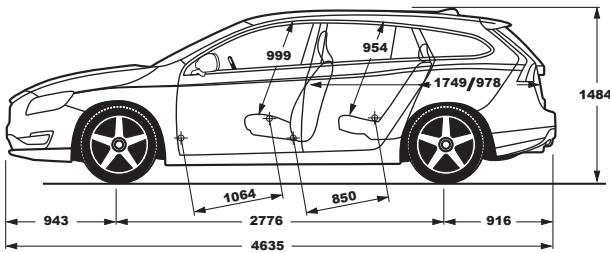
Length	463.5
Width (without mirrors)	186.5
Height (including shark fin)	148.4
Wheelbase	277.6
Track, front, (16"/17")	158.8 / 157.8
Track, rear, (16"/17")	158.5 / 157.5
Ground clearance, curb	13.7

WEIGHTS/MISCELLANEOUS

Curb weight, kg (min-max, depending on setup)	1961-2066
Fuel tank, l (min-max, depending on equipment)	45.0
Max. trailer weight, kg	1800
Max roof load, kg	75
Drag coefficient, Cd	0.29

INTERIOR MEASUREMENTS (CM)

Headroom maximum, without sunroof (front)	99.9
Headroom without sunroof (front/rear)	97.3/95.4
Headroom with sunroof (front/rear)	95.5/95.4
Passenger compartment width at shoulder height (front/rear)	144.7/140.2
Leg room (front/rear)	106.4/85.0
Cargo volume, including under floor storage (ISO V211) (300+5)	305
Cargo length from the first seatback to the tailgate measured at:	
- the height of the floor covering	174.9
Cargo length from the second seatback to the tailgate measured at:	
- the height of the floor covering	97.8
Cargo height (rear wheel center and car center line)	67.5
Rear opening height (car center line)	65.8
Width of luggage compartment between wheelhouses	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, 205/235"	11.3 m/11.9 m	
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
	rear	302 mm