

2013 Volvo V60 Plug-In Hybrid Specifications

Diesel D6 AWD	
ENGINE	
ENGINES	D82PHEV
TYPE	In-line 5 cyl. Turbodiesel
CONFIGURATION	FWD
DISPLACEMENT	2400 cm³
BORE	81,0 mm
STROKE	93,15 mm
COMPRESSION RATIO	16,5:1
VALVES, NO/CYLINDER	4 ea.
DOHC / SOHC	DOHC
ENGINE MANAGEMENT SYSTEM	Common rail electronic fuelling
IGNITION SEQUENCE	1 - 2 - 4 - 5 - 3
ENGINE IDLING SPEED	800 rpm
FUEL, REC. OCTANE	Diesel. Cetane Number min 48
MAX ENGINE SPEED	5200 rpm
MAX OUTPUT	158 kW (215 hp) / 4000 rpm
MAX TORQUE	440 / 25 - 50 Nm / rps
BATTERY TYPE	Lithium-ion battery
BATTERY CONTENT, USEABLE ENERGY (KWH)	8 kwh
BATTERY CONTENT, TOTAL AMOUNT OF ENERGY (KWH)	11,2 kwh
BATTERY CHARGING TIME***, AT 16A / 10A / 6A FUSE (HOURS)	3,5 / 4,5 / 7,5
BATTERY PLACEMENT	Over rear axel, outside crash zone
ELECTRICAL MOTOR MAX POWER (KW)	Cont.; 20 kw, Peak; 50 kw
ELECTRICAL MOTOR MAX TORQUE (NM)	Cont.; 105 Nm, Peak; 200 Nm
DRIVELINE MAX POWER (KW)	50 Kw + 158 Kw**
DRIVELINE MAX TORQUE (NM)	200 Nm + 440 Nm**

TRANSMISSIONS	
TRANSMISSIONS (AWD)	AW TF-80SC
FIRST GEAR (AWD)	4,148
SECOND GEAR (AWD)	2,370
THIRD GEAR (AWD)	1,556
FOURTH GEAR (AWD)	1,155
FIFTH GEAR (AWD)	0,859
SIXTH GEAR (AWD)	0,686
REVERSE GEAR (AWD)	3,394
AUTOMATIC GEARBOX / FINAL DRIVE (AWD)	3,200

PERFORMANCE	
ACCELERATION, 0-100 KM/H (SEC)	7,9 sec (Hybrid-mode) / - (Pure-mode) / 6,1 sec (Power-mode) / - (EL-AWD-mode)
TOP SPEED, KM/H	125*/230 (Hybrid-mode) / 125 km/h (Pure-mode) / 230 km/h (Power-mode) / 150 km/h (EL-AWD-mode)
FUEL CONSUMPTION (EC 199/100, COMBINED)	1,8 (Hybrid-mode) / 0 (Pure-mode) / - (Power-mode) / - (EL-AWD-mode)
CO²	48 g/km (Hybrid-mode) / 0 g/km (Pure-mode) / - (Power-mode) / - (EL-AWD-mode)
RANGE (KM)	900 km (Hybrid-mode) / 50 km ** (Pure-mode) / - (Power-mode) / - (EL-AWD-mode)

MEASUREMENTS AND VOLUMES	
LENGTH	4628 mm
WIDTH INCLUDING MIRRORS, FOLDED	1899 mm
WIDTH INCLUDING MIRRORS, OUTER EDGE	2097 mm
HEIGHT (INCLUDING SHARK FEN)	1484 mm
WHEELBASE (L110)	2776 mm
TRACK, FRONT (16"/17")	1588 mm / 1578 mm
TRACK, REAR (16"/17")	1585 mm / 1575 mm
GROUND CLEARANCE, AWD	137 mm

WEIGHT/MISCELLANEOUS	
SERVING WEIGHT (DEPENDING ON TYPE OF ENGINE, GEARBOX ETC.)	1955 kg / 2052 kg
TOTAL WEIGHT (DEPENDING ON TYPE OF ENGINE, GEARBOX ETC.)	2505 kg
MAX TRAILER WEIGHT, UNBRAKED (MAX)	750 kg
MAX TRAILER WEIGHT, BRAKED (MAX)	1800 kg
FUEL TANK, DIESEL	45,0 l
AERODYNAMICS, (CD)	0,29
AERODYNAMICS, (FRONTAL AREA)	2,28 m²
MAX ROOF LOAD	75 kg

INTERIOR MEASUREMENTS	
HEADROOM WITH SUNROOF (FRONT/REAR)	955 mm / 954 mm
HEADROOM WITHOUT SUNROOF MAXIMUM (FRONT/REAR)	999 mm / 954 mm
PASSENGER COMPARTMENT WIDTH AT SHOULDER HEIGHT (FRONT/REAR)	1447 mm / 1402 mm
LEG ROOM (FRONT/REAR)	1064 mm / 850 mm
HIP ROOM (FRONT/REAR)	1395 mm / 1349 mm
CARGO LENGTH FROM THE SECOND SEATBACK TO THE TAILGATE MEASURED AT THE TOP OF THE SECOND SEATBACK (SAE L204-2)	748 mm
CARGO LENGTH FROM THE SECOND SEATBACK TO THE TAILGATE MEASURED AT THE HEIGHT OF THE FLOOR COVERING (SAE L202-2)	978 mm
CARGO LENGTH FROM THE FIRST SEATBACK TO THE TAILGATE MEASURED AT THE TOP OF THE FIRST SEATBACK (SAE L204-1)	1600 mm
CARGO LENGTH FROM THE FIRST SEATBACK TO THE TAILGATE MEASURED AT THE HEIGHT OF THE FLOOR COVERING (SAE L202-1)	1749 mm
REAR OPENING HEIGHT	658 mm
REAR OPENING HEIGHT (CAR CENTER LINE) (SAE H201)	675 mm
LUGGAGE FLOOR, HEIGHT TO GROUND	646 mm
WIDTH OF LUGGAGE COMPARTMENT BETWEEN WHEELHOUSES	1090 mm
REAR OPENING WIDTH UPPER, MIN. (GCIE W205)	923 mm
REAR OPENING WIDTH MAXIMUM (GCIE W206)	1095 mm
REAR OPENING WIDTH AT FLOOR, MIN. (GCIE W207)	1082 mm

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STEERING (ANGLE/ANGLE)	15
TURNING CIRCLE (CURB TO CURB)	11,3 / 11,9
TURNING CIRCLE (WALL TO WALL)	11,5 / 12,4
URNS OF STEERING WHEEL END TO END	2,71 / 2,58
BRAKE DISC DIAMETER (FRONT)	300 mm / n.a. / 336 mm
BRAKE DISC DIAMETER (REAR)	302 mm
BRAKE DISC THICKNESS (FRONT)	28 mm
BRAKE DISC THICKNESS (REAR) (SOLID EPD/VENTILATED EPD)	11 mm / 22 mm
BRAKING DISTANCE 100-0 KM/H	37 m

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

2 *) Electrical motor only

3 **) Up to