



Technical data

Frame

High strength tubular steel structure with carbon fibre components.

Bodywork

In carbon fibre, except roof and door external panels (steel)

Steering

Type	Mechanical (rack and pinion) power-assisted
Right-hand turning circle	12.55 m (41.17 ft)

Wheels and tyres

Front	245/35 ZR 18
Rear	335/30 ZR 18

Engine

Type	12 cylinders at 60°
Bore and stroke	88 mm x 89 mm (3.46 in x 3.50 in)
Displacement	6496 cc (396.41 in ³)
Compression ratio	(11 ± 0.2):1
Maximum power	631 hp, (640 ps, 471 kW) at 8000 rpm
Maximum torque	660 Nm (487 lb-ft) at 6000 rpm
Engine position in vehicle	Longitudinal central-rear
Cylinder heads and engine block	Aluminium
Intake system	Variable geometry with 3 operating modes

Timing

4 valves per cylinder, 4 overhead camshafts	
Timing gear transmission	2 chains
Continuous timing variator (int. and ex.)	Electronically controlled

Ignition system

Static type ignition system with individual coils (one for each spark plug).

Firing sequence 1-7-4-10-2-8-6-12-3-9-5-11

Fuel system/injection

Lamborghini LIE electronic engine control unit, multipoint, sequential timed, DRIVE BY WIRE

Lubrication system

Type	Dry sump
Recovery pumps	2 gear pumps
Delivery pump (high pressure)	1 gear pump



Cooling system

Type	Liquid cooled, with pressurized circuit
------	---

Transmission

Type of transmission	Permanent all-wheel drive with Viscous Traction system
Gearbox	6-speed mechanical gearbox
Clutch	Dry single disc
Clutch disc diameter	272 mm (10.7 in)

Transmission ratios

Gearbox:	
I st	1:3.091
II nd	1:2.105
III rd	1:1.565
IV th	1:1.241
V th	1:1.065
VI th	1:0.939
Reverse	1:2.692

Brakes

4 self-ventilated rotors with pedal control, hydraulic transmission with dual independent circuits, one for each axle with vacuum servo. ABS antilock device + DRP function.	
<u>Steel brake lines</u>	
Front rotor	Ø 380 x 34 mm (14.96 in x 1.34 in)
Front calliper cylinders	N. 8 (32-28 mm/32-28 mm) (1.26 in-1.10 in/1.26 in-1.10 in)
Rear rotor	Ø 355 x 32 mm (13.98 in x 1.26 in)
Rear calliper cylinders	N. 4 (40-44 mm) (1.57 in-1.73 in)
<u>Ceramic rotors system (Optional)</u>	
Front rotor	Ø 380 x 38 mm (Ø 14.96 in x 1.5 in)
Front calliper cylinders	N. 6 (32-36-38 mm) (1.26 in-1.42 in-1.5in)
Rear rotor	Ø 380 x 38 mm (Ø 14.96 in x 1.5 in)
Rear calliper cylinders	N. 6 (32-36-38 mm) (1.26 in-1.42 in-1.5in)



Suspension

4-wheel independent articulated quadrilateral system. Hydraulic shock absorbers and coaxial coil springs. Suspension with dual front and rear struts, antiroll, antidive and antisquat bar.

Performance data

Top speed	340 km/h (211.3 mph)
Acceleration 0-100 km/h (0-62 mph)	3.4 s (before: 3.8 s)

Dimensions

Wheelbase	2665 mm (104.92 in)
Total length	4610 mm (181.50 in)
Total width	2058 mm (81.02 in)
Total height	1135 mm (44.69 in)
Dry weight (no fuel)	1665 kg (3670.7 lb)
Front trackwidth	1635 mm (64.37 in)
Rear trackwidth	1695 mm (66.73 in)
Front overhang	1035 mm (40.75 in)
Rear overhang	910 mm (35.83 in)
Maximum overall width with external rear-view mirrors	2240 mm (88.19 in)

Liquid capacities (litres)

Fuel tank	100 litres (26.4 gal)
Engine oil	12 litres (3.17 gal)
Gearbox oil	3.5 litres (0.92 gal)
Front differential oil	1 litre (0.26 gal)
Rear differential oil	2.5 litres (0.66 gal)
Cooling circuit	15 litres (3.96 gal)

Consumption (according to DIR 1999/100/CE)

Urban	32,3 l/100km
Extra-urban	15,0 l/100 km
Combined	21,3 l/100 km
CO2 emissions	495 g/km

(following EPA regulation)	Manual	City	9 mpg
----------------------------	--------	------	-------



		Highway	14 mpg
		Combined	11 mpg
	e.gear (Coupé and Roadster)	City	10 mpg
		Highway	16 mpg
		Combined	12 mpg