

Technical data

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Engine

- Mid engine, longitudinal layout
- L 535 12 cylinder V (60°)
- Total displacement 6,192 cm³, bore 87 mm, stroke 86.6 mm
- Compression ratio 10.7 ± 0.2:1
- Maximum power 426 kW (580 hp) at 7,500 rpm.
- Maximum torque 650 Nm at 5,400 rpm.
- Pressurized circuit fluid cooling system with double cooler and electronically controlled air intakes.
- Variable geometry intake-air system electronically controlled.
- Timing system: 4 camshafts, 4 valves per cylinder with electronically controlled variable timing during inlet and outlet phases.
- Dry sump lubrication.

Engine electronic control

- Static ignition with single coils (one for each spark plug).
- Firing sequence: 1-7-4-10-2-8-6-12-3-9-5-11 (Cylinder No.1 is the first one on the left looking at the engine from the flywheel side).
- LIE Lamborghini type electronic sequential multi-point injection system.
- Three-way catalytic converter and oxygen sensor emission control system.
- Electronically controlled variable timing system during inlet and outlet phases.
- Air inlet system with 4 "drive-by-wire" type electronic throttle bodies.
- Traction control system electronically controlled.

Clutch

Dry single plate.
Self-adjusting hydraulic clutch release.

Drive

Permanent all-wheel drive with viscous traction system.

Gearbox

6-speed manual gear shift

Standard gear ratio:

1st gear	1 : 2.941
2nd gear	1 : 2.056
3rd gear	1 : 1.520
4th gear	1 : 1.179
5th gear	1 : 1.030
6th gear	1 : 0.914

Close gear ratio:

1st gear	1 : 2.941
2nd gear	1 : 2.056
3rd gear	1 : 1.520
4th gear	1 : 1.259
5th gear	1 : 1.061
6th gear	1 : 0.943



Note

The ratios for the E-Gear system are the same as those for the manual gearshift.

Reverse 1 : 2.529

Gear ratio between transmission shaft and rear differential input shaft 1 : 1.242

Differential

Rear differential 1 : 2.529
Front differential 1 : 2.933

Front suspension

A-arm independent wheels, adjustable hydraulic shock absorber and coaxial spring.

Automatic hydraulic control for shock absorber calibration (FSD).

Electrohydraulic lifting system.

Rear suspension

A-arm independent wheels with two adjustable hydraulic shock absorbers and coaxial spring.

Automatic hydraulic control for shock absorber calibration (FSD).

Steering system

Collapsible steering column.

Rack with hydraulic power steering.

Steering wheel turns

lock-to-lock	3 ± 1/2
Minimum turning circle diameter	12.55 m

Frame and body

High-tensile-steel tubular structure with carbon fiber structural parts.

Bodywork in carbon fibre excluding doors (in steel).

Electronically controlled rear spoiler.

Variable geometry radiator air intakes, electronically controlled.

Tank capacity	100 l
Reserve	about 20 l

Brakes

Ventilated disc brakes on all four wheels; twin independent hydraulic system with power booster; ABS and DRP system.

Disc diameter: front/rear	380/355 mm
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Mechanically-operated disc parking brake on rear wheels.

Tires and wheels

Radial ply Asymmetrical tubeless	PIRELLI P ZERO "ROSSO"
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Size: Front Rear	245/35 ZR 18 335/30 ZR 18
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Cold tire inflation pressure: Regular use: Front Rear	2.6 bar 2.5 bar
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Permanent use at speed >290 km/h:

Front	3.2 bar
Rear	3.2 bar

Aluminum alloy rims:

Front	8.5" x 18"
Rear	13" x 18"

Size and weight

Wheelbase	2,665 mm (a)
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Front track	1,635 mm (b)
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Rear track	1,695 mm (c)
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Overall length	4,580 mm (d)
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Width:

- with opened external rear view mirrors	2,240 mm (e)
- with closed external rear view mirrors	2,045 mm (f)

Overall height (without loads)	1,132 mm (with soft top) (f) 1,068 mm (without soft top)
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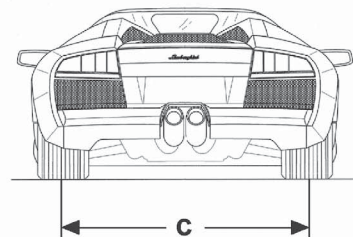
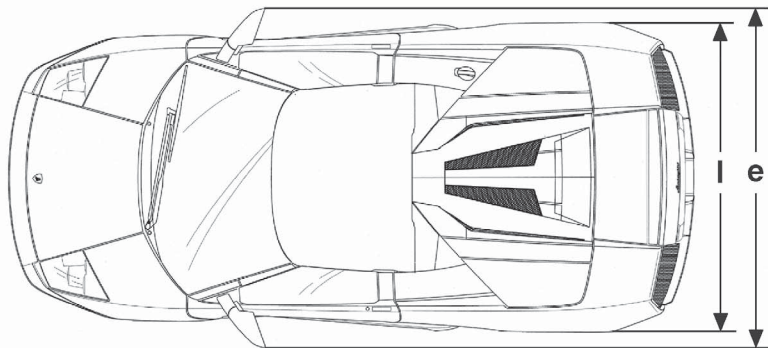
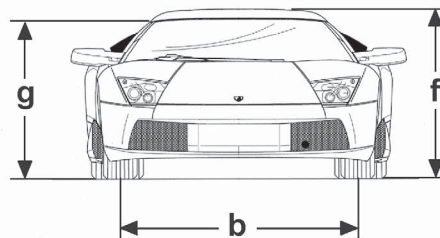
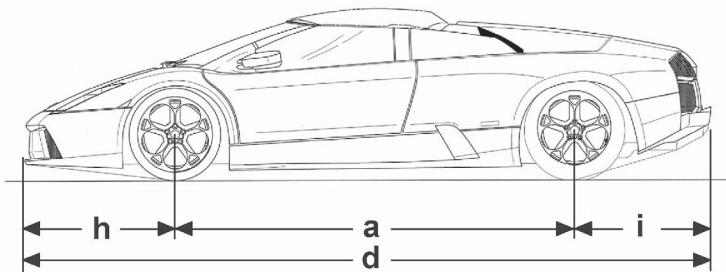
Clearance (without loads)	96 mm (g)
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Front overhang	1,005 mm (h)
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Rear overhang	910 mm (i)
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Dry weight	1,665 kg
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Number of seats	2
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Performances

Top speed over 320 km/h
(according to the aerodynamic configuration)

Acceleration
(0 - 100 km/h) 3.8 sec.

Consumption

according to CEE 1999/100 standards

City	32.6 l/100 km
Outside city	15.1 l/100 km
Combined	21.5 l/100 km

Vehicle identification number

Chassis number position
