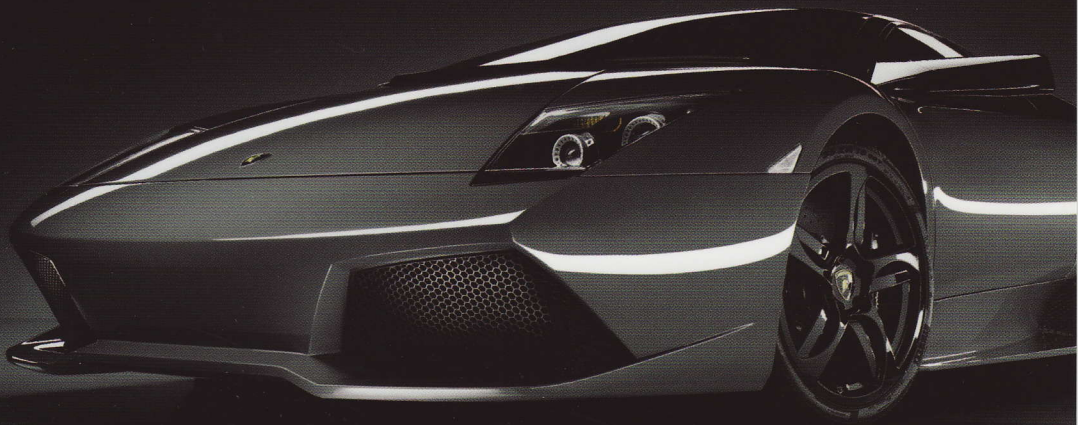




LAMBORGHINI MURCIÉLAGO LP 640



TECHNICAL SPECIFICATIONS

CHASSIS AND BODY

Frame	Tubular frame made of high-strength steel alloy with carbon fibre structural parts
Body	Carbon fibre with doors and roof in steel
Suspension	Independent front and rear double wishbones, anti-roll bars; anti-dive and anti-squat
Brakes	Power vacuum, aluminium alloy callipers: 8-piston front callipers and 4-piston rear callipers
Air flaps	Opening: 1. Water temperature > 95 °C and speed < 180 km/h; 2. 65 °C < water temperature < 95 °C; 3. Outside temperature > 30 °C and speed < 180 km/h
Ventilated discs (front - rear)	Ø 380 mm x 34 mm - Ø 355 mm x 32 mm
Steering	Power-assisted rack and pinion
Tyres (front - rear)	Pirelli P ZERO 245/35 ZR 18 - 335/30 ZR 18
Wheels (front - rear)	Aluminium alloy, 8.5" x Ø 18" - 13" x Ø 18"
Kerb-to-kerb turning circle	12.55 m
Mirrors	External mirrors with electrical closing and heating system, internal mirror with anti-blinding system
Rear spoiler	Electronically controlled; activated at 130 km/h (step 1) and 220 km/h (step 2)
Airbags	Front "dual-stage" driver and passenger airbags

ENGINE

Type	12-cylinder V 60°
Displacement	6496 cc
Bore and stroke	Ø 88 mm x 89 mm
Intake system	Variable geometry, three modes
Valve gear	Chain-driven, intake and exhaust continuously variable valve timing, electronically controlled
Compression ratio	11:1
Maximum power	471 kW (640 ps/631 hp) at 8000 rpm
Maximum torque	660 Nm at 6000 rpm
Emission control system	Catalytic converters with lambda sensors
Cooling system	Two water radiators + oil cooler, electronically controlled variable geometry air inlet system (Lamborghini VACS)
Engine management system	Lamborghini L.I.E., with individual static ignition, multipoint sequential fuel injection, drive-by-wire system, traction control system, OBD system

DRIVETRAIN

Type of transmission	Permanent 4-wheel drive (viscous traction system) and electronic traction control system
Gearbox	Manual 6-speed + reverse; robotized gear shifting system (e-gear optional)
Clutch	Dry single plate Ø 272 mm with reduced pedal load
Gear ratios	I = 1:3.091; II = 1:2.105; III = 1:1.565; IV = 1:1.241; V = 1:1.065; VI = 1:0.939; reverse gear = 1:2.692

PERFORMANCE

Top speed	Over 340 km/h (211 mph) depending on aerodynamic configuration
Acceleration (0-100 km/h [0-62 mph])	3.4 sec.

DIMENSIONS

Wheelbase	2665 mm
Overall length	4610 mm
Overall width	2058 mm
Overall height	1135 mm
Track (front - rear)	1635 mm - 1695 mm
Weight ("dry" - no fuel)	1665 kg
Weight distribution (front - rear)	Front 42% - rear 58%

TANK CAPACITIES

Fuel tank	100 litres
Engine oil	12 litres
Engine coolant	15 litres

CONSUMPTION*

Manual and e-gear (6-speed)	
Urban cycle	32.3 l/100 km
Extra urban cycle	15.0 l/100 km
Combined	21.3 l/100 km
CO ₂ emission	495 g/km

CONSUMPTION USA**

Manual (6-speed)		e-gear (6-speed)	
Urban cycle	9 mpg	Urban cycle	10 mpg
Extra urban cycle	14 mpg	Extra urban cycle	16 mpg
Combined	11 mpg	Combined	12 mpg

* In accordance with Dir. EC/1999/100

** In accordance with US EPA guidelines





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