



Lotus Cars Australia

Lotus Elise S Specifications, Technical Details and Options

Technical Specifications	
Engine	Mid-mounted, transverse, 1794 cm ³ , 1ZZ-FE engine, aluminium lightweight and compact construction, 4 cylinders in line, water cooled. Chain driven Double Over Head Camshafts (DOHC) exploiting a Variable Valve Timing (VVT-i) system, 4 valves per cylinder, rocker arms with low friction followers. Multi-point sequential fuel injection system, electronic ignition and electronic throttle control system.
Engine management	Lotus T4e engine control unit (ECU)
Max Power	100 kW (134 hp, 136 PS) @ 6200 rpm
Max Torque	172 Nm (127 lbft) @ 4200 rpm
Power to weight ratio	115.6 kW/t (155 hp/t)
Specific power output	55.7 kW/litre (74.7 hp/litre)
Emissions control	Three-way catalytic converter. Euro IV emissions compliant with full On-Board Diagnostics (OBD).
Transmission	C56 Gearbox, aluminium lightweight construction, 5-speed, constant mesh helical gears and open differential.
Suspension	Fully independent sport suspension utilising unequal length wishbones, Bilstein mono-tube dampers with Eibach coaxial coil spring at each corner and front anti-roll bar.
Chassis	Lotus designed lightweight structure of epoxy bonded, aluminium alloy extrusions with glass-fibre composite front section, extruded aluminium door beams, integral steel seat-belt support structure and lightweight galvanised steel rear subframe.
Steering	Solidly mounted mechanical rack and pinion steering box with 2.8 turns lock-to-lock.
Brakes	Servo-assisted, track tuned 4-channel Anti-lock Braking System (ABS) with Lotus/AP-Racing twin-piston fixed aluminium alloy front brake callipers, Brembo single-piston sliding rear callipers and 282 mm diameter, 26 mm thick front and rear cast-iron ventilated & cross-drilled discs.
Wheels	6-spoke lightweight cast alloy wheels in Hi-power silver (5.5 x 16" front and 7.5 x 17" rear)
Tyres - Front	Yokohama Advan Neova AD07 tyre LTS 175/50 R16
Tyres - Rear	Yokohama Advan Neova AD07 tyre LTS 225/45 R17
Gear ratios - First	3.166 :1
Second	1.904 :1
Third	1.392 :1
Fourth	1.031 :1
Fifth	0.815 :1
Reverse	3.250 :1
Final drive	4.312 :1

Performance Figures	
0-60 mph	5.8 seconds
0-100 km/h	6.1 seconds
0-160 km/h (≈ 0-100 mph)	17.4 seconds
Maximum speed	205 km/h (127 mph)
Fuel consumption - urban	11.3 litre/100 km
Fuel consumption - extraurban	6.5 litre/100 km
Fuel consumption - combined	8.3 litre/100 km (34.0 mpg)
CO ₂ emissions	196 g/km
Weight distribution	38% Front – 62% Rear
Fuel tank capacity	43.5 litre (9.6 gal)
Luggage capacity	112 litre - 50 kg

Dimensions	
Wheelbase	2300 mm
Track – front	1457 mm
Track – rear	1507 mm
Overall length	3785 mm
Overall width (door mirrors excluded)	1719 mm
Overall width (door mirrors included)	1850 mm
Overall height – midladen (as per unladen with 2x 75 kg occupants)	1117 mm
Overhang – front	783 mm
Overhang – rear	702 mm
Ground clearance – midladen (as per unladen with 2x 75 kg occupants)	130 mm
Vehicle mass – unladen (running order, full tank of fuel, no occupants, no luggage)	860 kg (no options)

Exterior	
Paint:	
Standard	Ardent Red, British Racing Green (Saffron Yellow, mainland EU only)
Metallic (Option)	Arctic Silver, Storm Titanium, Magnetic Blue, Nightfall Blue, Canyon Red, Polar Blue, Racing Green (metallic), Aubergine Purple, Starlight Black, Solar Yellow
Lifestyle (Option)	Chrome Orange, Aspen White, Laser Blue, Autumn Gold, Graphite Grey, Phantom Black, Krypton Green, Chilli Red
Custom (Option)	Special colours and paint schemes available on application
Paint chip protection	Paint chip film applied to side rear sill and air intake.

Interior	
ProBax design black cloth seats with composite structure	
Twin airbags - Driver and Passenger	
Air Conditioning	
Engine Push Start Button	
Cloth ProBax seats (Black)	
Plain leather gear-lever gaiter (Black)	
Plain/Perforated leather sport steering wheel (Black)	
Carpet mats (Black)	
Central door locking	
Electric Windows	
Polished aluminium heater control knobs	
Polished aluminium handbrake sleeve	
Polished aluminium gear-knob	
Lightweight aluminium passenger foot-rest	
Acrylic capped door panels (Silver) with cloth trimmed door insert panels (Black)	
Alpine radio CD/RW player with 4 speakers	
Soft Top (Black)	
Immobiliser and remote activated alarm	

Options	
Touring Plus pack (\$8000)	Full leather or suede effect interior (various colour options) Full carpet set (Black) Embroidered carpets mats with Elise logo (Black) Auxiliary front driving lamps Noise insulation panelling Noise insulated/thermal Soft Top Up-rated Alpine DAB/CD/ MP3 head-unit with iPod connection Interior stowage net Trinket Tray divider and aluminium retractable cup holder Perforated leather handbrake lever gaiter (Black) Plain leather gear knob (Black)
Standalone Cost Options	Lotus switchable Traction Control System (TCS) - \$1600 Hard Top (Body Coloured) - \$4500 Black wheels and rear diffuser finish - \$1250