

Lotus Elise Range Technical Specifications, Exterior & Interior Specifications, Options

Vehicle Description	Technical Specification Lotus Elise	Technical Specification Lotus Elise Club Racer (as Lotus Elise where blank)	Technical Specification Lotus Elise S
Engine	Mid-mounted, transverse, 1598 cm ³ , 1ZR-FAE engine, aluminium lightweight and compact construction, 4 cylinders in line, water cooled, naturally aspirated with double overhead camshafts, 4 valves per cylinder, valvematic, dual variable valve timing, acoustic control induction system, direct ignition system, Lotus electronic throttle control system	Mid-mounted, transverse, 1598 cm ³ , 1ZR-FAE engine, aluminium lightweight and compact construction, 4 cylinders in line, water cooled, naturally aspirated with double overhead camshafts, 4 valves per cylinder, valvematic, dual variable valve timing, acoustic control induction system, direct ignition system, Lotus electronic throttle control system The dealer fit Club Racer Power Pack consists of Sports Air Filter and Sports Exhaust	Mid-mounted, transverse, 1797 cm ³ , 2ZR-FE engine, aluminium lightweight and compact construction, 4 cylinders in line, water cooled, Chain driven Double Overhead Camshaft (DOHC) exploiting a Variable Valve Timing & Lift-intelligent (VVTL-i) system, 4 valves per cylinder, valvematic, dual variable valve timing, acoustic control induction system, direct ignition system, Lotus electronic throttle control system Magnuson R900 supercharger utilising Eaton TVS™ technology
Bore x Stroke (mm)	80.5 x 78.5	80.5 x 78.5	80.5 x 88.3
Compression Ratio	10.7:1	10.7:1	10.0:1
Engine management	Lotus T6e engine control unit	Lotus T6e engine control unit	Lotus T6e engine control unit
Max Power	136 PS / 100 kW / 134 hp at 6800 rpm	Same as Elise but up to 142 PS / 104 kW / 140 hp at 6,800 rpm with dealer fitted Club Racer Power Pack (track use only)	220 PS / 162 kW / 217 hp at 6800 rpm
Max Torque	160 Nm / 118 lbft at 4400 rpm	165 Nm / 122 lbft at 4,500 rpm with dealer fitted Club Racer Power Pack (track use only)	250 Nm / 184 lbft at 4600 rpm
Emissions control	Three-way catalytic converter. Euro V emissions compliant with full On-Board Diagnostics (OBD).	Three-way catalytic converter. Euro V emissions compliant with full On-Board Diagnostics (OBD).	Three-way catalytic converter. Euro V emissions compliant with full On-Board Diagnostics (OBD).
Transmission	Aluminium lightweight construction, 6-speed, constant mesh helical gears and open differential.	Aluminium lightweight construction, 6-speed, constant mesh helical gears and open differential.	Aluminium lightweight construction, 6-speed, constant mesh helical gears and open differential.

Suspension	Fully independent suspension utilizing unequal length wishbones, Bilstein mono-tube gas damper, Eibach coaxial coil spring at each corner and front anti-roll bar.	Fully independent sports suspension utilizing unequal length wishbones, Bilstein mono-tube gas damper, Eibach coaxial coil spring at each corner and adjustable front anti-roll bar.	Fully independent suspension utilizing unequal length wishbones, Bilstein mono-tube gas damper, Eibach coaxial coil spring at each corner and front anti-roll bar.
Chassis	Lotus designed lightweight structure of epoxy bonded aluminium alloy extrusions with integral steel seat-belt support structure and lightweight steel rear subframe.	Lotus designed lightweight structure of epoxy bonded aluminium alloy extrusions with integral steel seat-belt support structure and lightweight steel rear subframe.	Lotus designed lightweight structure of epoxy bonded aluminium alloy extrusions with integral steel seat-belt support structure and lightweight steel rear subframe.
Dynamic Performance Management (DPM)	<p>Corner Brake Control (CBC) Drag Torque Control (DTC) Electronic Differential Lock (EDL) Traction Control System (TCS) Electronic Stability Control (ESC) Anti-lock Braking System (ABS)* Hydraulic Brake Assist (HBA)* Electronic Brake Distribution (EBD)* Understeer recognition</p> <p>All apart from * can be completely switched off</p>	<p>DPM with Sports Mode button Sport Mode increases the traction slip thresholds and removes understeer recognition, allowing the driver more vehicle control before an intervention is required.</p>	<p>Corner Brake Control (CBC) Drag Torque Control (DTC) Electronic Differential Lock (EDL) Traction Control System (TCS) Electronic Stability Control (ESC) Anti-lock Braking System (ABS)* Hydraulic Brake Assist (HBA)* Electronic Brake Distribution (EBD)* Understeer recognition</p> <p>All apart from * can be completely switched off</p>
Steering	Solidly mounted mechanical rack and pinion steering box with 2.8 turns lock-to-lock.	Solidly mounted mechanical rack and pinion steering box with 2.8 turns lock-to-lock.	Solidly mounted mechanical rack and pinion steering box with 2.8 turns lock-to-lock.
Brakes	Servo-assisted, track tuned 4-channel Antilock Braking System (ABS) with Lotus/AP-Racing twin-piston fixed aluminium alloy front brake calipers, Brembo single-piston sliding rear calipers and 282 mm diameter, 26 mm thick front and rear cast-iron ventilated discs.	Servo-assisted, track tuned 4-channel Antilock Braking System (ABS) with Lotus/AP-Racing twin-piston fixed aluminium alloy front brake calipers, Brembo single-piston sliding rear calipers and 282 mm diameter, 26 mm thick front and rear cast-iron ventilated discs.	Servo-assisted, track tuned 4-channel Antilock Braking System (ABS) with Lotus/AP-Racing twin-piston fixed aluminium alloy front brake calipers, Brembo single-piston sliding rear calipers and 282 mm diameter, 26 mm thick front and rear cast-iron ventilated discs.
Wheels	Silver 12-spoke lightweight alloy wheels 5.5x16" 7.5x17"	Black 12-spoke lightweight alloy wheels 5.5x16" 7.5x17"	Silver, Y-type, lightweight cast 6-spoke 5.5x16" 7.5x17"

Tyres		Yokohama Advan Neova AD07 LTS 175/55 R16 225/45 R17	Yokohama Advan Neova AD07 LTS 175/55 R16 225/45 R17	Yokohama Advan Neova AD07 LTS 175/55 R16 225/45 R17
Gear ratios	1 st	3.538	3.538	3.538
	2 nd	1.913	1.913	1.913
	3 rd	1.310	1.310	1.310
	4 th	0.971	0.971	0.971
	5 th	0.818	0.818	0.818
	6 th	0.700	0.700	0.700
	Reverse:	3.333	3.333	3.333
	Final Drive:	4.294	4.294	4.294

Performance Figures	Lotus Elise	Lotus Elise Club Racer (as Lotus Elise where blank)	Elise S
Max. Engine Speed	6,800 rpm continuous and 7,000 rpm transient	6,800 rpm continuous and 7,000 rpm transient	6,800 rpm continuous and 7,000 rpm transient
0-60 mph	6.0 seconds	6.0 seconds	TBC
0-100 km/h	6.5 seconds	6.5 seconds	TBC
0-100 mile/h (≈ 0-160 km/h)	18.6 seconds	18.6 seconds	TBC
Maximum speed	204 km/h / 127 mph	204 km/h / 127 mph	TBC
Fuel consumption – urban	8.31 litres per 100 km / 34.0 mpg	8.31 litres per 100 km / 34.0 mpg	TBC
Fuel consumption – extra urban	5.04 litres per 100 km / 56.1 mpg	5.04 litres per 100 km / 56.1 mpg	TBC
Fuel consumption – combined	6.28 litres per 100 km / 45.0 mpg	6.28 litres per 100 km / 45.0 mpg	TBC
CO ₂ emissions	149 g CO ₂ per km	149 g CO ₂ per km	TBC
Fuel tank capacity	43.5 litres (9.6 gal – UK)	43.5 litres (9.6 gal – UK)	43.5 litres (9.6 gal – UK)

Dimensions			
Wheelbase	2300 mm	2300 mm	2300 mm
Track – front	1457 mm	1457 mm	1457 mm
Track – rear	1507 mm	1507 mm	1507 mm
Overall length	3785 mm	3785 mm	3785 mm
Overall width (door mirrors excluded)	1719 mm	1719 mm	1719 mm
Overall width (door mirrors included)	1850 mm	1850 mm	1850 mm
Overall height – midladen (as per unladen with 2x 75 kg occupants)	1117 mm	1117 mm	1117 mm
Overhang – front	783 mm	783 mm	783 mm
Overhang – rear	702 mm	702 mm	702 mm
Ramp Angle – front	13.5 degrees	13.5 degrees	13.5 degrees
Ramp Angle – rear	23 degrees	23 degrees	23 degrees
Ground clearance – midladen (as per unladen with 2x 75 kg occupants)	130 mm	130 mm	130 mm
Vehicle mass – unladen (running order, full tank of fuel, no occupants, no luggage)	876 kg	<p>Official Weight: 876 kg Club racer weight excluding lightweight or deleted components</p> <p>Weight savings Lightweight equipment: Lightweight battery – saving 5.4kg Rear 'LOTUS' decal instead of the 3D 'LOTUS' badge – saving 60g No soft top fitted (available as an option) but ASO shower cape – saving 5.9kg</p> <p>Deleted component weight savings Central locking – saving 0.3kg radio and speakers – saving 4kg Noise insulation and carpets – saving 4.5kg Passenger Footrest – Saving 0.2kg Mud flaps – Saving 0.6kg Drivers and Passenger Airbag– saving 4kg</p> <p>Including lightweight and deleted components save: 24.96 kg</p>	TBC
Weight distribution	Front: 342 kg - 39% Rear: 534 kg - 61%	Front: 342 kg - 39% Rear: 534 kg - 61%	Front: 38% Rear: 62%
Drag Coefficient	0.41	0.41	0.41
Aerodynamic balance at 160 km/h (100 mph)	5 kg front; 5 kg rear	5 kg front; 5 kg rear	5 kg front; 7 kg rear

Exterior Specification			
Front mud-flaps	S	O (as part of comfort pack)	S
Black soft top	S	O	S
Hard top	O	O (Matt black) (shower cape not included)	O
Shower Cape	N/A	S	N/A
Solid paint	S	S (Saffron Yellow, Aspen White, Carbon Grey, Sky Blue)	S
Metallic paint	O	N/A	O
Premium paint	O	Matt Black	O
Rear diffuser with silver anodised finish	S	N/A	O
Clear sill stone chip protection film	S	S	S
Body colour lightweight trimmed seats – painted shells with foam pad inserts	N/A	S	N/A
Body colour painted centre console with CR decal to achieve two tone look	N/A	S	N/A
Part SuedeTex trimmed steering wheel	N/A	S	N/A
SuedeTex door inserts and handbrake/gearlever gaiter	N/A	S	N/A
Grip tape 'CR' logo design foot well covering	N/A	S	N/A
Matt black painted rear transom panel	N/A	S	N/A
Matt black painted door mirror caps	N/A	S	N/A
Matt black painted roll hoop cover	N/A	S	N/A
'CR' logos on rear, A panels, roll hoop cover and dash (when radio is not fitted)	N/A	S	N/A

Interior Specification			
Lightweight aluminium passenger footrest	S	O (as part of comfort pack)	S
Plain leather sun-visors	S	S	S
Lightweight aluminium footwell divider	S	S	S
Black plain/perforated leather steering wheel	S	N/A	S
Black leather gear lever gaiter	S	N/A	S
Polished aluminium gear knob and handbrake sleeve	S	N/A	S
Driver and passenger airbags	S	No cost option	S
Radio and single CD/MP3 player with 4 speakers	S	O (as part of comfort pack)	S
Immobiliser and remote activated alarm	S	S	S
Central door locking	S	O (as part of comfort pack)	S
Engine start push button	S	S	S
Black carpet mats	S	O (as part of comfort pack)	S
Black cloth ProBox™ seats with composite structure	S	N/A	S

Face-level air vents	S	S	S
SuedeTex interior	N/A	S	N/A

Options			
Touring Pack Includes: Leather ProBax™ seats Padded leather door panels Perforated leather door inserts Leather trimmed centre console Black perforated leather handbrake lever gaiter Black carpet mats with embroidered Elise logo Noise insulation panelling Auxiliary driving lights iPod* stereo connection Trinket tray divider and cup holder Cruise control	O	N/A	O
Comfort Pack Includes Radio and speakers Central locking Noise insulation Carpets with embroided 'CR' logo Foot rest Mud flaps Standard size battery Standard suspension with Non adjustable anti roll bar.	N/A	O	N/A
Sport Pack Includes: Bilstein Sports Dampers Silver 14-spoke forged wheels ProBax™ sports seats	O	N/A	O
Black Style Pack Black wheels Black rear diffuser	O	S	O
Soft top (shower cape is not provided)	S	0	S
Matt black painted hard top (shower cape not provided)	N/A	0	N/A
Air conditioning	0	0	O
Standard S wheel, black, Y-type, lightweight cast 6-spoke	N/A	N/A	O
Optional wheel, silver, forged 14-spoke	O	O	O

Optional wheel, black, forged 14-spoke	O	O	O
Tyre puncture repair aerosol	S	S	S
Tool kit	S	S	S
Soft top	S	O	S
Hard top	O	O	O
Air conditioning	O	O	O
Limited Slip Differential (LSD) only available with the sports pack	O	O	O
Lotus Dynamic Performance Management (Lotus DPM)† †	S	S	S

S = Standard

O = Optional

N/A = Not Available

POA = Price On Application.

* iPod is a trade mark of Apple Inc registered in USA and other countries.

Please note that the performance, fuel consumption and CO2 figures for the Exige S are not available at the time of going to press. These will be published and displayed on lotuscars.com website as soon as they become available.