



GROUP LOTUS PLC

Lotus Sport Exige 240R Technical Specifications

March 2005

Vehicle Description	Technical Specifications
Engine	<p>Mid-mounted, transverse, 1796 cm³, 2ZZ-GE engine, Metal Matrix Composite (MMC) & aluminium lightweight and compact construction</p> <p>4 cylinders in line, water cooled, with double overhead camshafts exploiting a Variable Valve Timing & Lift - intelligent (VVTL-i) system, hydraulic tappets</p> <p>4 valves per cylinder</p> <p>Rocker arms with low friction followers, multi-point sequential fuel injection and electronic ignition.</p> <p>Supercharger (Roots-type)</p> <p>Lotus Sport intake manifold, plenum and induction system</p> <p>Lotus Sport belt drive system</p> <p>Lotus Sport Air to air intercooler - cooling air enters via the roof scoop</p> <p>Accusump</p> <p>Sports Exhaust</p>
Engine management	Lotus T4 engine control unit
Max Power	181 kW (243 hp, 247 PS) @ 8000 min ⁻¹
Max Torque	236 Nm (174 lbft, 24 kgm) @ 7000 min ⁻¹
Power to weight ratio	195 kW/t (261 hp/t, 266 PS/t)
Specific power output	100.78 kW/l (136.97 hp/l, 137.4 PS/l)
Emissions control	<p>Three-way catalytic converter.</p> <p>Euro IV emissions compliant with full On-Board Diagnostics (OBD).</p>
Transmission	C64 Gearbox, aluminium lightweight construction, 6-speed, close ratio, constant mesh helical gears and open differential.
Suspension	Fully independent sport suspension utilising unequal length wishbones, 2-way adjustable Ohlins dampers with ride height adjustment, adjustable front anti-roll bar, Eibach coaxial coil spring at each corner and front anti-roll bar.
Chassis	<p>Lotus designed lightweight structure of epoxy bonded</p> <p>Aluminium alloy extrusions with integral steel seat-belt support structure and lightweight steel rear subframe.</p>
Steering	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 & cross-drilled discs.
Wheels	Unique black lightweight eight spoke wheels (16" front and 17" rear)
Tyres Front	Yokohama A048 tyre LTS (rated W) 195/50 R16
Rear	Yokohama A048 tyre LTS (rated W) 225/45 R17
Gear ratios First	3.116 :1
Second	2.050 :1
Third	1.481 :1
Fourth	1.166 :1
Fifth	0.916 :1
Sixth	0.815 :1
Reverse	3.250 :1
Final drive	4.529 :1
Performance Figures	
0-60 mile/h	3.9 s
0-100 mile/h (≈ 0-160 km/h)	9.9 s
Maximum speed	249 km/h (155 mph)
Fuel consumption - urban	TBA
Fuel consumption - extraurban	TBA
Fuel consumption - combined	TBA
CO ₂ emissions	TBA
Weight distribution	42 % Front – 58 % Rear
Fuel tank capacity	40 ℓ (8.8 gal (UK))
Luggage capacity	112 ℓ - 50 kg
Dimensions	
Wheelbase	2300 mm
Track – front	1457 mm
Track – rear	1507 mm
Overall length	3797 mm
Overall width (door mirrors excluded)	1727 mm
Overall width (door mirrors included)	1850 mm
Overall height - midladen (as per unladen with 2x 75 kg occupants)	Adjustable: 1149 mm to 1159 mm
Overhang – front	805 mm
Overhang – rear	692 mm
Ground clearance – midladen (as per unladen with 2x 75 kg occupants)	Adjustable: 120 mm to 130 mm
Vehicle mass - unladen (running order, full tank of fuel, no occupants, no luggage)	930 kg