

## Lotus Evora Range Technical Specifications, Exterior & Interior Specifications, Options

September 2011

Vehicle Description	Technical Specification Lotus Evora (IPS Option where stated)	Technical Specification Lotus Evora S (IPS Option where stated)	Technical Specification Lotus Evora GTE
Engine	Mid-mounted, transverse, 3456 cm <sup>3</sup> , 2GR-FE engine, aluminium lightweight and compact construction, V6 24 valve, water cooled, naturally aspirated with double overhead camshafts per cylinder bank, 4 valves per cylinder, Dual-Variable Valve Timing – intelligent, direct ignition system, electronic throttle control system-intelligent	Mid-mounted, transverse, 3456 cm <sup>3</sup> , 2GR-FE engine, aluminium lightweight and compact construction, V6 24 valve, water cooled, supercharged with double overhead camshafts per cylinder bank, 4 valves per cylinder, Dual-Variable Valve Timing – intelligent, direct ignition system, electronic throttle control system-intelligent  Harrop HTV 1320 supercharger assembly (utilising Eaton Twin Vortex Series (TVS) Technology™)  Exhaust Protection Valve (opens at 4700 rpm) designed to reduce the back pressure at high rpm, allowing the engine to safely generate full power.	Mid-mounted, transverse, 3456 cm <sup>3</sup> , 2GR-FE engine, aluminium lightweight and compact construction, V6 24 valve, water cooled, supercharged with double overhead camshafts per cylinder bank, 4 valves per cylinder, Dual-Variable Valve Timing – intelligent, direct ignition system, electronic throttle control system-intelligent  Harrop HTV 1320 supercharger assembly (utilising Eaton Twin Vortex Series (TVS) Technology™)
Compression ratio	10:1	10:1	10:1
Swept volume (Bore x Stroke)	94 x 83 mm	94 x 83 mm	94 x 83 mm
Engine management	Lotus T6e engine control unit	Lotus T6e engine control unit	Lotus T6e engine control unit
Max Power	280 PS / 206 kW / 276 hp @ 6400 rpm	350 PS / 257.5 kW / 345 hp @ 7000 rpm	444 PS @ 7000 rpm
Max Torque	350 Nm / 258 lbft @ 4600rpm	400 Nm / 295 lb ft @ 4500 rpm	420 Nm @ 4500 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).	Two way catalytic converter
Transmission	EA60 6 speed transverse Sports Ratios manual gearbox with open differential. IPS: U660E 6 speed transverse automatic gearbox with open differential	EA60 6 speed transverse Sports Ratios manual gearbox with open differential IPS: U660E 6 speed transverse automatic gearbox with open differential	EA60 6 speed transverse Sports Ratios manual gearbox with open differential AMT Hydraulic Control unit

Suspension	Front and rear: Fully independent suspension, Forged Aluminium Double wishbone suspension, antiroll bar, Eibach springs and Bilstein dampers	Front and rear: Fully independent suspension, Forged Aluminium Double wishbone suspension, antiroll bar, Eibach springs and Bilstein dampers	Front and rear: Fully independent suspension, Double wishbone suspension, antiroll bar, Eibach springs and Bilstein dampers
Chassis	Lotus designed VVA (modular lightweight bonded Aluminium structure) Total chassis weight 203 kg Front module 29 kg Rear module 58 kg Chassis tub 116 kg Whole vehicle torsional stiffness: 26,600 Nm per degree	Lotus designed VVA (modular lightweight bonded Aluminium structure) Total chassis weight 203 kg Front module 29 kg Rear module 58 kg Chassis tub 116 kg Whole vehicle torsional stiffness: 26,600 Nm per degree	Lotus designed VVA (modular lightweight bonded Aluminium structure) Total chassis weight 203 kg Front module 29 kg Rear module 58 kg Chassis tub 116 kg Whole vehicle torsional stiffness: 26,600 Nm per degree
Body	Lightweight composite body panels	Lightweight composite body panels	Lightweight carbon fibre body panels with composite front inspection panel and rear bootlid
Fuel Tank	Stainless steel fuel tank	Stainless steel fuel tank	Stainless steel fuel tank
Dynamic Performance Management (DPM)	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  All apart from * can be completely switched off  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.	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  All apart from * can be completely switched off  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.	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  All apart from * can be completely switched off  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.
Steering	Rack and pinion steering box with 2.86 turns	Rack and pinion steering box with 2.86 turns	Rack and pinion steering box with 2.86

	lock-to-lock. Lotus tuned hydraulically assisted power assistance	lock-to-lock. Lotus tuned hydraulically assisted power assistance	turns lock-to-lock. Lotus tuned hydraulically assisted power assistance
Brakes		Servo-assisted, track tuned 4-channel Antilock Braking System (ABS) Black AP-Racing four-piston calipers (front and rear) Front: 350 mm ventilated and cross drilled cast-iron discs Rear: 332 mm ventilated and cross drilled cast-iron discs	Servo-assisted, track tuned 4-channel Antilock Braking System (ABS) Black AP-Racing four-piston calipers (front and rear) Front: 350 mm ventilated and cross drilled cast-iron discs Rear: 332 mm ventilated and cross drilled cast-iron discs
Wheels	Cast wheels - Silver or Stealth Grey (option) – 18” x 8” front & 19” x 9.5” rear  Forged wheels (option): Silver or Anthracite – 18” x 8” front & 19” x 9.5” rear - (3.2 kg lighter) Diamond Cut “Turbine” 18” x 8” front & 19” x 9.5” rear Diamond Cut “Design” 19” front & 20” rear	Cast wheels – Silver or Stealth Grey – 18” x 8” front & 19” x 9.5” rear  Forged wheels (option): Silver or Anthracite – 18” x 8” front & 19” x 9.5” rear - (3.2 kg lighter) Diamond Cut “Turbine” 18” x 8” front & 19” x 9.5” rear Diamond Cut “Design” 19” front & 20” rear	Forged wheels: Unique GTE centre lock 19” front & 20” rear
Tyres	Standard: 225/40 ZR18 Pirelli P-Zero 255/35 ZR19 Pirelli P-Zero  Option Bespoke Pirelli P-Zero Corsa (LS marking on tyres) Front 235/35R19 Rear 275/30R20	Standard: 225/40 ZR18 Pirelli P-Zero 255/35 ZR19 Pirelli P-Zero  Option Bespoke Pirelli P-Zero Corsa (LS marking on tyres) Front 235/35R19 Rear 275/30R20	Bespoke Pirelli P-Zero Corsa (LS marking on tyres) Front 235/35R19 Rear 275/30R20

Gear ratios		Manual	IPS	Manual	IPS	AMT
1 <sup>st</sup> :		3.538	3.300	3.538	3.300	3.538
2 <sup>nd</sup> :		1.913	1.900	1.913	1.900	1.913
3 <sup>rd</sup> :		1.407	1.420	1.407	1.420	1.407
4 <sup>th</sup> :		1.091	1.000	1.091	1.000	1.091
5 <sup>th</sup> :		0.9697	0.713	0.9697	0.713	0.9697
6 <sup>th</sup> :		0.8611	0.608	0.8611	0.608	0.8611
Reverse:		3.831	4.148	3.831	4.148	3.831
Final Drive (1 <sup>st</sup> -4 <sup>th</sup> ):		3.777	3.685 (1st to 6th)	3.777	3.685 (1st to 6th)	3.777
Final Drive (5 <sup>th</sup> - 6 <sup>th</sup> ):		3.238	N/A	3.238	N/A	3.238

Performance Figures			
Max. Engine Speed	6600 rpm continuous and 6800 rpm transient With Sports button activated 6800 rpm continuous and 7200 rpm transient	6600 rpm continuous and 6800 rpm transient With Sports button activated 6800 rpm continuous and 7200 rpm transient	7200 rpm
0-60 mph	4.9 seconds (with IPS option: 5.3 seconds)	4.6s	TBC
0-100 km/h	5.1 seconds (with IPS option: 5.5 seconds)	4.8s	TBC
Maximum speed	261 km/h / 162 mph (with IPS option: 250 km/h / 155 mph)	277 km/h / 172 mph	TBC
60-0 mph	33.6 meters – 2.4 seconds	33.6 meters – 2.4 seconds	TBC
100-0 mph	88.6 meters – 3.9 seconds	88.6 meters – 3.9 seconds	TBC
100-0 km/h	36.8 meters – 2.5 seconds	36.8 meters – 2.5 seconds	TBC
160-0 km/h	89.5 meters – 3.9 seconds	89.5 meters – 3.9 seconds	TBC
Fuel consumption – urban	21.5 mpg – 13.2 litres / 100km (with IPS option: 21.2 mpg / – 13.3 litres / 100km)	14.2 litres / 100km (19.9 mpg) with IPS option: 19.6 mpg – 14.4 litres / 100km	TBC
Fuel consumption – extra urban	39.6 mpg – 7.1 litres / 100km (with IPS option: 42.8 mpg – 6.6 litres / 100km)	7.4 litres / 100km (38.4 mpg) with IPS option: 40.8 mpg – 6.9 litres / 100km	TBC
Fuel consumption – combined	30.3 mpg – 9.3 litres / 100km (with IPS option: 31.4 mpg – 9.0 litres / 100km)	9.9 litres / 100km (28.7 mpg) with IPS option: 29.3 mpg – 9.7 litres / 100km	TBC

CO <sub>2</sub> emissions	217 g CO <sub>2</sub> / km (with IPS option: 210 g CO <sub>2</sub> / km)	CO <sub>2</sub> Emissions 229 g CO <sub>2</sub> / km (with IPS option: 224 g CO <sub>2</sub> / km)	TBC
Power to Weight	202 PS / tonne; with IPS option: 195 PS / tonne	243.5 PS / tonne;	348 PS / tonne

<b>Dimensions</b>			
Wheelbase	2574.5mm	2574.5mm	2574.5 mm
Track – front	1564 mm	1564mm	1664 mm
Track – rear	1575.5mm	1575.5mm	1685.5 mm
Overall length	4350.5mm	4360.5mm	4360.5mm
Overall width (door mirrors included)	1972mm	1972mm	1972 mm
Overall height – (unladen)	1229 mm	1229 mm	1214 mm
Overhang – front	1000 mm	1000 mm	1000 mm
Overhang – rear	776 mm	784 mm	784 mm
Turning circle	10.14 m	10.14 m	10.14 m
Ground clearance front–unladen	180.6 mm	180.6 mm	165.6 mm
Ground clearance between axels – unladen	140 mm	140 mm	125 mm
Vehicle mass – unladen (running order, full tank of fuel, no occupants, no luggage)	1382 kg (With IPS option: 1436 kg)	1436 kg (With IPS option: 1442 kg)	1276 kg
Luggage Capacity	50 kg	50 kg	50 kg
Weight distribution	Front: 39% Rear: 61%	Front: 39% Rear: 61%	TBC
Drag Coefficient	0.33 (CdA: 0.627)	0.33 (CdA: 0.627)	TBC
Aerodynamic balance at 160 km/h (100 mph)	3 kg front; 5 kg rear	3 kg front; 5 kg rear	TBC
Fuel tank capacity	60 litres / 13.1 gallons usable volume	60 litres / 13.1 gallons usable volume	60 litres / 13.1 gallons usable volume
Boot capacity	160 litres	160 litres	~150 litres

<b>Exterior Specification</b>			
Solid paint	S	S	Unique GTE Paint range
Metallic paint	O	O	
Premium paint	O	O	
Heated and electric door mirrors	S	S	S
Heated and electric (power-fold) door mirrors	O	O	S
Body coloured door handles	S	S	S
18" front and 19" rear cast alloy wheels	S	S	N/A

<b>Interior Specification</b>	<b>Evora</b>	<b>Evora S</b>	<b>Evora GTE</b>
Adjustable Recaro leather sports seats (front)	S	S	S with unique GTE styling
Heated front Recaro seats (standard with Premium Pack)	O	O	S
2+2 seat configuration with Isofix in rear	O	O	N / A
CD/MP3/WMA receiver	S	S	S
Central door locking	S	S	S
Flat bottomed magnesium steering wheel trimmed in leather	S	S	S (unique GTE styling)
Leather handbrake sleeve	S	S	S
Leather Gearknob	S	S	N / A
Manual steering column adjustment for length and height	S	S	S
Bespoke aluminium illuminated control knobs and switches	S	S	S
Electric windows	S	S	S
Remote release glove box	S	S	S
Door storage bins and integrated cup holders	S	S	S
12v interior accessory socket	S	S	S
12v boot mounted battery accessory socket	S	S	S
Lotus command centre with auxiliary trip computer and vehicle monitoring displays	S	S	S (unique GTE design)
Immobiliser and remote activated alarm	S	S	S

<b>Safety Equipment</b>			
Dual Stage Driver and Passenger Airbags	S	S	S
Passenger Airbag on/off switch (non federal markets)	S	S	S
Load Limiting Pyrotechnic Pre-tensioning Front Seat Belts	S	S	S
ISOFIX Child Seat Anchorage (LATCH system in federal markets)	S	S	N / A

<b>Options</b>			
<b>SPORT PACK</b> Switchable sports mode with sharper throttle response, increased rpm limit and sports DPM setting Sports diffuser Titanium sports exhaust tailpipe Cross-drilled brake discs Red painted brake callipers	O	S	N / A
<b>PREMIUM PACK</b> Accent lighting Premium floor mats Leather door panelling below trim band Leather trimmed door pockets, armrest, centre console and tailgate insert panel Leather footwell side panels Choice of seven leather shades: Venom Red, Ebony Black, Cocoa Brown, Ash Grey, Imperial Blue, Cognac Brown, Ivory White Heated front Recaro seats	O	O	N / A
<b>PREMIUM PACK SUEDETEx®</b> Accent lighting Premium floor mats Leather door panelling below trim band Leather trimmed door pockets, armrest, centre console and tailgate insert panel Leather footwell side panels Ebony Black leather and Slate Grey SuedeTex® Heated front Recaro seats	O	O	N / A

<p><b>PREMIUM PACK SPORT</b>  Accent lighting  Premium floor mats  Leather door panelling below trim band  Leather trimmed door pockets, armrest, centre console and tailgate insert panel  Leather footwell side panels  Choice of four leather shades:  Ebony Black with red contrast stitching and piping, Venom Red, Cocoa Brown and Imperial Blue with black contrast stitching and piping  Carbon effect leather inserts on front seats (and rear seats if 2+2)  Heated front Recaro seats</p>			
<p><b>TECH PACK</b>  Upgraded speakers and stereo system with 2x50W amplifier and subwoofer with dedicated amplifier, DVD player, 7" WVGA touch screen display  Bluetooth† mobile phone connection  USB connection for various iPod* models, MP3 players and memory sticks  Tyre pressure monitoring  Cruise control  Rear parking sensors</p>	O	O	N / A
<p><b>GTE PACK</b>  Switchable sports mode with sharper throttle response, increased rpm limit and sports DPM setting  Unique GTE sports carbon fibre diffuser  Unique GTE exhaust tailpipe  Cross-drilled brake discs  Red painted brake callipers  Accent lighting  Carbon fibre floor panels  Unique carbon fibre interior door panels  Leather trimmed door pockets, armrest, centre console and tailgate insert panel  Carbon fibre footwell side panels  Heated front Recaro seats  Unique GTE trim</p>	N/A	N/A	S

Heated front Recaro seats Upgraded speakers and stereo system with 2x50W amplifier and subwoofer with dedicated amplifier, DVD player, 7" WVGA touch screen display Bluetooth† mobile phone connection USB connection for various iPod* models, MP3 players and memory sticks Tyre pressure monitoring Cruise control Rear parking sensors			
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<b>Interior Specification</b>			
Lotus Dynamic Performance Management (Lotus DPM)	S	S	S
Lotus tuned ABS system	S	S	S
Ventilated brake discs (350 mm front, 332 mm rear)	S	N/A	N/A
Servo assisted drilled ventilated discs (350 mm front, 332 mm rear)	O	S	S
AP Racing 4-piston calipers (front and rear)	S	S	S
Classic wheel, silver, cast (18" front and 19" rear)	S	S	Forged wheels: Unique GTE centre lock 19" front & 20" rear
Classic wheel, stealth grey, cast (18" front and 19" rear)	O	S	
Sport wheel, silver or gloss anthracite, forged (18" front and 19" rear)	O	O	
Design wheel, diamond cut, forged (19" front and 20" rear)	O	O	
Design wheel, satin gunmetal or gloss black, forged (19" front and 20" rear)	O	O	
Tyres Pirelli P-Zero Front 225/40 ZR18 Rear 255/35 ZR19	S	S	N / A
Tyres Bespoke Pirelli P-Zero Corsa (LS marking on tyres) Front 235/35R19 Rear 275/30R20	O	O	S
Sports rear diffuser	N/A	S	CARBON
Bi-Xenon headlights	S	S	S
Body coloured, electric door mirrors	S	O	CARBON
Black coloured, electric door mirrors	N/A	S	N / A
Power fold mirrors	O	O	S

Reversing Camera (only with tech pack)	O	O	S
Air conditioning	S	S	S

S = Standard

O = Optional

N/A = Not Available

POA = Price On Application.

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