

## ES TECHNICAL SPECIFICATIONS

<b>HYBRID SYSTEM</b>				
Type		Lexus Hybrid Drive, series/parallel, full hybrid		
Full system power (bhp/kW)		215/160		
<b>ENGINE</b>				
Type		4 cylinders, in-line, Atkinson cycle		
Valve mechanism		4 valves per cylinder, DOHC with VVT-iW (intake) and VVT-i (exhaust)		
Bore x stroke (mm)		87.5 x 103.4		
Displacement (cc)		2,487		
Compression ratio		14.0:1		
Fuel system		Intake port (multi-point)		
Fuel type		95 octane petrol, or higher		
Max. engine power (bhp/kW @ rpm)		176/131 @ 5,700		
Max. engine torque (Nm @ rpm)		221 @ 3,600 – 5,200		
<b>ELECTRIC MOTOR/GENERATOR</b>				
Type		AC synchronous, permanent magnet		
Max. power (bhp/kW)		120/88		
Max. torque (Nm)		202		
Max. voltage (V)		650		
<b>HYBRID BATTERY</b>				
Type		Nickel-metal hydride (NiMH)		
Nominal voltage (DC V)		244.8		
Number of cells		204		
<b>TRANSMISSION</b>				
Type		E-CVT		
Motor reduction ratio		3.389		
Differential gear ratio		3.389		
Driven wheels		Front		
<b>PERFORMANCE</b>				
0-62mph (sec)		8.9		
Maximum speed (mph)		112		
<b>FUEL CONSUMPTION</b>				
Combined – WLTP (mpg)		48.49 to 53.55		
Fuel tank capacity (l)		50		
<b>EMISSIONS &amp; INSURANCE</b>		<b>17in wheel</b>	<b>18in wheel</b>	<b>19in wheel</b>
CO <sub>2</sub> – NEDC correlated data	Combined (g/km)	100	103	106
	Extra urban (g/km)	98	101	105
	Urban (g/km)	112	114	116
Insurance groups		33E – 38E		
<b>SUSPENSION</b>				
Front		MacPherson strut		
Rear		Trailing wishbone		
<b>BRAKES</b>				
Brake type	Front	Ventilated discs		
	Rear	Solid discs		

Brake size	Front (diameter x thickness, mm)	305 x 28
	Rear (diameter x thickness, mm)	281 x 12
Parking brake		Electronic
<b>STEERING</b>		
Steering gear type		Rack and pinion
Turns lock-to-lock		2.7
Minimum turning radius	Tyre (m)	5.8 (17in wheels) 5.9 (18in, 19in wheels)
	Body (m)	6.2 (17in wheels) 6.3 (18in, 19in wheels)
Power steering type		Electric power steering (EPS)
<b>EXTERIOR DIMENSIONS</b>		
Length (mm)		4,975
Width (mm)		1,865
Height (mm)		1,445
Wheelbase (mm)		2,870
Track	Front (mm)	1,525
	Rear (mm)	1,520
Overhang	Front (mm)	1,005
	Rear (mm)	1,100
Ground clearance (mm)		150
Drag coefficient (Cd)		0.26
<b>INTERIOR DIMENSIONS</b>		
Length (mm)		2,168
Width (mm)		1,533
Height (mm)		1,145
Couple distance (mm)		1,022
Headroom	Front (mm)	953
	Rear (mm)	949.5
Legroom	Front (mm)	1,077.5
	Rear (mm)	998.6
Shoulder room	Front (mm)	1,421
	Rear (mm)	1,372.4
Hip room	Front (mm)	1,395.8
	Rear (mm)	1,380
Boot capacity – VDA (l)		454
<b>WHEELS AND TYRES</b>		
Wheels		17, 18 or 19in alloy
Tyres		215/55R17 235/45R18 235/40R19
Spare		Tyre repair kit
<b>WEIGHTS</b>		
Kerb weight (kg)		1,680 – 1,742
Gross vehicle weight (kg)		2,150

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