

ES TECHNICAL SPECIFICATIONS

HYBRID SYSTEM				
Type		Lexus Hybrid Drive, series/parallel, full hybrid		
Full system power (bhp/kW)		215/160		
ENGINE				
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		
ELECTRIC MOTOR/GENERATOR				
Type		AC synchronous, permanent magnet		
Max. power (bhp/kW)		120/88		
Max. torque (Nm)		202		
Max. voltage (V)		650		
HYBRID BATTERY				
Type		Nickel-metal hydride (NiMH)		
Nominal voltage (DC V)		244.8		
Number of cells		204		
TRANSMISSION				
Type		E-CVT		
Motor reduction ratio		3.389		
Differential gear ratio		3.389		
Driven wheels		Front		
PERFORMANCE				
0-62mph (sec)		8.9		
Maximum speed (mph)		112		
FUEL CONSUMPTION				
Combined – WLTP (mpg)		48.49 to 53.55		
Fuel tank capacity (l)		50		
EMISSIONS & INSURANCE				
		17in wheel	18in wheel	19in wheel
CO ₂ – NEDC correlated data	Combined (g/km)	100	103	103
	Extra urban (g/km)	98	101	101
	Urban (g/km)	112	114	114
Insurance groups		33E – 38E		
SUSPENSION				
Front		MacPherson strut		
Rear		Trailing wishbone		
BRAKES				
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
STEERING		
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)
EXTERIOR DIMENSIONS		
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
INTERIOR DIMENSIONS		
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
WHEELS AND TYRES		
Wheels		17, 18 or 19in alloy
Tyres		215/55R17 235/45R18 235/40R19
Spare		Tyre repair kit
WEIGHTS		
Kerb weight (kg)		1,680 – 1,742
Gross vehicle weight (kg)		2,150

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