

ES TECHNICAL SPECIFICATIONS

HYBRID SYSTEM	
Type	Lexus Hybrid Drive, series/parallel, full hybrid
Full system power (bhp/DIN hp/kW)	215/218/160
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/DIN hp/kW @ rpm)	176/178/131 @ 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 (WLTP)	
Combined (mpg)	52.3 to 53.2
Fuel tank capacity (l)	50
EMISSIONS (WLTP), INSURANCE, SERVICING & WARRANTY	
CO ₂ emissions – combined (g/km)	120-123
Insurance groups	31E – 36E
Service intervals	10,000 miles/annually
Comprehensive new vehicle warranty	3 years/60,000 miles
Hybrid warranty	5 years/60,000 miles (whichever comes first)
Corrosion/perforation warranty	12 years/unlimited mileage
Surface rust/paintwork	3 years/unlimited mileage
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)	1,600
	Rear (mm)	1,610
Overhang	Front (mm)	1,005
	Rear (mm)	1,100
Ground clearance (mm)		150
Drag coefficient (Cd)		0.26
INTERIOR DIMENSIONS		
Length (mm)		2,053
Width (mm)		1,533
Height (mm)		1,145
Couple distance (mm)		1,022
Boot capacity – VDA (l)		454
WHEELS AND TYRES		
Wheels		18 or 19in alloy
Tyres		235/45R18 235/40R19
Spare		Tyre repair kit
WEIGHTS		
Kerb weight (kg)		1,680 – 1,740
Gross vehicle weight (kg)		2,150

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