

LEXUS IS 300h TECHNICAL SPECIFICATION

ENGINE	
Engine code	2AR-FSE
Engine type	4 cylinders in-line
Valve mechanism	16 valve DOHC, dual VVT-i
Fuel system	EFI, D-4S direct injection
Displacement (cc)	2,494
Bore x stroke (mm)	90.0 x 98.0
Compression ratio	13.0:1
Total system output (bhp/kW)	220/164
Max. engine power (bhp/kW @ rpm)	178/133 @ 6,000
Max. engine torque (Nm @ rpm)	221 @ 4,200 – 5,400
HYBRID SYSTEM	
Motor generator	
Type	Permanent magnet, synchronous motor
System voltage	650
Max. power (bhp/kW)	141/105
Max. torque (Nm)	300
Hybrid battery	
Type	Nickel metal-hydride
Nominal voltage	230.4
Number of cells	192
System voltage	650
PERFORMANCE	
0-62mph (sec)	8.4
Max. speed (mph)	125
DIMENSIONS	
Overall length (mm)	4,680
Overall width –mirrors folded (mm)	1,810
Overall width – including mirrors (mm)	2,027
Overall height (mm)	1,430
Wheelbase (mm)	2,800
Track front (mm)	1,535
Track rear (mm)	1,550
	1,540 (18in wheels)
Overhang front (mm)	845
Overhang rear (mm)	1,035
Coefficient of Drag (Cd)	0.26
Fuel tank capacity (litres)	66
INTERIOR DIMENSIONS	
Interior length (mm)	1,945
Interior width (mm)	1,500
Interior height (mm)	1,115
Luggage capacity (litres)	450
WEIGHTS (kg)	
Kerb weight	1,620 – 1,720
Gross vehicle weight	2,130
Towing capacity (braked)	750
Towing capacity (unbraked)	750
TRANSMISSION	
Type	E-CVT

Gear ratios	Forward	3.333
	Reverse	3.333
FUEL CONSUMPTION		
Combined – WLTP data (mpg)		44.37 to 50.0
EMISSIONS & INSURANCE		
CO ₂ - combined, NEDC correlated data (g/km)	17in wheel	104
	18in wheel	109
Insurance groups		28E to 30E
SUSPENSION		
Front		Double wishbone
Rear		Multilink
BRAKES		
Front (diameter x thickness, mm)		Ventilated discs 296 x 28
Rear		Ventilated discs 290 x 18
STEERING		
Type		Rack and pinion, electric power steering
Ratio		13.2:1
Turns (lock to lock)		2.8
Min. turning radius (m)	Tyre	5.2
	Body	5.5
TYRES & WHEELS		
Tyre & wheel size	17in	Front 225/45R17 91W Rear 225/45R17 91W
	18in	Front 225/40R18 88Y Rear 255/35R18 90Y

Ref:190327M