

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 @ 4200-5400	
HYBRID SYSTEM		
Motor generator		
Type	Permanent magnet, synchronous motor	
Max. 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		E-CVT
Gear ratios	Forward	3.333

	Reverse	3.333
FUEL CONSUMPTION		
Combined (mpg)	17in wheel	65.7
	18in wheel	61.4
Urban (mpg)	17in wheel	62.8
	18in wheel	60.1
Extra urban (mpg)	17in wheel	62.8
	18in wheel	58.9
EMISSIONS & INSURANCE		
CO ₂ - combined (g/km)	17in wheel	101
	18in wheel	107
Insurance groups		28E to 30E
SUSPENSION		
Front		Double wishbones
Rear		Multilink
BRAKES		
Front		Ventilated discs
Rear		Ventilated discs
STEERING		
Type		Rack and pinion, electric power steering
Ratio		13.2:1
Turns (lock to lock)		2.841
Min. turning radius (m)	Tyre	5.2
	Body	5.5
Tyre & wheel size	Executive Edition/Advance/	Front 225/45R17 91W Rear 225/45R17 91W
	Sport/F Sport/Premier	Front 225/40R18 88Y Rear 255/35R18 90Y

Ref:180125M