

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/DIN hp/kW) | 220/223/164 |
| Max. engine power (bhp/DIN hp/kW @ rpm) | 178/181/133 @ 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, rear-wheel drive | |
| Gear ratios | Forward | 3.333 |
| | Reverse | 3.333 |
| FUEL CONSUMPTION (WLTP) | | |
| Combined (mpg) | 44.8 to 48.7 | |
| EMISSIONS (WLTP), INSURANCE, SERVICE & WARRANTY | | |
| CO ₂ emissions - combined, (g/km) | IS | 137 |
| | IS Comfort Pack | 133 |
| | IS Premier Pack | 141 – 18in wheels 133 – 17 in wheels |
| | IS Sport Pack | 142 |
| | F Sport | 143 |
| | F Sport Limited Edition | 143 |
| | F Sport Premier Pack | 143 |
| | F Sport Premier Pack Limited Edition | 143 |
| | F Sport Takumi Pack | 144 |
| | Takumi | 142 |
| Insurance groups | 28E to 30E | |
| 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 | 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 |