

## LEXUS LS 500h TECHNICAL SPECIFICATIONS

| <b>ENGINE AND HYBRID SYSTEM</b>            |                 |   |
|--|-----------------|---|
| Engine code                                |                 | 8GR-FXS   |
| Engine type                                |                 | 3.5-litre V6  |
| Valve mechanism                            |                 | 24-valve DOHC with VVT-iW (intake) and VVT-i (exhaust)      |
| Displacement (cc)                          |                 | 3,456   |
| Bore x stroke (mm)                         |                 | 94.0 x 83.0   |
| Compression ratio                          |                 | 13.0:1  |
| <b>Total system output (bhp/DIN hp/kW)</b> |                 | <b>354/359/264</b>  |
| Max. engine power (bhp/DIN hp/kW @ rpm)    |                 | 295/299/220 @ 6,600   |
| Max. engine torque (Nm @ rpm)              |                 | 350 @ 5,100   |
| <b>Motor generator</b>                     |                 |   |
| Type                                       |                 | A/C permanent magnet, synchronous motor                     |
| Max. voltage                               |                 | 650   |
| Max. power (bhp/kW)                        |                 | 177/132   |
| Max. torque (Nm)                           |                 | 300   |
| <b>Hybrid battery</b>                      |                 |   |
| Type                                       |                 | Lithium-ion   |
| Nominal voltage                            |                 | 310.8   |
| Number of cells                            |                 | 84  |
| System voltage                             |                 | 650   |
| <b>PERFORMANCE</b>                         |                 |   |
| 0-62mph (sec)                              | RWD             | 5.4   |
|  | AWD             | 5.5   |
| Max. speed (mph)                           |                 | 155   |
| <b>DIMENSIONS</b>                          |                 |   |
| Overall length (mm)                        |                 | 5,235   |
| Overall width (mm)                         |                 | 1,900   |
| Overall height (mm)                        | Coil suspension | 1,460 – RWD<br>1,470 - AWD                                  |
|  | Air suspension  | 1,450 – RWD<br>1,460 - AWD                                  |
| Wheelbase (mm)                             |                 | 3,125   |
| Track front (mm)                           | RWD             | 1,630   |
|  | AWD             | 1,630 – coil suspension & F Sport<br>1,635 – Air suspension |
| Track rear (mm)                            | RWD             | 1,635 / 1,615 – F Sport                                     |
|  | AWD             | 1,635 / 1,615 – F Sport                                     |
| Overhang front (mm)                        |                 | 940   |
| Overhang rear (mm)                         |                 | 1,170   |
| Coefficient of Drag (Cd)                   |                 | 0.26  |
| Luggage capacity (litres)                  |                 | 430   |

| <b>WEIGHTS (kg)</b>  |                  |   |
|--|------------------|---|
| Kerb weight (kg)   | RWD              | 2,175 – 2,215 coil springs<br>2,265 – 2,320 air suspension<br>2,270 – 2,290 F Sport |
|  | AWD              | 2,340 – 2,400<br>2,380 – 2,425 with Relaxation Package                              |
| Gross vehicle weight (kg)                                    | RWD              | 2,725   |
|  | AWD              | 2,800   |
| <b>TRANSMISSION</b>  |                  |   |
|  |                  | <b>Multi Stage Hybrid</b>   |
| Gear ratios  | 1 <sup>st</sup>  | 3.538   |
|  | 2 <sup>nd</sup>  | 1.888   |
|  | 3 <sup>rd</sup>  | 1.000   |
|  | 4 <sup>th</sup>  | 0.650   |
|  | 5 <sup>th</sup>  | Variable  |
|  | 6 <sup>th</sup>  | Variable  |
|  | 7 <sup>th</sup>  | Variable  |
|  | 8 <sup>th</sup>  | Variable  |
|  | 9 <sup>th</sup>  | Variable  |
|  | 10 <sup>th</sup> | Variable  |
|  | Reverse          | N/A   |
| Differential ratio   | RWD              | 3.615   |
|  | AWD              | 3.916   |
| <b>FUEL CONSUMPTION (WLTP)</b>                               |                  |   |
| Combined – (mpg)   | RWD              | 35.7 – 36.6   |
|  | AWD              | 30.7 – 30.7   |
| Fuel tank capacity (l)                                       |                  | 82  |
| <b>EMISSIONS (WLTP), INSURANCE, SERVICING &amp; WARRANTY</b> |                  |   |
| CO <sub>2</sub> emissions – combined (g/km)                  | LS               | 182   |
|  | LS Premium Pack  | 184– RWD<br>214 - AWD   |
|  | F Sport          | 184   |
|  | Takumi           | 215   |
| Insurance groups   |                  | 50E   |
| 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   |
| <b>SUSPENSION</b>  |                  |   |
| Front  |                  | High-mount multilink  |
| Rear   |                  | High-mount multilink  |

| <b>BRAKES</b>                  |   |
|--------------------------------|---|
| Front                          | Ventilated discs with 6-pot callipers – F Sport<br>Ventilated discs with 4-pot callipers – other grades |
| Rear                           | Ventilated discs with 4-pot callipers – F Sport<br>Ventilated discs with 2-pot callipers – other grades |
| Front disc size (diameter, mm) | 400 – F Sport<br>357 – other grades   |
| Rear disc size (diameter, mm)  | 359 – F Sport<br>335 – other grades   |
| <b>STEERING</b>                |   |
| Type                           | Rack and pinion, electric power steering  |
| Ratio                          | 13.0:1  |
| Turns (lock to lock)           | RWD – 2.9<br>AWD – 2.8  |
| Min. turning radius, tyre (m)  | RWD – 5.7<br>AWD – 6.0  |
| <b>WHEELS &amp; TYRES</b>      |   |
| Wheel sizes                    | 20-inch cast alloy<br>with noise reduction<br>20-inch cast aluminium – F Sport                          |
| Tyre Sizes                     | 245/45RF20<br>245/45RF20 front/275/40RF20 rear – F Sport  |