

RX

SPECIFICATIONS

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| *August 2022. Tentative data, pending homologation* |  | **RX 350** | **RX 350h** | **RX 450h+** | **RX 500h** |
| DIMENSIONS & WEIGHT |   |   |   |   |   |
| Overall  | Length | mm | 4890 |
|   | Width | mm | 1920 |
|   | Height | mm | 1695 |
| Wheelbase | mm | 2850 |
| Track | Front | mm | 1655 |
|   | Rear | mm | 1695 |
| Overhang  | Front | mm | 1080 |
|   | Rear | mm | 960 |
| Hip room  | Front | mm | 1440 |
|   | Rear | mm | 1420 |
| Couple distance | Front to rear | Mm | 1012 |
| Min. Running Ground Clearance | mm | 185  | 183  | 182  | 183  |
| Angle of Approach | Empty | degrees | 15  | 15  | 15  | 15  |
| Angle of Departure | Empty | degrees | 24  | 24  | 24  | 23  |
| Interior  | Length | mm | 2053 |
|   | Width | mm | 1522 |
|   | Height | mm | 1204 |
| Seating capacity |   | pax | 5 |
| Cargo Space | VDA (fully loaded) | litre | 612 |
|   | VDA (under tonneau cover) | litre | 461 |
| Gross Vehicle Weight | Total | kg | 2590 | 2660 | 2780 | 2750 |
|   | Front | kg | 1255 | 1235 | 1330 | 1285 |
|   | Rear | kg | 1335 | 1425 | 1450 | 1465 |
| Curb Mass | Total | kg | 1920 to 2000 | 1965 to 2065 | 2110 to 2240 | 2100 to 2190 |
|   | Front | kg | 1120 to 1160 | 1105 to 1135 | 1200 to 1230 | 1175 to 1185 |
|   | Rear | kg | 800 to 840 | 860 to 960 | 910 to 1010 | 925 to 1005 |
| Towing Capacity | With Brake | kg | 2000 |
|   | Without Brake | kg | 750 |
|   |   |  |  |  |  |  |
| FUEL |   |   |   |   |   |   |
| Fuel Type |   |   | Petrol |
| Recommended Octane Number |   | 95 or more (octane) |
| Fuel Tank Capacity | litre | 67.5 | 65 | 55 | 65 |
|   |   |  |  |  |  |  |

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|  |  |  | **RX 350** | **RX 350h** | **RX 450h+** | **RX 500h** |
| ENGINE |   |   |   |   |   |   |
| No. of Cyls. & Arrangement |   |   | 4-cylinder, In-line |
| Displacement |   | litre | 2.4 | 2.5 | 2.5 | 2.4 |
| Type |   |   | 4-cylinder, In-lineturbocharged | 4-cylinder, In-line | 4-cylinder, In-line | 4-cylinder, In-lineturbocharged |
| Valve Mechanism |   |   | 16-valve DOHC, Chain Drive (with Dual VVT-i)  | 16-valve DOHC, Chain Drive (With VVT-iE and VVT-i) | 16-valve DOHC, Chain Drive (With VVT-iE and VVT-i) | 16-valve DOHC, Chain Drive (with Dual VVT-i)  |
| Bore x Stroke |   | mm | 87.5 x 99.5 | 87.5 x 103.4 | 87.5 x 103.4 | 87.5 x 99.5 |
| Displacement |   | cm2 | 2393 | 2487 | 2487 | 2393 |
| Compression Ratio |   |   | 11.0 : 1 | 14.0 : 1 | 14.0 : 1 | 11.0 : 1 |
| Maximum engine output |   | kW (PS) | 183 (249) | 140 (190) | 136 (185) | 200 (272) |
| Maximum engine torque |   | Nm / rpm | 430 / 1,700-3,600 | 239 / 4,300 - 4,500 | 227 / 3,600 - 3,700 | 460 / 2,000 - 3,000 |
| MOTOR GENERATOR |   |   |   |   |   |   |
| Type | front, rear |  | - | Permanent Magnet Synchronous Motor |
| Maximum output | front | kW (PS) | - | 134 (182) | 134 (182) | 64 (87) |
|   | rear | kW (PS) | - | 40 (54) | 40 (54) | 76 (103) |
| Maximum torque | front | Nm | - | 270 | 270 | 292 |
|   | rear | Nm | - | 121 | 121 | 168.5 |
| HYBRID BATTERY |   |   |   |   |   |   |
| Main battery type |   |   | - | Nickel Metal Hydride | Lithium-ion | Nickel Metal Hydride |
| Battery Capacity (3HR) | Ahr | - | 5.0 | 51 | 5.0 |
| Number of battery cells |  | - | 216 | 96 | 240 |
| Overall voltage | kWh | - | n.a. | 18.1 | n.a. |
| Maximum system output |   | kW (PS) | - | 184 (250) | 227 (309) | 273 (371) |
| Max. system torque\* |   | Nm | n.a. | n.a. | n.a. | 550.8 |
| Fuel Consumption\*\* | WLTP combined (high) | l/100km | 9.6 | 6.6 | 1.2 | 8.3 |
|   | WLTP combined (low) | l/100km | 6.3 | 1.1 | 8.0 |
| CO2 Emissions\*\* | WLTP combined (high) | g/km | 219 | 149 | 26 | 189 |
|   | WLTP combined (low) | g/km | 142 | 24 | 182 |
| *\*For the RX 500h, system torque has been calculated using values comparable to maximum torque values for an internal combustion engine of similar output (in-house measurements). The torque characteristics of the RX 500h are equivalent to a petrol-engine-only vehicle that has a maximum of 550.8 Nm of torque.**\*\* Target, pending homologation. For RX 350, target data for combined NEDC cycle is 8.7 l/100km and 197g CO2/km.* |
|  |  |  |  |  |  |  |
| PERFORMANCE |   |   |   |   |   |   |
| Max. Speed |   | km/h | 200 | 200 | 200 | 210 |
| Acceleration | 0 - 100 km/h | sec | 7.6  | 7.9  | 6.5  | 6.2  |
| Min. Turning Radius | Tyre | m | 5.9  | 5.9  | 5.9  | 5.5  |
|   | Body | m | 6.3  | 6.3  | 6.3  | 5.9  |

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|  |  |  | **RX 350** | **RX 350h** | **RX 450h+** | **RX 500h** |
| DRIVETRAIN |   |   |   |   |   |   |
| Drivetrain type |   |   | AWD | E-four | E-Four | DIRECT4 |
| Transaxle / transmission | Type |   | 8DAT | Hybrid transaxle | Hybrid transaxle | 6DAT |
|   | Gear ratios | 1st | 5.519  | - | - | 4.475  |
|   |  | 2nd | 3.184  | - | - | 2.517  |
|   |  | 3rd | 2.050  | - | - | 1.561  |
|   |  | 4th | 1.491  | - | - | 1.143  |
|   |  | 5th | 1.234  | - | - | 0.851  |
|   |  | 6th | 1.000  | - | - | 0.672  |
|   |  | 7th | 0.800  | - | - | - |
|   |  | 8th | 0.673  | - | - | - |
|   |   | Reverse | 4.220  | - | - | 3.196  |
|   | Final Drive Gear Ratio |   | 3.329  | 3.638  | 3.638  | 3.737  |
| Differential Gear Ratio | Front / rear |   | 3.329 / 2.277 | 3.638 / 10.781 | 3.638 / 10.781 | 3.737 / 10.755 |
| Traction Motor | Motor Reduction Ratio |   | - | 10.781  | 10.781  | 10.755  |
|   |   |  |  |  |  |  |
| SUSPENSIONS |   |   |   |   |   |   |
| Suspension Type | Front |   | MacPherson Strut |
|   | Rear |   | Multi Link |
| Stabilizer Bar | Front |   | TORSION BAR |
|   | Rear |   | TORSION BAR |
|   |   |  |  |  |  |  |
| STEERING SYSTEM |   |   |   |   |   |   |
| Steering Gear Type |   | Rack and Pinion |
| Power Steering Type |   | EPS |
| Steering Overall Gear Ratio |  | 14.4 |
| Lock to Lock |   | 2.76 |
|  |  |  |  |  |  |  |
| BRAKE SYSTEM |   |   |   |   |   |   |
| Brake Type | Front & rear |   | Ventilated Disc |
| Parking Brake Type and Location |   | EPB\_Centre Console Switch |
| Brake Size | Front |   | 18" DISC 28V MID MU, 20" OPPOSED 28V MID MU | 18" DISC 28V MID MU, 18" DISC 38V HI MU | 18" DISC 38V HI MU | 20" OPPOSED 28V MID MU, 20" OPPOSED 28V HI MU |
|   | Rear |   | 18" DISC 18V MID MU | 18" DISC 18V MID MU | 18" DISC 18V MID MU | 18" DISC 18V MID MU |

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