

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-line turbocharged | 4-cylinder, In-line | 4-cylinder, In-line | 4-cylinder, In-line turbocharged | |
| 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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