

# RX SPECIFICATIONS



August 2022. Tentative data, pending homologation

			RX 350h	RX 450h+	RX 500h
<b>DIMENSIONS &amp; WEIGHT</b>					
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	183	182	183
Angle of Approach	Empty	degrees	15	15	15
Angle of Departure	Empty	degrees	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	2660	2780	2750
	Front	kg	1235	1330	1285
	Rear	kg	1425	1450	1465
Curb Mass	Total	kg	1965 to 2065	2110 to 2240	2100 to 2190
	Front	kg	1105 to 1135	1200 to 1230	1175 to 1185
	Rear	kg	860 to 960	910 to 1010	925 to 1005
Towing Capacity	With Brake	kg	2000		
	Without Brake	kg	750		
<b>FUEL</b>					
Fuel Type	Petrol				
Recommended Octane Number	95 or more (octane)				
Fuel Tank Capacity	litre	65	55	65	

		RX 350h	RX 450h+	RX 500h	
<b>ENGINE</b>					
No. of Cyls. & Arrangement		4-cylinder, In-line			
Displacement	litre	2.5	2.5	2.4	
Type		4-cylinder, In-line	4-cylinder, In-line	4-cylinder, In-line turbocharged	
Valve Mechanism		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 103.4	87.5 x 103.4	87.5 x 99.5	
Displacement	cm <sup>3</sup>	2487	2487	2393	
Compression Ratio		14.0 : 1	14.0 : 1	11.0 : 1	
Maximum engine output	kW (PS)	140 (190)	136 (185)	200 (272)	
Maximum engine torque	Nm / rpm	239 / 4,300 - 4,500	227 / 3,600 - 3,700	460 / 2,000 - 3,000	
<b>MOTOR GENERATOR</b>					
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
<b>HYBRID BATTERY</b>					
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.	550.8	
Fuel Consumption**	WLTP combined (high)	l/100km	6.6	1.2	8.3
	WLTP combined (low)	l/100km	6.3	1.1	8.0
CO <sub>2</sub> Emissions**	WLTP combined (high)	g/km	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 CO<sub>2</sub>/km.

<b>PERFORMANCE</b>					
Max. Speed		km/h	200	200	210
Acceleration	0 - 100 km/h	sec	7.9	6.5	6.2
Min. Turning Radius	Tyre	m	5.9	5.9	5.5
	Body	m	6.3	6.3	5.9

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<b>DRIVETRAIN</b>					
Drivetrain type			E-four	E-Four	DIRECT4
Transaxle / transmission	Type		Hybrid transaxle	Hybrid transaxle	6DAT
	Gear ratios	1st	-	-	4475
		2nd	-	-	2517
		3rd	-	-	1561
		4th	-	-	1143
		5th	-	-	0.851
		6th	-	-	0.672
		7th	-	-	-
		8th	-	-	-
		Reverse	-	-	3196
Final Drive Gear Ratio			3638	3638	3737
Differential Gear Ratio	Front / rear		3.638 / 10.781	3.638 / 10.781	3.737 / 10.755
Traction Motor	Motor Reduction Ratio		10781	10781	10755

<b>SUSPENSIONS</b>		
Suspension Type	Front	MacPherson Strut
	Rear	Multi Link
Stabilizer Bar	Front	TORSION BAR
	Rear	TORSION BAR

<b>STEERING SYSTEM</b>	
Steering Gear Type	Rack and Pinion
Power Steering Type	EPS
Steering Overall Gear Ratio	14.4
Lock to Lock	2.76

<b>BRAKE SYSTEM</b>				
Brake Type	Front & rear	Ventilated Disc		
Parking Brake Type and Location		EPB_Centre Console Switch		
Brake Size	Front	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

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