

LEXUS RX TECHNICAL SPECIFICATIONS

ENGINE		RX 350h	RX 450h+	RX 500h
Engine type		4 cylinder in-line	4 cylinder in-line	Turbocharged 4 cylinder in-line
Valve mechanism		16-valve DOHC with VVT-iE & VVT-i	16-valve DOHC with VVT-iE & VVT-i	16-valve DOHC with Dual VVT-i
Displacement (cc)		2,487	2,487	2,393
Bore x stroke (mm)		87.5 x 103.4	87.5 x 103.4	87.5 x 99.5
Compression ratio		14.0:1	14.0:1	11.0:1
Full system power – engine & electric motors (bhp/DIN hp/kW)		247/250/184	304/309/227	366/371/273
Full system torque (Nm)		n/a	n/a	550.8*
Max. engine power (bhp/DIN hp/kW @ rpm)		188/190/140	182/185/136	268/272/200
Max. engine torque (Nm @ rpm)		239 @ 4,300-4,500	227 @ 3,600-3,700	460 @ 2,000-3,000
HYBRID SYSTEM		RX 350h	RX 450h+	RX 500h
Electric motor (front)				
Max. power (bhp/DIN hp/kW)		180/182/134	180/182/134	86/87/64
Max. torque (Nm)		270	270	292
Electric motor (rear)		RX 350h	RX 450h+	RX 500h
Max. power (bhp/DIN hp/kW)		54/54/40	54/54/40	102/103/76
Max. torque (Nm)		121	121	168.5
Hybrid battery		RX 350h	RX 450h+	RX 500h
Type		Nickel-metal hydride	Lithium-ion	Nickel-metal hydride
Capacity (kWh)		n/a	18.1	n/a
Capacity (Ah)		5.0	5.1	5.0
Number of cells		216	96	240
PERFORMANCE		RX 350h	RX 450h+	RX 500h
0-62mph (sec)		7.9	6.5	6.2
Max. speed (mph)		124	124	130
FUEL CONSUMPTION & EMISSIONS		RX 350h	RX 450h+	RX 500h
Combined WLTP fuel consumption (mpg)		42.8-44.8	235.4-256.8	34.0-35.3
Fuel tank capacity (l)		65	55	65
Combined WLTP CO ₂ emissions (g/km)		143-149	25-26	182-189
INSURANCE, SERVICING & WARRANTY		RX 350h	RX 450h+	RX 500h
Insurance groups	Premium	42E	44E	-
	Premium Plus	42E	44E	-
	Takumi	43E	45E	-
	F Sport	-	-	46E

	F Sport Takumi	-	-	
Service intervals		10,000 miles/annually		
Manufacturer's warranty		3 years/60,000 miles		
EXTERIOR DIMENSIONS		RX 350h	RX 450h+	RX 500h
Overall length (mm)		4,890		
Overall width – without mirrors (mm)		1,920		
Overall height (mm)		1,695		
Wheelbase (mm)		2,850		
Track front (mm)		1,655		
Track rear (mm)		1,695		
Overhang front (mm)		1,080		
Overhang rear (mm)		960		
Min, running ground clearance (mm)		183	182	183
Angle of approach (deg)		15		
Angle of departure (deg)		24		
INTERIOR DIMENSIONS		RX 350h	RX 450h+	RX 500h
Interior length (mm)		2,053		
Interior width (mm)		1,522		
Interior height (mm)		1,204		
Couple distance (mm)		1,012		
Seating capacity		5		
Luggage capacity (VDA, litres)	Rear seats up, loaded to tonneau cover	461		
	Rear seats up, loaded to roof	612		
WEIGHTS		RX 350h	RX 450h+	RX 500h
Kerb weight (kg)		1,965 – 2,065	2,110 – 2,240	2,100 – 2,190
Gross vehicle weight (kg)		1,235	1,330	1,285
Towing capacity – braked (kg)		2,000		
Towing capacity – unbraked (kg)		750		
TRANSMISSION		RX 350h	RX 450h+	RX 500h
Type		Hybrid transaxle	Hybrid transaxle	6AT
Drivetrain		E-Four	E-Four	Direct4
Gear ratios	1 st	n/a	n/a	4.475
	2 nd			2.517
	3 rd			1.561
	4 th			1.143
	5 th			0.851
	6 th			0.672
	Reverse			3.196
Differential gear ratio (front/rear)		3.638/10.781	3.638/10.781	3.737/10.755
Final drive ratio		3.638	3.638	3.737
SUSPENSION		RX 350h	RX 450h+	RX 500h
Front		MacPherson strut		
Rear		Multilink		
BRAKES		RX 350h	RX 450h+	RX 500h

Front – diameter x thickness (mm)	Ventilated discs, 340 x 38		Ventilated discs, 400 x 28
Rear- diameter x thickness (mm)	Ventilated discs, 340 x 18		Ventilated discs, 340 x 18
Parking brake	Electric		
STEERING	RX 350h	RX 450h+	RX 500h
Type	Rack and pinion, electric power steering		
Ratio	14.4		
Turns lock-to-lock	2.76		
Min. turning radius (m)	Tyre	5.9	5.5
	Body	6.3	5.9
WHEELS & TYRES	RX 350h	RX 450h+	RX 500h
Wheel sizes	19 x 8J 21 x 8J		21 x 8J
Tyre sizes	235/60R19 235/50R21		235/50R21

*System torque has been calculated using values comparable to maximum torque values for an internal combustion engine of similar output (in-house measurement). The torque characteristics of the RX 500h are equivalent to a petrol-engine-only vehicle that has a maximum 550.8Nm of torque.

These specifications are intended as a guide for media only. Customers should confirm the specification of specific models with their Lexus Centre or at www.lexus.co.uk.