



2021 NX 300h Specifications

EXTERIOR DIMENSIONS		
Wheelbase		104.7 in.
Overall Length		182.3 in.
Overall Width		73.6 in. (mirrors folded) 83.9 in. (mirrors unfolded)
Overall Height (unloaded)		64.8
Tread Width	- Front	62.2 in.
	- Rear	62.2 in.
Ground Clearance		6.7 in.
Approach Angle		28.0 deg.
Departure Angle		25.2 deg.

INTERIOR DIMENSIONS		
Seating Capacity		5
Headroom	- Front	38.2 in. (w/o moonroof) 37.4 in. (w/ moonroof)
	- Rear	38.1 in. (w/o moonroof) 38.1 in. (w/ moonroof)
Legroom	- Front	42.8 in.
	- Rear	36.1 in.
Shoulder Room	- Front	57.3 in.
	- Rear	55.3 in.
Hip Room	- Front	55.1 in.
	- Rear	53.9 in.
Cargo Volume	- Rear seats up	16.8 cu. ft.
	- Rear seats folded down	53.7 cu. ft.

WEIGHTS AND CAPACITIES		
Curb Weight		4,180 lbs.
Gross Vehicle Weight		5,335 lbs.
Max Towing Capacity		1,500 lbs.
Fuel Capacity		14.8 gal.



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ENGINE		
Type, Materials		In-line 4-cylinder aluminum block and heads
Designation		2AR-FXE
Valvetrain		DOHC 16-valve Dual VVT-i
Displacement		2.5 liter in-line 4-cylinder with Atkinson cycle
Bore x Stroke		3.54 in. x 3.86 in. (90.0 mm x 98.0 mm)
Compression Ratio		12.5:1
Horsepower		154 hp @ 5,700 rpm
Fuel System		Electronic Fuel Injection (EFI)
Fuel Requirement		87-octane or higher unleaded
Emission Certification		SULEV
HYBRID POWER SYSTEM		
Type		Series/parallel system with gas engine, high-voltage battery and electric motors
Total System Power		194 hp
Motor Generator 1 (MG1)	- Function	Generator, engine starter, charges hybrid battery
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
Motor Generator 2 (MG2)	- Function	Drives front wheels, regeneration during braking
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
	- Max. output	141 hp (105 kW)
Motor Generator Rear* (MGR)	- Function	Drives rear wheels, regeneration during braking
	- Max voltage/output	AC 650V 67 hp (50kW)
Hybrid Battery Pack Type		Sealed Nickel Metal Hydride (Ni-MH) - 204 cells
Nominal Voltage		244.8V

*AWD model only

DRIVETRAIN	
Layout	Front engine, full-time all-weather drive (AWD)
Transmission Type	Electronically Controlled Continuously Variable Transmission (ECVT); planetary gear unit for gear reduction and power splitting, electronic all-or front-wheel-drive control system
Designation	P314
Differential Ratio	3.542



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CHASSIS AND BODY	
Body/Frame	Unitized steel
Suspension	- Front MacPherson strut, coil springs - Rear Trailing arm type double wishbone type, coil springs
Steering	- Type Electric Power Steering (EPS) - Turns (lock to lock) 2.68 - Turning Radius (wall to wall) 19.9 ft.
Turning Radius (curb to curb)	18.7 ft.
Brakes	- Front - type/diameter Ventilated Disc - Rear - type/diameter Disc
Anti-lock Braking System	4-channel, 4-sensor
Wheel Size/Type	17 x 7.0 in. (standard) 18 x 7.5 in. (stand-alone option, standard on Premium)
Tire Size/Type	225/65R17 (standard) 225/60R18 (optional)
Spare Tire/Wheel	T165/80D17 Compact spare

PERFORMANCE	
0-60 mph Acceleration (mfg. results)	9.1 sec.
Top Track Speed	112 mph - electronically limited
Lexus Estimated Fuel Economy* (City/Hwy/Combined)	33/30/31
Coefficient of Drag (Cd)	0.34

* Actual mileage will vary.