



2020 NX 300 Specifications

Notes: All specs are for both all-weather drive (AWD) and front-wheel drive (FWD) unless otherwise noted.

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. 61.8 in. (w/18" wheels)
	- Rear	62.2 in. 61.8 in. (w/18" wheels)
Ground Clearance	6.9 in.	
Approach Angle	28.7 deg. 16.8 deg. (F SPORT)	
Departure Angle	24.0 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.
Total Interior Volume	71.6 cu. ft. (w/o moonroof) 70.8 cu. ft. (w/ moonroof)	
Cargo Volume	- Rear seats up and rearmost	17.7 cu. ft.
	- Rear seats folded down	54.6 cu. ft.

WEIGHTS AND CAPACITIES		
Curb Weight	3,940 lbs. (FWD)	4,050 lbs. (AWD)
GVWR	5,090 lbs. (FWD)	5,200 lbs. (AWD)
Max Towing Capacity	2,000 lbs.	
Fuel Capacity	15.9 gal.	



2020 NX 300 Specifications

ENGINE	
Type, Materials	In-line 4-cylinder aluminum block and heads
Designation	8AR-FTS
Valvetrain	DOHC 16-valve with Dual VVT-iW
Displacement	2.0 liter twin-scroll turbocharged in-line 4-cylinder with intercooler
Bore x Stroke	3.40 in. x 3.40 in. (86.0 mm x 86.0 mm)
Compression Ratio	10.0:1
Horsepower	235 hp @ 4,800-5,600 rpm
Torque	258 lb.-ft. @ 1,650-4,000 rpm
Fuel System	Electronic Fuel Injection (EFI, D-4ST)
Fuel Requirement	91-octane or higher unleaded
Emission Certification	LEV III ULEV 125

DRIVETRAIN			
Layout	Front engine, full-time all-weather drive (AWD), or front engine, front-wheel drive (FWD)		
Transmission Type	6-speed Multi-Mode Automatic Transmission, Electronically Controlled Transmission with intelligence (ECT-i)		
Designation	U661E	U661F	
Gear Ratios		FWD	AWD
	1 st	3.300	3.300
	2 nd	1.900	1.900
	3 rd	1.420	1.420
	4 th	1.000	1.000
	5 th	0.713	0.713
	6 th	0.608	0.608
	Reverse	4.148	4.148
Differential Ratio	3.888/4.117* (FWD) 3.888/4.117*/ 2.277 (AWD)		

*F SPORT



2020 NX 300 Specifications

CHASSIS AND BODY	
Body/Frame	Unitized steel
Suspension	- Front MacPherson strut, coil springs - Rear Trailing arm double wishbone type, coil springs
Steering - Type	Electric Power Steering (EPS)
	- Turns (lock to lock) 2.68
	- Turning Circle (wall to wall) 19.9 ft.
	- Turning Circle (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 in. (standard) 18 x 7.5 in. (stand-alone option, Premium/Luxury package and F SPORT)
Tire Size/Type	225/65R17 (standard) 225/60R18 (stand-alone option, Premium/Luxury package and F SPORT all-season tire) 235/55R18 (F SPORT summer tire)
Spare Tire/Wheel	T165/80D17 Compact spare

PERFORMANCE	
0-60 mph Acceleration (mfg. results)	7.0 sec. (AWD) 7.2 sec. (FWD)
Top Track Speed	124 mph - electronically limited
Lexus Estimated Fuel Economy* (City/Hwy/Combined)	22/28/24 (AWD) 22/28/25 (FWD) 22/27/24 (AWD F SPORT)
Coefficient of Drag (Cd)	0.34

* Actual mileage will vary.

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		28.7 deg.
Departure Angle		24.5 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.
Total Interior Volume		71.6 cu. ft. (w/o moonroof) 70.8 (w/moonroof)
Cargo Volume	- Rear seats up and rearmost	16.8 cu. ft.
	- Rear seats folded down	53.7 cu. ft.

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



2020 NX 300 Specifications

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	
Torque	152 lb.-ft. @ 4,400 rpm	
Fuel System	Electronic Fuel Injection	
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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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 Circle (wall to wall) 19.9 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.