

2021 INFINITI QX80

Technical specifications

ENGINE		QX80 5.6-liter V8
Type		VK56VD DOHC 32-valve
Orientation		Longitudinal
Cylinders / configuration		V8
Block / head composition		Aluminum / aluminum
Displacement (liters / cc)		5.6 liters / 5552 cc
Horsepower		400 hp @ 5,800 rpm
Torque		413 lb-ft @ 4,000 rpm
Bore x stroke (mm)		98 x 92
Compression ratio (:1)		11.2:1
Maximum engine speed		6000 rpm
Induction system		Naturally aspirated
Valvetrain		4 valves per cylinder, Continuous Variable Valve Timing Control System (CVTCS)
Mounts	Front Side Rear	1 electronically controlled liquid-filled 2 solid 1 solid
Fuel delivery system		Direct Injection Gasoline (DIG™)
Recommended fuel		Premium unleaded
Emissions system		Closed feedback system with 4 catalysts
Emissions certification level		Tier 2-Bin5 (EPA) / LEV2-LEV(CARB)
Exhaust		Single system with stainless steel

DRIVETRAIN		QX80 5.6-liter V8
Drive configuration		Rear wheel drive (RWD) INFINITI All-Mode® 4WD
Transmission type		7-speed automatic transmission with overdrive
Gear ratios	1 st	4.887
	2 nd	3.17
	3 rd	2.027
	4 th	1.412
	5 th	1
	6 th	0.864
	7 th	0.775
	Rev.	4.041
Final drive ratio (:1)		2.937
Final drive ratio for towing (:1)		2.937

BODY, SUSPENSION, STEERING		QX80 5.6-liter V8
Body type		Body on frame
Front suspension		Double wishbone
Rear suspension		Double wishbone
Steering type		Engine speed variable assist Vehicle speed variable assist (optional on SENSORY grade)

Steering ratio	Fixed ratio (:1): 19
Turns (lock-to-lock)	3.5
Turning diameter (feet/meters)	Curb-to-curb: 41.3/12.6 Wall-to-wall: 43.3/13.2

BRAKES	QX80 5.6-liter V8
Front type	Ventilated disc
Rear type	Ventilated disc
Front size (diameter x thickness) (inches / millimeters)	13.78 x 1.18 / 350 x 30
Rear size: (diameter x thickness) (inches / millimeters)	13.78 x 0.79 / 350 x 20
2-piston front / 1-piston rear calipers	S
Electronic Brake force Distribution	S
Brake Assist with Preview Braking Function	S
4-wheel / 4-channel / 4-sensor Anti- lock Braking System (ABS)	S
Parking brake (mechanical)	Foot-operated

WHEELS AND TIRES		LUXE	PREMIUM SELECT	SENSORY
Wheels				
Aluminum-alloy	20"x8"	S		
Forged aluminum-alloy	22"x8"		S	S
Tires				
All-season	P275/60R20	S		
All-season	P275/50R22		S	S
Spare tire	P275/60R20	S	S	S
Spare wheel	Full-size temporary 20"	S		
	Temporary 20"		S	S

EXTERIOR DIMENSIONS	
Wheelbase (in./mm)	121.1 / 3075
Overall length (in./mm)	210.2 / 5340
Overall width (in./mm)	79.9 / 2030
Overall height (includes roof rails) (in./mm)	75.8 / 1925
Front track width (in./mm)	67.5 / 1715
Rear track width (in./mm)	67.9 / 1725
Coefficient of Drag (Cd) includes roof rails	0.367
Coefficient of Drag (Cd) with roof rail crossbars	0.367
Ground clearance (in./mm)	9.2 / 234
Angle of Approach (degrees)	20.9 (EPA)
Angle of Departure (degrees)	22.3 (EPA)
Ramp Angle (degrees)	20.7 (EPA)

INTERIOR DIMENSIONS	Front	Rear (2nd row)	Rear (3rd row)
Headroom (in. /mm)	39.9 / 1012.7	40.0 / 1015.2	36.8 / 934.7
Shoulder room (in. /mm)	63.8 / 1620.0	63.5 / 1611.6	60.5 / 1537.0
Hip room (in. /mm)	59.2 / 1503.4	58.4 / 1482.6	48.8 / 1240.0
Legroom (in. /mm)	39.6 / 1005.8	41.0 / 1041.4	28.8 / 731.1

Knee room (in. /mm)	25.5 / 648.6	28.4 / 721.0	19.7 / 499.5
---------------------	--------------	--------------	--------------

CAPACITIES	
Seating capacity	7 (8 optional)
Total passenger volume (cu ft/liters)	152.5 / 4319.1
Cargo / trunk volume (cu ft/liters)	
2nd-row upright, 3rd-row upright	16.6 / 470.1
2nd-row upright, 3rd seat folded flat	49.6 / 1404.6
2nd-row folded, 3rd seat folded flat with 2nd-row captain's chairs/center console	95.1 / 2693.7
with 2nd-row bench seat	95.1 / 2693.7
Fuel tank (gals/liters)	26.0 / 98.3
Engine oil (qts/liters)	6.9 / 6.5
Engine coolant (qts/liters)	17.2 / 16.3

CURB WEIGHTS (lb./ kg.)	LUXE	PREMIUM SELECT	SENSORY
Front	2885 / 1309	2901 / 1316	2967 / 1346
Rear	2793 / 1267	2805 / 1272	2846 / 1291
Total	5678 / 2575	5706 / 2588	5813 / 2637
GVWR	7300 / 3311	7300 / 3311	7300 / 3311
Weight distribution % (front/rear)	51 / 49		

EPA MILEAGE ESTIMATES (Actual mileage may vary)	LUXE	PREMIUM SELECT	SENSORY
City 2WD/4WD	14/13	14/13	14/13
Highway 2WD/4WD	20/19	20/19	20/19
Combined 2WD/4WD	16/15	16/15	16/15
EPA Classification	Sport Utility Vehicle		