

1997 Infiniti QX4 - Overview



The all-new QX4 offers a unique combination of style, strength and advanced engineering, including the exceptional performance of its advanced All-Mode 4WD™ system, at a price targeted at under \$40,000.

And, as befitting an Infiniti, the QX4 comes fully equipped with leather-appointed interior, Bose® audio system, wood-tone trim and other luxury accoutrements, as well as 16-inch alloy wheels, integrated side step rails, V6 engine, ABS, dual air bags and the unmatched level of customer service and support known as The Total Ownership Experience®.

"The new QX4 is absolutely the right vehicle for today's growing sport utility marketplace," said Tom Eastwood, vice president, Infiniti Division. "It offers the luxury appointments that our customers demand, along with the versatility and durability of a state-of-the-art sport utility. With its unique styling, sophisticated All-Mode 4WD and long list of standard features for under \$40,000, the QX4 instantly makes Infiniti the new benchmark in the LSUV segment."

And while the majority of current sport utility vehicles have evolved from truck platforms, the new QX4 was conceived and created as a true luxury vehicle -- with the ride, feel, features and performance of an Infiniti, yet with the added versatility and all-season/all-terrain security of a next generation SUV.

Key to the design of the QX4 is the combination of "refined but strong" systems, including MonoFrame™ body construction (which draws from both unibody automotive design and body-on-frame truck design to produce a hybrid that combines the best elements of both), laser-etched Durasteel® body, comfortable riding strut front suspension, 16-inch all-season radial tires on stylish alloy wheels, its high-performance sports coupe-derived All-Mode 4WD system and styling that is sculpted as if from one seamless piece to appear sporty, purposeful and luxurious.

"The QX4 designers set out not only to build an exceptional sport utility vehicle, but to create a classic luxury vehicle," said Eastwood. "A few minutes behind the wheel will convince you they did just that."

Design/Styling

Using exterior appearance as a key differentiator in the growing LSUV segment, the designers focused on imparting a strong sense of style and quality in the look of the new QX4. Targeting a look that would be "rich and personal," they started with a simple,

original shape of the front with a sculpted hood, solid front grille with distinctive center bar, wide lower grille openings and large, integrated fog lights.

Functional and aggressively styled wide front fender flares, covering the QX4's lightweight, polished three-spoke alloy wheels, blend into standard integrated side step rails. Energy-absorbing, body-color cladding gives an added sense of strength to the bodyside, while a large greenhouse provides a visual openness -- whether viewed from inside or out. The wide rear fender flares sweep into a large rear bumper (with a textured step surface that matches the side step rails) -- concealing the underbody-mounted full-size alloy wheel and spare tire. The sculpted rear tailgate features taillights that are integrated into the body panels.

Other QX4 exterior details include a "water management" deep channel windshield like that used on the new Q45 sedan, aircraft-design doors with a tight fit to reduce interior wind noise, durable 3-coat/3-bake paint and a standard roof-mounted luggage rack.

Interior/Comfort

Where the visual statements made in the exterior design of the QX4 are bold and intended to encompass both a sense of luxury and sportiness -- the QX4 interior is awash in elegance and luxury.

From the standard leather seating surfaces and wood-tone trim to the six-speaker Bose® audio system with AM/FM/cassette/CD-player, driver and passengers alike are surrounded by the classic conveniences associated with luxury sedans.

Extra attention was given to the seating, which includes an 8-way power driver's seat with 2-way manual lumbar support and a 4-way power front passenger's seat. The rear seat is a 60/40 split fold-down design with fold-down center armrest, an elevated seat base to enhance the forward view from the rear seat and reclining seat backs to enhance comfort. The QX4's seating surfaces are covered by the same high-quality leather that is used in the flagship Q45 and I30 luxury sedans.

Built into the driver's side sun visor is the Integrated HomeLink™ Transmitter for remote opening of garage doors and gates. Power windows and door locks are also standard, along with an advanced 6-way keyless remote entry system, digital automatic temperature control with CFC-free air conditioning, cruise control, front and rear dual cup holders, and front and rear 12-volt power outlets.

Engine and Chassis

The QX4 is powered by a 3.3-liter SOHC 12-valve V6 engine that produces 168 horsepower at 4,800 rpm and 196 ft-lbs of torque at 2,800 rpm. Over 90 percent of the engine's torque is available in the 1,500 - 1,800 rpm range -- providing exceptional power for low speed off-road driving and maintained power at higher engine speeds for throttle response while accelerating, towing or cruising over long distances.

The QX4's engine utilizes the SOFIS (Sophisticated Optimized Fuel Injection System). This sequential multi-point fuel injection system optimizes the air/fuel mixture under all driving conditions by sensing and correcting fuel flow delays inside the intake ports. The

result is better fuel economy, more power and lower emissions output than that of comparable engines equipped with conventional fuel injection systems.

To provide a stable platform, reduced noise and vibration, improved ride and handling and improved body fit, the QX4 is built with rigid MonoFrame construction. This technique reduces weight and improves space efficiency while also being considerably more resistant to torsional and bending stresses than conventional body-on-frame SUV designs.

The QX4's advanced suspension offers the best of both on-road comfort and off-road durability. The front independent strut design provides exceptional driving feel and stability, along with a tight turning radius (important for both parking and off-road trail running) and a long stroke for exceptional suspension travel -- which helps each wheel maintain contact with the ground over uneven terrain (which in turn minimizes wheel spin and enhances stability and traction).

The refined 5-link coil spring rear suspension provides long suspension travel, stability and control of body roll, along with reduced noise and vibration. Stabilizer bars are featured front and rear for improved handling and driver control, while power-assisted rack-and-pinion steering provides precise control and driver feedback.

The QX4 also features an advanced 4-wheel anti-lock braking system (ABS) with a special G-sensor which measures the deceleration rate of the vehicle and interacts with the ABS control unit to help ensure that ABS does not interfere with braking during low-speed, extreme angle off-road maneuvers. In addition to the ABS system's logic control unit, the All-Mode 4WD control unit communicates with the ABS computer, allowing the two systems to cooperate -- further enhancing traction and performance.

A limited-slip rear differential, which helps provide enhanced performance on slippery or uneven traction surfaces and during hard cornering is available as an option.

Safety and Security

The QX4 is designed to provide outstanding occupant safety with a long list of standard equipment, including dual air bags, adjustable front shoulder belt anchors, 3-point rear outboard passenger seat belts, energy-absorbing steering column, child-safety rear door locks and keyless remote entry and vehicle security system.

Additional driving confidence is gained with an extensive list of "designed in" safety features including: front- and rear body structure crumple zones; hood buckling creases with safety stops (to help avoid intrusion into the passenger compartment); and special "outrigger" box-section bodyside reinforcements.

Model Availability/Total Ownership Experience

The new Infiniti QX4 comes fully equipped to meet even the most discerning luxury tastes. Only three options are available: power operated tinted glass sunroof with tilt feature, heated front seats (requires sunroof), and a Premium Sport Package, which includes both of the above options plus a limited-slip rear differential (LSD).

And, like all Infiniti models, including the flagship Q45 luxury sedan, J30 personal luxury

sedan and the I30 luxury sedan, the new QX4 comes with the peace of mind provided by The Total Ownership Experience (TOE).

Beginning with the relaxed, pleasurable atmosphere found at a network of more than 145 Infiniti dealerships and extending to Infiniti's industry-leading warranty and ownership programs, TOE includes a new 30-day price assurance policy, free 48-month, 24-hour roadside assistance program, a free Infiniti loan car with scheduled service/warranty appointments and expedited parts via a satellite parts network.

1997 Infiniti QX4 Specifications & Features

ENGINE	Type	VG33E SOHC 12-valve V6, cast iron block, aluminum heads
	Displacement	3.3-liter
	Horsepower (SAE net)	168 hp @ 4,800 rpm
	Torque (SAE net)	196 ft-lbs @ 2,800 rpm
	Bore & Stroke (in.)	91.5 x 83
	Compression Ratio	8.9:1
	Induction System	Electronic sequential multi-point fuel injection system
	Valvetrain	SOHC 2-valves-per-cylinder, hydraulic valve lifters
	Recommended Fuel	Regular unleaded
	Emissions System	3-way catalytic converter and exhaust-gas recirculation
	Maximum Engine Speed	5,800 rpm
	DRIVETRAIN	Drive Configuration
Transmission Type		Electronically controlled 4-speed automatic
Gear Ratios (:1)		2.785
1st		
2nd		1.545
3rd		1.000
4th		0.694
Reverse		2.272
Final Drive Ratio (:1)		4.636
Differential		
Front:		Conventional
Rear:		Limited-Slip Differential (LSD) - optional
Transfer Gear Ratio		

	(:1)	2.596
BODY/ CHASSIS/ SUSPENSION	Body Type	Monoframe™ construction with DURASTEEL®
	Front Suspension	Independent front strut suspension with 27.0 mm stabilizer bar
	Rear Suspension	5-link coil-spring rear suspension with 16.0 mm stabilizer bar
STEERING & BRAKING	Steering Type	Engine-speed sensitive, power-assisted rack-and-pinion steering
	Steering Ratio	18.7:1
	Turning Circle (curb-to-curb)	37.4
	Turns (lock-to-lock)	3.1
	Braking System	
	Front:	Power assisted 10.9-inch vented discs
	Rear:	Power assisted 11.7-inch auto-adjusting drums Standard 3-channel/4-sensor anti-lock braking system (ABS)
ELECTRICAL	Ignition System	Electronic
	Alternator	90 amp
	Battery	Low-maintenance 12-volt
WHEELS & TIRES	Wheel Type	Aluminum-alloy
	Wheel Size/Offset	7.0JJ x 16 mm
	Tire Type	All-season radial
	Tire Size	P245/70R16
EXTERIOR DIMENSIONS	Wheelbase (in.)	106.3
	Overall Length (in.)	183.9
	Overall Width (in.)	72.4
	Overall Height (in.)	70.7 (w/ cross bar)
	Step-in Height (in.)	
	Front	18.2
	Rear	19.1
	Tread Width (front/rear) (in.)	59.8/60.0
	Min. Ground Clearance (in.)	8.3
	Angle of Approach (degrees)	32.9
	Angle of Departure	

	(degrees)	28.0	
	Coefficient of Drag (Cd)	.48	
INTERIOR DIMENSIONS		Front Row	Second Row
	Head Room (in.)	39.5; 38.1 w/ sunroof	37.5
	Shoulder Room (in.)	56.6	56.4
	Hip Room (in.)	54.1	51.5
	Leg Room (in.)	41.7	31.8
WEIGHTS & CAPACITIES	Seating	5	
	Passenger Comp. Vol. (cu. ft.)	92.9	
	Cargo Volume (cu. ft.)	38.0 (85.0 w/ rear seat folded down)	
	Fuel Tank (gal.)	21.1	
	Engine Coolant (qts.)	11.9 with reservoir	
	Oil (qts.) w/ filter	3.9	
	Max. Towing (lbs.)	5,000	
	Curb Weight (lbs.)	4,275	
	GVWR (lbs.)	5,150	
	Cargo Dimensions (in.) (LxWxH)	32.7 x 56.4 x 35.6	
	Weight Distribution (F/R %)	N/A	
FUEL ECONOMY*	Highway/City - 4-spd. auto. (mpg)	19/15	
	EPA Classification	Special Purpose Vehicles	
PERFORMANCE	Maximum Speed		
		M/T	110 mph**
		A/T	110 mph**
		Acceleration 0-60 mph (seconds)	11.2 seconds**

* EPA estimate for comparison only, actual mileage may vary

** Manufacturer's estimate

Features and Options	
	QX4
MECHANICAL	
3.3-liter SOHC 12-valve V6 engine	S
Sequential multi-point fuel injection system with SOFIS	S

Electronically-controlled 4-speed automatic overdrive transmission	S
All-Mode 4WD [®] System	S
Power-assisted engine speed-sensitive rack-and-pinion steering	S
Power vented front disc/rear drum brakes	S
Independent front strut suspension with stabilizer bar	S
5-link coil-spring rear suspension with stabilizer bar	S
4-wheel anti-lock braking system (ABS)	S
EXTERIOR	
P245/70R16 all-season radial tires	S
16-inch aluminum-alloy wheels	S
Flush-mounted halogen headlights	S
Projector-type fog lamps	S
Green-tinted windshield and front door glass	S
B-pillar rearview mirror privacy glass	S
Dual power, body color, heated outside mirrors	S
Body-color side cladding with continuous integrated fender flares	S
Front and rear splash guards	S
Body-color front and rear bumpers	S
Body-color step rail with step inserts	S
Roof-mounted luggage rack	S
Body-color door handles	S
Rear center high-mount stoplight	S
Liftgate with opening glass hatch	S
Fuel tank skid plates	S
INTERIOR/SEATING AND TRIM	
8-way power front driver's seat	S
4-way power front passenger's seat	S
60/40 split fold-down rear seat with reclining seatbacks	S
Fold-down rear seat center armrest	S
Leather seating surfaces	S
Door armrest storage (all doors)	S
Front seat back pockets	S
Front and rear large door pockets	S
Front and rear carpeted floor mats	S
Simulated leather upper door trim	S
Carpeted lower door trim	S
Leather-wrapped steering wheel, parking brake, shift lever and transfer case knobs	S

COMFORT AND CONVENIENCE	
CFC-free air conditioning	S
Automatic temperature control (ATC)	S
Power windows with driver-side one-touch auto-down feature	S
Remote fuel-filler door release and electric glass hatch release	S
Cruise control with steering-wheel-mounted controls	S
Manual tilt steering column	S
Four 20-ounce cupholders (2 front/2 rear)	S
Rear 12-volt direct current outlet	S
Retractable cargo area cover	S
2-speed variable intermittent windshield wipers	S
Liftgate window intermittent wiper	S
Rear window defroster with timer	S
Side-window demister	S
Roof mounted overhead console with ambient temperature display, electronic compass, map lights and sunglass storage	S
Interior lamps -- dome, cargo area and front ashtray	S
Dual illuminated visor vanity mirrors	S
Center console with integrated armrest, dual level storage area and simulated leather covered lid	S
Lockable glove compartment	S
Rear cargo area convenience net	S
Cargo area concealed storage bin	S
Cargo area under floor mini storage box	S
Keyless remote entry and vehicle security system	S
INSTRUMENTATION	
Analog speedometer and tachometer	S
Coolant temperature sensor	S
Resettable trip odometer	S
Low fuel and door-ajar-warning lights	S
4WD warning lamp and All-Mode indicator	S
AUDIO SYSTEM	
150 watt, 6-speaker BoseÆ audio system with in-dash CD and cassette with integrated clock	S
In-glass diversity antenna system	S
SAFETY AND SECURITY	
Dual air bags (SRS)	S
3-point manual front seat belts (passenger-side ALR/ELR) with height-adjustable front shoulder belts	S

3-point rear (outboard) seat belts (ALR/ELR) with center 2-point lap belt	S
Front and rear adjustable outboard head restraints	S
Child safety rear door locks	S
Energy-absorbing tilt steering column	S
Front and rear body structure crumple zones	S
4-wheel anti-lock braking system (ABS)	S
Keyless remote entry and vehicle security system	S
Steel side-door guard beams (meets the 1998 Dynamic Side-Impact Standard)	S
FACTORY OPTIONS AND PACKAGES	
Power sliding tinted glass sunroof with tilt feature and sliding sunshade	O
Heated driver's and front-passenger's seats (requires sunroof)	O
Premium Sport Package - power sliding tinted glass sunroof with tilt feature and sliding sunshade, heated driver's and front-passenger's seats and limited-slip differential (LSD)	O

DEALER-INSTALLED ACCESSORIES

CD autochanger (6-disc), battery warmer, bike rack / bike attachment (roof and hitch mount), car cover, cargo area protector, cargo carrier (soft), cargo organizer, engine block heater, gold badging, hood bug deflector, nose mask, rear window wind deflector, ski rack attachment (roof mount), sunroof wind deflector, towing accessories (CL. III reciever hitch & tow harness conn. kit), wheel locks

S	Standard Equipment
O	Optional Equipment