

2012 Infiniti QX56

Technical Specifications, Features and Options

Source of Production: Nissan Motor Co., Ltd.

Assembly Plant Location: Kyushu, Japan

ENGINE	
Type	VK56VD
Orientation	Longitudinally-mounted
Cylinders / configuration	V8
Block / head composition	Aluminum / aluminum
Displacement	5.6 liters
Horsepower	400 @ 5,800 rpm
Torque	413 lb-ft @ 4,000 rpm
Bore x stroke (mm)	98 x 92
Compression ratio (:1)	10.8
Maximum engine speed	6,000 rpm
Induction system	Naturally aspirated
Valvetrain	DOHC 32-valve; silent chain, single stage
Fuel delivery system	Direct Injection Gasoline (DIG™)
Mounts	2 solid (side), 1 solid (rear)
Recommended fuel	Premium unleaded
Emission certification level	Tier2-Bin 5 / LEV2-LEV
Exhaust	Single exit/main and secondary mufflers

ELECTRICAL	
Electronic ignition system	S
Starter rating	12 volt
150 amp alternator	
Battery	Amp-hour rating; 82Ah
Trailer towing – 7 pin trailer harness plug with connector	S

TRANSMISSION AND DRIVE SYSTEM		2WD	4WD
Drive configuration		2WD	4WD
Transmission type		Automatic; 7-speed with manual shift mode, Adaptive Shift Control, Downshift Rev Matching (DRM)	
Automatic transmission oil cooler		S	
Gear ratios (:1)			
	1st	4.887	
	2nd	3.170	
	3rd	2.027	
	4th	1.412	
	5th	1.000	
	6th	0.864	
	7th	0.775	
Transfer case / crawl ratios			
Axle		-	TBD
4WD high		-	1.0
4WD low		-	2.7
Crawl ratio: 1st		-	38.5
Crawl ratio: 2nd		-	24.9
Crawl ratio: reverse		-	31.8

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Final drive ratio (:1)	2.937	
Vehicle Dynamic Control (VDC)	S	
Traction Control System (TCS)	S	
2- or 4-wheel active brake limited slip (ABLS)	S (2-wheel)	S (4-wheel)
Snow-mode function	S	
Hill Start Assist	S	
Tow Mode function	S	

BODY/CHASSIS	
Body type	Body-on-frame
Primary materials	Corrosion-resistant and high-strength steel
Class IV trailer hitch	S
Skid plate	Radiator S

BRAKES	
Front: Vented disc 13.78 x 1.18 in.	S
Rear: Vented disc 13.78 x 0.79 in.	
4-wheel disc brakes	
4-wheel Anti-lock Braking System (ABS) 4 channels/4 sensors	
Brake Assist (BA)	
Electronic Brake force Distribution (EBD)	

SUSPENSION AND STEERING	
Front suspension	Double-wishbone
Front stabilizer bar (vehicles without Hydraulic Body Motion Control system)	S
Rear suspension	Double-wishbone
Rear stabilizer bar (vehicles without Hydraulic Body Motion Control system)	S
Auto leveling rear suspension	S
Hydraulic Body Motion Control system	O (deletes stabilizer bars)
Dual-Flow Path [®] twin-tube shock absorbers	S
Steering type	Rack-and-pinion
Power-assist	Engine speed-sensitive
Steering ratio (:1)	19.7
Turns (lock-to-lock)	3.5
Turning diameter (curb-to-curb)	41.6 ft

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WHEELS AND TIRES	
Wheels	
20 x 8.0-inch forked 7-spoke aluminum-alloy wheels	S
22 x 8.0-inch 9-spoke forged aluminum-alloy wheels	O
Tires	
P275/60R20 all-season tires	S
P275/50R22 all-season tires	O
Full-Size spare tire and alloy wheel	S
Location	Behind rear axle
Tire Pressure Monitoring System (direct sensor type) with Tire Inflation Indicator	S

EXTERIOR DIMENSIONS (inches)	
Wheelbase	121.1
Overall length	208.3
Overall width	79.9
Overall height w/ roof rack	75.8
Front track width	67.5
Rear track width	67.9
Angle of approach (degrees)	20.9
Angle of departure (degrees)	22.3
Ramp angle (degrees)	20.7
Ground clearance (inches)	9.2
Step in height – 1 st row	22.4
Step in height – 2 nd row	22.8

EXTERIOR FEATURES AND OPTIONS	
Body color front and rear bumpers, center section	S
Chrome grille, door handles and window moldings	S
Headlights	Automatic on/off High Intensity Discharge (HID) bi-functional xenon
	Fog lights (front fascia mounted)
	Windshield Wiper Interlock
	Adaptive Front lighting System (AFS) w/auto-leveling headlights
	Headlight washers
Glass	Windshield
	Driver and front passenger windows
	Rear door glass
	Rear quarter windows
	Rear liftgate
Wipers	Front windshield
	Rear liftgate

UV-reducing, noise-insulated
 UV-reducing, noise-insulated
 Dark privacy glass
 Dark privacy glass
 Dark privacy glass

Rain-sensing, variable intermittent
 Intermittent with washer

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Outside mirrors	Power folding	S
	Heated	S
	Power adjust	S
	Reverse tilt-down feature	S
	Integrated turn signals	S
	Courtesy lamps	S
Body-color running boards with integrated front and rear body-color splash guards		S
Roof rack	Side rails	S
	Cross bars	Accessory
Power sliding tinted glass moonroof with one-touch open/close		S
Power rear liftgate		S

INTERIOR DIMENSIONS (inches)	
First row	
Head room with sunroof	39.9
Shoulder room	63.8
Hip room	59.2
Leg room	39.6
Second row	
Head room	40.0
Shoulder room	63.5
Hip room	58.4
Leg room	41.0
Third row	
Head room	36.8
Shoulder room	60.5
Hip room	48.8
Leg room	28.8

INTERIOR FEATURES AND OPTIONS	
10-way power driver's seat, including 2-way power lumbar support	S
8-way power passenger's seat, including 2-way power lumbar support	S
Leather-appointed seats	S
Semi-aniline leather-appointed seats	O
Driver and front passenger Active Head Restraints	S
Dual occupant memory for driver's seat, steering wheel and outside mirrors, linked to individual Intelligent Keys	S
Entry/exit assist for driver's seat and steering wheel	S
Heated front row seats	S
2 nd row captain's chairs with tip-up easy entry for 3 rd row	S
Remote tip-up 2 nd row seats for easy 3 rd row entry/exit	O
Heated 2 nd row seats (outboard)	O

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Fold-flat 2 nd and 3 rd row seats	S
Driver and front passenger seat back pockets	S
Power 60/40-split fold-flat and reclining 3 rd row bench seat	S
9 cupholders and 4 bottle holders	S
12V power points: 2 I/P mounted, 1 in rear of front center console, 1 in cargo-area luggage trim panel	S
120V outlet in rear of front center console	O
Steering wheel: 4-spoke leather-wrapped w/ illuminated cruise control and audio switches, power tilt and telescopic adjustment; heated	S

INSTRUMENTATION	
Fine Vision electroluminescent meter gauges	S
Speedometer	
Tachometer	
Engine temperature	
Oil pressure	
Voltage	
Tire pressure warning	
Shift position indicator	
Tire pressure display in vehicle info screen	
4WD indicator/warning	S on 4WD

AUDIO SYSTEM	
Bose [®] , 13-speaker Premium Audio System, including two subwoofers, AM/FM radio, single in-dash CD/DVD player with MP3 playback capability, Radio Data System (RDS) and speed-sensitive volume control	S
Bose [®] Cabin Surround [®] Sound System with digital 5.1 decoding and 15 speakers	O
Streaming Audio via Bluetooth [®] wireless technology	S
USB connection port for iPod [®] interface and other compatible devices	S
XM [®] Satellite Radio	S
Auxiliary audio/video input jacks in front console	S
Illuminated steering wheel	S
Audio controls: Cruise control	
Antennas In-glass audio and diversity Body-color satellite radio	S
Theater Package with dual 7.0-inch color monitors, 2 sets of wireless headphones, remote control, auxiliary audio/video input jacks, 120V power outlet	O

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COMFORT AND CONVENIENCE FEATURES	
Power windows with one-touch auto/up down with auto-reverse feature	S
Power door locks with illuminated switches, with anti-lockout feature and automatic locking	
Remote keyless entry – operates locks, windows, rear liftgate	
Tri-Zone Automatic Temperature Control system with microfilter	
Mild-flow vent located on upper instrument panel, rear seat heater ducts under front seats	
Bluetooth® Hands-free Phone System	
Power tilt and telescopic steering column	
Front center console with adjustable armrest, storage compartment and 12-volt outlet	
2 nd row center console armrest with two storage compartments	
Auto-dimming rearview mirror with HomeLink® Universal Transceiver	
Sequential welcome lighting illuminated entry system and ambient light	
Fine Vision electroluminescent gauges	
Infiniti Controller, 8-inch color touch-screen display	
Infiniti analog clock	
Infiniti Intelligent Key with illuminated Push Button Ignition	
Cruise control with steering wheel-mounted switches	
Infiniti Hard Drive Navigation System with Lane Guidance and 3D building graphics	
Infiniti Voice Recognition for audio, navigation and vehicle information systems	
XM NavTraffic® with Real-Time Traffic Information	
XM NavWeather™ with Real-Time Weather and 3-day forecast	
Zagat Survey® Restaurant Guide	
Around View™ Monitor with Front and Rear Sonar System	
Advanced Climate Control System (ACCS) with auto recirculation, Plasmacluster™ air purifier, Grape Polyphenol filter	O
Intelligent Cruise Control (Full-Speed Range)	O
Distance Control Assist (DCA)	O

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CAPACITIES	
Seating capacity	7 - with 2 nd row captain chairs 8 - with optional 2 nd row bench seat
Total interior volume – pass. plus cargo (cu. ft.)	167.9
Cargo volume – behind 3 rd row (cu. ft.)	16.6
Fuel tank (gals.)	26.0
Engine oil (qts.)	8.0
Engine coolant (qts.)	15.6
Maximum towing capacity (lbs.)	8,500
Maximum tongue weight (lbs.)	850

CURB WEIGHTS		2WD	4WD
Curb weight (lbs.)	Front	2,835	3,035
	Rear	2,760	2,820
	Total	5,595	5,855
Weight distribution		51/49	52/48
GVWR (lbs.)		7,300	7,500

EPA MILEAGE ESTIMATES (actual mileage may vary)	2WD	4WD
City	14	14
Highway	20	20
Combined	16	16
EPA Size Class	SUV	

SAFETY AND SECURITY FEATURES	
Infiniti Advanced Air Bag System (AABS) dual-stage supplemental front air bags with seat belt and occupant classification sensors	S
Driver and front passenger seat-mounted side-impact supplemental air bags (SRS)	
Roof-mounted curtain side impact supplemental air bags with rollover sensor for outboard occupant head protection for all three rows	
Front seatbelt pretensioners and load limiters	
Vehicle Dynamic Control (VDC) with Traction Control System (TCS)	
Front seat Active Head Restraints	
Tire Pressure Monitoring System (TPMS) with individual tire pressure display and Tire Inflation Indicator	
LATCH System (Lower Anchors and Tethers for CHildren) (outboard positions only for vehicles with Optional 2 nd Row Bench Seat)	
Power door locks with automatic locking system and child safety rear door locks	
Infiniti Vehicle Immobilizer System	
Vehicle Security System	
Auto Hazard Warning Signal	

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SAFETY AND SECURITY FEATURES, Cont.	
Energy-absorbing steering column	S
Zone Body construction w/ front and rear crumple zones	
Hood-buckling creases	
Knee bolsters	
Shift interlock system	
Body side reinforcements	
Intelligent Brake Assist (IBA) with Forward Collision Warning (FCW)	O
Blind Spot Warning (BSW)	O
Lane Departure Warning (LDW) and Lane Departure Prevention (LDP)	O
Front Pre-Crash Seat Belts	O

PACKAGES AND OPTIONS	
Theater Package: Dual 7-inch color monitors, two wireless headphones, wireless remote control, auxiliary audio/video input jacks, 120V power outlet, heated 2 nd row seats (outboard only), remote tip-up 2 nd row seats for easy 3 rd row entry/exit	O
Tire and Wheel Package: 22x8.9-inch 9-spoke forged aluminum-alloy wheels, P275/50R22 all-season tires	O (requires Theater Package)
Split Bench Seat Package: 2 nd row split bench seat with 60/40-split folding (deletes 2 nd row Captain's Chairs and 2 nd row center console)	O (requires Theater Package)
Deluxe Touring Package: Bose® Cabin Surround® Sound System with digital 5.1 decoding and 15 speakers, Hydraulic Body Motion Control system, Climate-controlled front seats, semi-aniline leather seating, Mocha Burl trim, Advanced Climate Control System (ACCS) with auto circulation, Plasmacluster™ air purifier, Grape Polyphenol filter, 2 nd row foot well courtesy lights, and headlight washers (4WD only),	O (requires 22-inch Wheel Package)
Technology Package: Intelligent Cruise Control (Full-Speed Range), Lane Departure Warning (LDW) and Lane Departure Prevention (LDP), Distance Control Assist (DCA), Intelligent Brake Assist (IBA) with Forward Collision Warning (FCW), Blind Spot Warning (BSW) and Blind Spot Intervention™, Front Pre-Crash Seatbelts, Adaptive Front lighting System (AFS) with auto-leveling headlights	O (requires Deluxe Touring Package)

S – Standard **O** – Optional