

# 2008 Infiniti QX56

## Technical Specifications, Features and Options

Source of Production: Nissan North America

Assembly Plant Location: Canton, Mississippi

<b>ENGINE</b>	
Type	ZH-2 (VK56DE)
Orientation	Longitudinally-mounted
Cylinders / configuration	V8
Block / head composition	Aluminum / aluminum
Displacement	5.6 liters
Horsepower	320 @ 5,200 rpm
Torque	393 lb-ft @ 3,400 rpm
Bore x stroke (mm)	98 x 92
Compression ratio (: 1)	9.8
Induction system	Naturally aspirated
Valvetrain	DOHC 32 valve; silent chain, single stage
Mounts	Standard (no fluid-filled)
Recommended fuel	Regular unleaded
Emission certification level	Tier2-Bin8z (EPA) / LEV1-ULEV (Cal)
Exhaust	Single exit/main and secondary mufflers

<b>ELECTRICAL</b>	<b>2WD</b>	<b>4WD</b>
Electronic ignition system	S	
Starter rating 12 volt		
130 amp alternator		
Battery 650 Cold-Cranking Amps (CCA)		
Trailer towing – 7 pin trailer harness plug with connector	O	S

<b>DRIVETRAIN</b>		<b>2WD</b>	<b>4WD</b>
Drive configuration		2WD	4WD
Transmission type		Automatic; 5-speed with overdrive	
Automatic transmission oil cooler		S	
Gear ratios (: 1)		<b>2WD</b>	<b>4WD</b>
	<b>1<sup>st</sup></b>	3.827	3.827
	<b>2<sup>nd</sup></b>	2.368	2.368
	<b>3<sup>rd</sup></b>	1.520	1.520
	<b>4<sup>th</sup></b>	1.000	1.000
	<b>5<sup>th</sup></b>	0.834	0.834
	<b>Reverse</b>	2.613	2.613
Final drive ratio (: 1)		2.937	3.357
Transfer case / crawl ratios			
	Axle	3.357	3.357
	4WD high	-	1.000
	4WD low	-	2.596
	Crawl ratio: 1st	11.240	12.85/33.35
	Crawl ratio: 2nd	6.955	7.95/20.64
	Crawl ratio: reverse	2.04	2.33/6.05

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<b>BODY/CHASSIS</b>		<b>2WD</b>	<b>4WD</b>
Body type		Body-on-frame (F-Alpha)	
Primary materials		Corrosion-resistant and high-strength steel	
Skid plates	Transfer case	-	S
	Oil pan	-	S
	Fuel tank	-	S

<b>BRAKES</b>		
Front: Vented disc 320mm x 26mm		S
Rear: Vented disc 320mm x 14mm		
4-wheel disc brakes		
4-wheel Anti-lock Braking System (ABS)		
Brake Assist (BA)		
Electronic Brake Force Distribution (EBD)		
Vehicle Dynamic Control (VDC)		

<b>SUSPENSION AND STEERING</b>		
Front suspension		Double wishbone
Front stabilizer bar		S
Rear suspension		Double wishbone independent
Rear stabilizer bar		S
Auto leveling rear suspension		S
Steering type		Rack-and-pinion
Power assisted		Engine speed-sensitive
Steering ratio (:1)		20
Turns (lock-to-lock)		3.6
Turning diameter (curb-to-curb)		40.8 ft

<b>WHEELS AND TIRES</b>		<b>2WD</b>	<b>4WD</b>
<b>Wheels</b>			
20-inch x 8.0J chrome aluminum-alloy wheels		S	
<b>Tires</b>			
P275/60R20 BSW Michelin SUV tires		S	
Full-Size spare tire and matching wheel		S	
	Location	Behind rear axle	
Tire Pressure Monitor System		S	
	w/ warning lamp in Navi display	S	

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<b>EXTERIOR DIMENSIONS (inches)</b>	<b>2WD</b>	<b>4WD</b>
Wheelbase	123.2	
Overall length	206.9	
Overall width	79.5	
Overall height w/ roof rack	77.0	78.7
Front track width	67.5	
Rear track width	67.5	
Angle of approach (degrees) with aero spoiler	24.7	26.2
Angle of departure (degrees)	21.8	22.7
Ramp angle (degrees) with step rails	9.3	9.6
Ground clearance (inches) with front cover	8.3	9.1
Step in height – 1 <sup>st</sup> row	20.8	21.5
Step in height – 2 <sup>nd</sup> row	21.5	22.3

<b>EXTERIOR FEATURES AND OPTIONS</b>		
Body color front and rear bumpers, center section and rear door handles		S
Chrome body side moldings, grille and front door handles		
Headlights	Type Automatic on/off Fog lights	Xenon HID S S
Glass	Windshield Driver and front passenger windows Rear door glass Rear quarter windows Rear liftgate	Tinted Tinted Privacy glass Privacy glass Privacy glass
Wipers	Front windshield Rear liftgate	Speed sensitive variable intermittent Intermittent with washer
Power Folding Outside Mirrors with heat, power adjust, auto dim and integrated turn signal and puddle lamp		S
Rear Mudguards		S
Roof	Front power tilt/slide glass sunroof	O
Roof rack (chrome-plated)	Side rails Cross bars	S One-piece style
One-Touch Power Sliding Moonroof		S

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<b>INTERIOR DIMENSIONS (inches)</b>	<b>2WD</b>	<b>4WD</b>
First row		
Head room	41.0	
Head room with sunroof	39.7	
Shoulder room	65.1	
Hip room	61.3	
Leg room	41.8	
Second row		
Head room	40.0	
Shoulder room	64.5	
Hip room	60.1	
Leg room	41.9	
Third row		
Head room	35.9	
Shoulder room	63.7	
Hip room	48.8	
Leg room	32.2	

<b>INTERIOR FEATURES AND OPTIONS</b>	<b>2WD</b>	<b>4WD</b>
10-way power driver's seat, heated, memory	S	
8-way power passenger's seat, heated, memory, fold flat-capable		
Leather-appointed seating surfaces		
Driver and front passenger active head restraints		
Heated 2 <sup>nd</sup> row seats		
Fold-flat passenger, 2 <sup>nd</sup> and 3 <sup>rd</sup> row seats		
Driver and passenger seat back pockets		
60/40 power split 3 <sup>rd</sup> row bench seat		
Tip-up device for 3 <sup>rd</sup> row ingress/egress		
Cupholders 4 on front center console, 2 bottle holders in front door panel 2 on back of front seat center console 2 on 2 <sup>nd</sup> row center console or back of front console 2 on luggage trim for 3 <sup>rd</sup> row		
12V power points 2 I/P mounted 1 in rear of front center console 1 in cargo-area luggage trim panel		
Steering wheel 3-spoke leather w/ cruise control and audio switches with power tilt, illumination; heated		

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<b>CAPACITIES</b>		
Seating capacity	7 - with 2 <sup>nd</sup> row captain chairs 8 - with optional 2 <sup>nd</sup> row bench seat	
Interior volume (cu. ft.)	188.4	
Cargo volume (cu. ft.)	61.2	
Fuel tank (gals.)	28.0	
Engine oil (qts.)	7.0	
Engine coolant (qts.)	12.8	
Maximum towing capacity (lbs.)(when properly equipped)	9,000	8,900
Maximum tongue weight (lbs.)	900	890

<b>CURB WEIGHTS</b>	<b>2WD</b>	<b>4WD</b>
Curb weight (lbs.)	5597	5903
Weight distribution	50/50	51/49
GVWR (lbs.)	7150	7300

<b>2006 EPA MILEAGE ESTIMATES (actual mileage may vary)</b>	<b>2WD</b>	<b>4WD</b>
City	12	12
Highway	18	17
EPA classification	TWC (test weight class) 2WD 5,500 lbs.; 4WD 6,000 lbs.	

<b>AUDIO SYSTEM</b>		
12-speaker Bose® Premium Audio System with Burr-Brown® DAC and 9.3-gigabyte Music Box hard drive for digital music storage and playback	S	
HDD Navigation system		
Rear audio controls		
Steering wheel controls: Audio ASCD		
Antennas In-glass audio and diversity		
Infiniti Mobile Entertainment System with 8.0-inch flip-down display screen in overhead console, 2 sets of wireless headphones, video port on DVD unit in console	O	
Satellite radio with XM® service		

<b>COMFORT AND CONVENIENCE FEATURES</b>

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Driver/front passenger-side one-touch auto-up/down power windows with safety reverse feature	S
Power rear windows with one-touch auto-up with safety reverse feature	
Power rear vent windows	
Power adjustable foot pedals with memory	
Power door locks with illuminated switches, with anti-lockout feature	
Power operated rear liftgate	
Bluetooth® Hands Free Phone System	
Remote keyless entry – operates locks, windows, rear liftgate	
Overhead console – w/o sunroof – map lamps, sunglasses holder and storage bins w/sunroof – mini console with map lamps and sunglasses holder	
Rearview mirror – auto day/night with UGDO, compass	
Air conditioning with 3-zone temperature control (front row dual zone automatic, 2 <sup>nd</sup> row non-automatic), microfilter, rear heater ducts	
Intelligent Key	
Intelligent Cruise Control	O
Power Folding 60/40 Split 3 <sup>rd</sup> Row Seats	S

#### **SAFETY AND SECURITY FEATURES**

Air bags (SRS) Driver – w/Advanced Air Bag System (AABS) Passenger – w/ Advanced Air Bag System Front seat-mounted side-impact supplemental air bags Roof-mounted curtain supplemental air bags for outboard occupant side-impact and rollover protection including 1st, 2 <sup>nd</sup> , 3 <sup>rd</sup> row coverage	S
Front row 3-point seat belts with ELR, dual pretensioners and load limiters	
2 <sup>nd</sup> row: 3-point RH, LH, CTR* with ALR/ELR *Center position included with optional 2 <sup>nd</sup> row bench seat	
3 <sup>rd</sup> row: 3-point for RH, LH, CTR with ALR/ELR	
Front seat Active Head Restraints	
LATCH and upper tether anchors for 2 <sup>nd</sup> & 3 <sup>rd</sup> row outer positions	
Child safety rear door locks	
Power window lockout button (driver switch)	
Infiniti Vehicle Immobilizer System	
Vehicle Security System	
Steering column lock	

#### **SAFETY AND SECURITY FEATURES, Cont.**

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Energy-absorbing steering column	S
Zone Body construction w/ front and rear crumple zones	
Hood-buckling creases	
Knee bolsters	
Body side reinforcements	
Shift interlock system	

INSTRUMENTATION	
Fine Vision Meter gauges	S
Speedometer	
Tachometer	
Engine temperature	
Oil pressure	
Volts	
Auto Trans Temperature Gauge	
Tire pressure warning	
Shift Position Indicator	
Tire pressure display in Navi screen	
4WD Indicator/Warning	S on 4WD

PACKAGES AND OPTIONS	2WD	4WD
<b>2<sup>nd</sup> Row Split Bench Seat:</b> includes split bench 2 <sup>nd</sup> row seat	O	
<b>Infiniti Mobile Entertainment System:</b> DVD entertainment system, video port (center console), 2 wireless headphones, DVD changer		
<b>Intelligent Cruise Control with Front Proximity Sensors</b>		
<b>Tow Package:</b> Receiver hitch, 7-pin wiring harness plug [Sunroof Package Required]	O	S
<b>Front Splash Guards</b>	O	

3/07

**S** – Standard

**O** – Optional

**P** – Included in Package