

2016 Infiniti Q70L

Technical Specifications, Features and Options

Assembly Plant Location: Tochigi, Japan

Note: 2016 Q70 and Q70 Hybrid specifications available at InfinitiNews.com

ENGINE	Q70L 3.7	Q70L 5.6
Type	VQ37VHR DOHC 24-valve with Variable Valve Event and Lift (VVEL)	VK56VD DOHC 32-valve with Variable Valve Event and Lift (VVEL)
Orientation	Longitudinal	
Cylinders / configuration	V6 with molybdenum coated pistons	V8 with molybdenum coated pistons
Block / head composition	Aluminum-alloy	Aluminum-alloy
Displacement	3.7 liters	5.6 liters
Horsepower	330 hp @ 7,000 rpm	416 hp @ 6,000 rpm
Torque	270 lb-ft @ 5,200 rpm	414 lb-ft @ 4,400 rpm
Bore x stroke (mm)	95.5 x 86.0	98.0 x 92
Compression ratio (:1)	11.0	11.5
Induction system	Naturally aspirated	Naturally aspirated
Fuel delivery system	Sequential multi-port fuel injection	Direct Injection Gasoline™
Valvetrain	4 valves per cylinder	4 valves per cyl.
Engine oil cooler	P	-
Engine Mounts (Type)	Side: 2 (liquid-filled) Rear (RWD models): 1 (liquid-filled) Rear (AWD models): 1 (solid)	
Recommended fuel	Premium (required)	Premium (required)
Emissions system	Closed loop feedback system with 2 catalysts	Closed loop feedback system with 3-way catalyst
Exhaust	Dual exhaust with polished tips	
Maximum engine speed	7,500 rpm	6,700 rpm
Emissions certification level	TBD	TBD

ELECTRICAL	Q70L 3.7	Q70L 5.6
Electronic ignition system	S	
Starter rating	1.6 kW	2.0 kW
Alternator	12V – 150 Amp	

DRIVETRAIN	Q70L 3.7		Q70L 5.6	
	RWD	AWD	RWD	AWD
Drive configuration				
Rear-wheel Drive	S	-	S	-
Intelligent All-Wheel Drive	-	S	-	S
7-speed electronically controlled automatic transmission with Adaptive Shift Control (ASC), and manual shift mode with Downshift Rev Matching	S			

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Gear ratios (:1)	Q70L 3.7	Q70L 5.6
1 st	4.783	4.783
2 nd	3.103	3.103
3 rd	1.984	1.984
4 th	1.371	1.371
5 th	1.000	1.000
6 th	0.871	0.871
7 th	0.776	0.776
Reverse	3.859	3.859
Final drive ratio (:1)	3.357	2.611

BODY, SUSPENSION AND STEERING	Q70L 3.7		Q70L 5.6	
	RWD	AWD	RWD	AWD
Body type	Corrosion resistant and high strength steel unibody construction, aluminum-alloy hood, doors and door structures			
Front suspension	Independent double wishbone with coil springs and stabilizer bar			
Rear suspension	Independent multi-link with coil springs and stabilizer bar			
Steering ratio (:1)	16.9	16.6	16.9	16.6
Turning diameter (curb-to-curb) ft	36.7	37.4	36.7	37.4
Turns (lock-to-lock)	3.09	2.94	3.09	2.94
Steering type	Electronically-controlled vehicle-speed-sensing variable-assist power rack-and-pinion			
Steering wheel type	4-spoke leather-appointed (optional high-quality leather-wrapped)			
Tilt	Power with memory			
Telescopic	Power with memory			
Controls	Audio, cruise control, Bluetooth®			
Heated	Standard on Q70L 5.6, optional on Q70L 3.7			

BRAKES	Q70L 3.7		Q70L 5.6	
	RWD	AWD	RWD	AWD
Front: 12.6-inch x 1.1-inch power-assisted vented disc	S			
Rear: 12.1-inch x 0.6-inch power-assisted vented disc				
Sport Brakes: 14.0 x 1.3-inch 4-piston front, 13.8 x 0.8-inch 2-piston rear	P			
4-channel/4-sensor/4-wheel Anti-lock Braking System (ABS)	S			
Brake Assist, Electronic Brake Force Distribution	S			

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WHEELS AND TIRES	Q70L 3.7		Q70L 5.6	
	RWD	AWD	RWD	AWD
Wheels				
18 x 8.0-inch, double 5-spoke aluminum-alloy wheels	S			
20 x 9.0-inch, split 5-spoke aluminum-alloy wheels	P			
Tires				
245/50R18 V-rated all-season performance tires	S			
245/40R20 W-rated all-season performance tires	P			
Temporary spare tire (165/80R17)	S			
Tire Pressure Monitoring System (TPMS) with individual tire pressure display	S			

EXTERIOR DIMENSIONS (inches unless noted otherwise)	Q70L 3.7		Q70L 5.6	
	RWD	AWD	RWD	AWD
Wheelbase	120.1			
Overall length	202.0			
Overall width	72.6			
Overall height	59.1	59.6	59.1	59.6
Front track width	62.0			
Rear track width	61.8	61.6	61.8	61.6
Minimum ground clearance	6.0	5.8	5.7	5.7
Coefficient of Drag (Cd)	0.27			

EXTERIOR FEATURES AND OPTIONS	Q70L 3.7		Q70L 5.6	
	RWD	AWD	RWD	AWD
Automatic on/off LED headlights with windshield wiper interlock	S			
Adaptive Front lighting System (AFS) with auto-leveling headlights	P			
Body-color front and rear bumpers	S			
Green-tinted glass with dark-tint upper windshield band and UV cut	S			
Chrome grip-type door handles	S			
Front door handle courtesy lights	S			
Auto-dimming power folding, heated outside mirrors with reverse tilt-down feature	S			
Rear window defroster with timer	S			
Rear center high-mounted stop lamp (CHMSL)	S			
Chrome grille with large Infiniti logo emblem	S			
Unique sport front fascia	P			
Tinted front grille and headlight housings	P			
Power sliding tinted glass moonroof with one-touch auto-open/close, tilt feature and sliding sunshade	S			
Rain-sensing variable intermittent front windshield wipers	S			

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Auto-trunk cincher	S
Power rear door closure assist (auto-cincher)	S

INTERIOR DIMENSIONS (inches)	Front	Rear
Head room	39.1	37.7
Shoulder room	58.4	56.7
Hip room	54.3	53.5
Leg room	44.4	41.8

INSTRUMENTATION	
Fine Vision electroluminescent speedometer, tachometer, coolant temperature and fuel gauges	S
Outside temperature display	
Center display with odometer with dual trip meters, gear select identification (both automatic and manual shift mode)	

INTERIOR FEATURES AND OPTIONS	Q70L 3.7		Q70L 5.6	
	RWD	AWD	RWD	AWD
Leatherette seating surfaces	S		-	
Leather-appointed seating surfaces	P		S	
Perforated semi-aniline leather seating	P		P	
10-way power driver's and front passenger's seats including 2-way power lumbar support	S			
Heated front seats	S			
Climate-controlled front seats (heated and cooled)	P		S	
Entry/exit assist for driver's seat and steering wheel	S			
Adjustable front seat active head restraints and adjustable rear head restraints	S			
Sequential welcome lighting illuminated entry system	S			
Front seatback map pockets	S			
Stainless steel sill plates with Infiniti lettering	S			
Genuine leather-wrapped steering wheel and gearshift knob	S			
Heated steering wheel	P		S	
Front door map pockets	S			
Suede-like headliner, premium soft-touch material for armrests, door inserts, center console and kneepads; premium stitched meter hood	P			
Ceiling-mounted assist grips	S			
Dual occupant memory system for driver's seat, steering wheel, outside mirrors linked to individual Intelligent Keys	S			
Auto-dimming inside rear view mirror	S			
HomeLink® Transceiver	S			
Power rear sunshade	P			

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Genuine Japanese Ash wood accents on doors, instrument panel and center console	S
White Ash silver-powdered wood trim	P
Infiniti analog clock	S
Dual front and rear cupholders	S
Rear armrest with cup holders and storage	S

AUDIO SYSTEM	Q70L 3.7		Q70L 5.6	
	RWD	AWD	RWD	AWD
6-speaker audio system with AM/FM/CD with MP3/WMA playback capability, Radio Data System (RDS), speed-sensitive volume control	S	S	-	-
Bose® 2-channel, 10-speaker (including subwoofer) Premium Audio system	P	P	S	S
Bose® Studio Surround® sound system with digital 5.1 channel decoding, 16 speakers and Bose® Centerpoint® 2 signal processing	P			
Single in-dash CD player	S	S	-	-
Single in-dash CD/DVD player	P	P	S	S
USB Connection Port for iPod® interface and other compatible devices	S			
Streaming Audio via Bluetooth®	P	P	S	S
SiriusXM® Satellite Radio (SiriusXM® subscription required, sold separately)	S			
Rear window diversity antenna	S			

COMFORT AND CONVENIENCE FEATURES	
Active Noise Control (ANC)	S
Cruise control with steering wheel-mounted switches	S
Intelligent Cruise Control (Full-Speed Range)	P
Distance Control Assist (DCA)	P
Active Trace Control	P
Eco Pedal	P
Forward Emergency Braking (FEB)	P
Back-up Collision Intervention (BCI)	P
Predictive Forward Collision Warning (PFCW)	P
Bluetooth® Hands-free Phone System	S
Dual Zone Automatic Temperature Control system with mild flow vent located on upper dash	S
RearView Monitor	S
7.0-inch color vehicle information display	S
One-touch auto-up/down front windows with anti-pinch feature and remote keyless entry-activated all windows open mode	S
Power door locks with selective unlocking, auto lock feature and remote keyless entry	S
Center console with dual-adjustable armrests, dual level storage and 12-volt power outlet	S

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COMFORT AND CONVENIENCE FEATURES, CONT.	
Power tilt/tele. steering column w/ memory	S
Locking glove compartment with light	S
Dual front illuminated visor vanity mirrors	S
Dual overhead map lights (front and rear)	S
Remote trunk release	S
Infiniti Intelligent Key with Illuminated Push Button Ignition	S
Enhanced Intelligent Key memory stores an occupant memory position, and last used audio, climate control, and navigation settings	S
Retained accessory power for windows and moonroof	S
Infiniti Navigation System with 8-inch WVGA color touch-screen display, Lane Guidance and 3-D building graphics	P S
Infiniti Voice Recognition for audio, navigation, and vehicle information systems	P S
NavTraffic [®] with Real-Time Traffic information (SiriusXM [®] subscription required, sold separately)	P S
NavWeather [™] with Real-Time Weather and 3-day forecast (SiriusXM [®] subscription required, sold separately)	P S
Infiniti Connection telematics system with available safety, security and convenience service;	P S

CAPACITIES	Q70L 3.7	Q70L 5.6
Seating capacity	5	
Fuel tank (gals.)	20.0	
Passenger compartment volume (cubic feet)	110.6	
Cargo volume (cubic feet, w/temp spare tire)	14.9	
Engine oil (qts.)	5.2	6.3
Engine coolant (qts.)	8.9	11.5

CURB WEIGHTS		Q70L 3.7		Q70L 5.6	
		RWD	AWD	RWD	AWD
Curb weight (lbs.)	Front	2,133	2,314	2,248	2,471
	Rear	1,824	1,842	1,881	1,874
	Total	3,957	4,156	4,129	4,345
Weight distribution (% fr/rr)		54/46	56/44	54/46	57/43
GVWR (lbs.)		4,993	5,192	5,214	5,423

EPA MILEAGE ESTIMATES (Actual mileage may vary)		Q70L 3.7		Q70L 5.6	
		RWD	AWD	RWD	AWD
City		18	17	16	16
Highway		26	24	24	23
Combined		21	20	19	18
EPA Classification		Mid-size			

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PASSENGER RESTRAINT SYSTEMS	
Infiniti Advanced Air Bag System (AABS) with 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	S
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection	S
Front-seat Active Head Restraints with 4-way manual adjustment	S
Front Pre-Crash Seatbelts	P
Front seat belts with adjustable upper anchors, pretensioners and load limiters	S
3-point front and rear seat belts with Automatic Locking Retractor (ALR) and Emergency Locking Retractor (ELR) (driver's seat ELR only)	S

SAFETY FEATURES	
Shift interlock system	S
Energy-absorbing steering column	
Hood buckling creases and safety stops	
Front and rear crumple zones	
Body side reinforcements	
Child safety rear door locks	
LATCH System (Lower Anchors and Tethers for Children)	
Power window lockout button	
Emergency inside trunk release	
Tire Pressure Monitoring System (TPMS) with individual tire pressure display	P
Lane Departure Warning (LDW) and Prevention (LDP) systems	
Blind Spot Warning (BSW)	P
Blind Spot Intervention® (BSI)	P
Intelligent Brake Assist (IBA) with Forward Collision Control (FCW)	P
Vehicle Dynamic Control (VDC) with Traction Control System (TCS)	S

SECURITY FEATURES	
Remote Keyless Entry system	S
Vehicle Security System	
Infiniti Vehicle Immobilizer System	

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PACKAGES AND OPTIONS	Q70L 3.7	Q70L 5.6
Premium Package: Infiniti Navigation System, Infiniti Voice Recognition for audio, navigation and vehicle information systems, 8-inch WVGA color touch-screen display, NavTraffic® with Real-Time Traffic Information, NavWeather™ with Real-Time Weather (SiriusXM® subscription required, sold separately) and 3-day forecast; Infiniti Connection telematics system with available safety, security and convenience service; Bose® 2-channel 10-speaker Premium Audio system; Streaming audio via Bluetooth®; climate-controlled front seats; heated steering wheel; front and rear sonar system; Around View® Monitor with Moving Object Detection	O	S
Deluxe Touring Package: Bose® Studio Surround sound system with digital 5.1-channel decoding, 16 speakers; power rear sunshade; semi-aniline leather seating; unique quilted seat pattern with additional seat bolstering; White Ash silver-powdered wood trim; suede-like headliner; premium soft-touch material for armrests, door inserts, center console and knee pads; premium stitched meter hood	O (req. Premium 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® (BSI) systems; Front Pre-Crash Seat Belts; Active Trace Control; Eco Pedal; Adaptive Front lighting System (AFS) with auto-leveling headlights; Forward Emergency Braking (FEB); Back-up Collision Intervention (BCI); Predictive Forward Collision Warning (PFCW)	O (Req. Premium Pkg.)	-
Performance Tire & Wheel Package: 20x9-inch split 5-spoke aluminum-alloy wheels; 245/40R20 all-season performance tires; Sport Brakes with aluminum 4-piston opposed front calipers/2-piston opposed rear calipers	O (Req. Premium Pkg.)	O
V8 Deluxe Technology Package: Includes Deluxe Touring Package Content and Technology Package content	-	O

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O – Optional

S – Standard

P – Included in Package