

2015 Infiniti Q50 Sports Sedan – 3.7L

Technical Specifications, Features and Options

Note: 2015 Infiniti Q50 Hybrid specifications available at InfinitiNews.com

ENGINE	
Type	VQ37VHR DOHC 24-valve
Orientation	Vertical
Cylinders / configuration	V6 with resin coated pistons
Block / head composition	Aluminum-alloy/aluminum-alloy
Displacement (liters / cc)	3.7 liters / 3,696 cc
Horsepower	328 hp @ 7,000 rpm
Torque	269 lb-ft @ 5,200 rpm
Bore x stroke (mm)	95.5 x 86.0
Compression ratio (:1)	11
Maximum engine speed	7,500 rpm
Induction system	Sequential multi-point fuel injection
Valvetrain	4 valves per cylinder, Continuously Variable Valve Event and Lift (VVEL) control system
Mounts	Front Rear
Required fuel	Premium unleaded
Emissions system	Closed loop feedback system with 2 catalyts
Emission certification level	50 State, LEV2
Exhaust	Dual, with dual chrome finishers

ELECTRICAL	
Electronic ignition system	S
130 amp alternator	
1.6 kW starter	
80D23L battery	

DRIVETRAIN	Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Drive configuration			
Front engine/rear-wheel drive	S (RWD)	S (RWD)	S (RWD)
Front engine/ATESSA ET-S® all-wheel drive	S (AWD)	S (AWD)	S (AWD)
Transmission type	7-speed automatic w/Sport mode and Downshift Rev Matching		
Adaptive Shift Control	S		
Hill Start Assist	S		
Gear ratios (:1)	1st	4.783	
	2nd	3.102	
	3rd	1.984	
	4th	1.371	
	5th	1.000	
	6th	0.870	
	7th	0.775	
	Rev.	3.858	
Final drive ratio (:1)	3.133		
Advanced Vehicle Dynamic Control (VDC) with cancellation switch	S		

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BODY, SUSPENSION AND STEERING		Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Body type	Unibody	High-strength steel corrosion-resistant, aluminum hood		
Front suspension		Independent double-wishbone w/stabilizer bar		
Rear suspension		Multi-link independent w/stabilizer bar		
Sport tuning with double-piston KYB shocks		-	-	S
Steering type		Power-assisted, vehicle-speed-sensitive rack-and-pinion Available Direct Adaptive Steering		
Steering ratio non-Direct Adaptive Steering	RWD AWD	16.9:1 16.7:1		
Turns (lock-to-lock) non-Direct Adaptive Steering	RWD AWD	3.01 2.87		
Steering ratio - Direct Adaptive Steering	RWD AWD	12.07 – 36.98 11.92 – 36.54		
Turns (lock-to-lock) Direct Adaptive Steering	RWD AWD	2.125 2.026		
Turning diameter (feet)	RWD AWD	36.7 37.4		

BRAKES		Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Power-assisted vented disc (in.)	Front 12.6 x 1.1	S		-
	Rear 12.1 x 0.6	S		-
	Front 14.0 x 1.3	-	-	S
	Rear 13.8 x 0.8	-	-	S
4-piston front/2-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		Foot-operated		

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WHEELS AND TIRES		Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Wheels				
Aluminum-alloy	17x7.5-in machine finish	S		-
	19x8-in split 5-spoke	-	O	S
	19x9-in RAYS superlight forged	-	-	O
Tires				
All-Season	Bridgestone 225/55R17	S		-
Summer	Dunlop 225/40R19	-	O	S
Temporary T145/70R18 spare		-	O	O

EXTERIOR DIMENSIONS (inches)		Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Wheelbase		112.2		
Overall length		188.3		189.1
Overall width		71.8		
Overall height	RWD	56.8		
	AWD	57.2		
Front track width	RWD	60.8		
	AWD	60.4		
Rear track width	RWD	61.8		
	AWD	61.4		
Minimum ground clearance	RWD	5.1		4.8
	AWD	5.2		4.8
Coefficient of Drag (Cd)	RWD	0.26	0.26	0.27
	AWD	0.26	0.26	0.28

EXTERIOR FEATURES AND OPTIONS		Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Signature LED headlights (LED high/low beam), daytime running lights		S		
Automatic on/off		S		
Adaptive Front lighting System (AFS) with high beam assist technology		-	P	P
Front LED fog lights and turn signals (mounted in lower fascia)		S		
Body-color dual power controlled heated outside mirrors		S		
Auto dimming outside mirrors with reverse synchronization, memory feature		-	P	P
Tinted glass power moonroof with rear tilt feature, sliding sunshade, one-touch operation		P	S	S
Unique sport front fascia		-	-	S
Speed-sensing flat-blade variable intermittent front windshield wipers		S		
Front door handle courtesy lights		S		
Dual chrome exhaust finishers		S		

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INTERIOR DIMENSIONS (inches)	Front	Rear
Headroom without moonroof	40.2	37.5
Headroom with moonroof	39.5	36.8
Shoulder room	56.7	56.1
Hip room	53.2	52.5
Legroom	44.5	35.1

INTERIOR FEATURES AND OPTIONS	Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Leatherette seating surfaces	S	S	-
Leather-appointed seats	-	P	-
Sport-type leather-appointed seats	-	-	S
8-way power driver's seat w/manual adjustable lumbar support	S	S	-
Front sport driver's seat with manual thigh extension and power lumbar, thigh and torso bolster adjustment	-	-	S
8-way power front passenger's seat	S	S	S
Front sport passenger's seat with manual thigh extension	-	-	S
60/40 split-folding rear seat	-	P	P
Leather-covered steering wheel with illuminated audio and cruise control buttons	S		
Heated steering wheel	S – AWD models		
Fine Vision electroluminescent instrumentation	S		
Infiniti InTouch™ dual display system with upper 8" and lower 7" VGA LCD touch screens	S		
Infiniti InTouch™ Apps	S		
Infiniti Controller	S		
Infiniti InTuition™: a fully customizable digital environment for storing driver settings to Intelligent Key	S		
"Kacchu" finish aluminum trim	S		
Maple wood trim	-	P	P
Aluminum sill plates w/ "Infiniti" script	S		
Heated front seats	-	S	S
Around View® Monitor with Moving Object Detection (MOD)	-	P	P
RearView Monitor	S		
HomeLink® Universal Transceiver	-	S	S
Bluetooth® Hands-free Phone System with hands-free text messaging assistant	S		
Dual Zone Automatic Temperature Control with microfiltration	S		

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Advanced Climate Control System (ACCS) with Plasmacluster [®] air purifier	-	P	P
Aluminum accented pedals	-	-	S
Memory system for driver's seat, steering wheel and outside mirror	-	P	P
Driver's seat, steering wheel and outside mirrors position synchronization	-	P	P
Power tilt and telescope steering wheel with entry/exit assist	-	P	P
Rear Sonar System	-	P	P
60/40 split folding rear seat	-	P	P
Fold-down rear center armrest with trunk pass-through feature	-	S	S
Rear window defroster with indicator light and timer	S		
Illuminated entry system with time delay fade-out	S		
Front seatback pockets	S		
Cruise control w/ steering wheel mounted controls	S		
Intelligent Cruise Control	-	P	P
Power windows with front one-touch auto-up/down with auto-reverse feature, remote keyless entry operable	S		
Remote trunk release, electromagnetic trunk opener	S		
Locking glove compartment with light	S		
Driver and front-passenger sun visors with extenders and illum. vanity mirrors	S		
Dual overhead map lights w/ sunglasses holder	S		
Rear seat reading lights	S		
Cupholders, 4 front, 2 rear	S		
Infiniti Intelligent Key system with push button ignition	S		
Trunk illumination and hooks (4)	S		
Solid magnesium paddle shifter	-	-	S
Front armrest with storage compartment, 12-volt power outlets (2), auxiliary jack, video input and two USB connection ports	S		
Retained accessory power for windows and moonroof (if equipped)	S		

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INSTRUMENTATION	
Analog speedometer, tachometer, coolant temperature and fuel gauges and white electroluminescent instrumentation	S
Odometer with dual trip meters	
Multi-function trip computer display w/instant fuel economy, driving time, outside temperature, distance to empty, average speed, average fuel economy	

AUDIO AND NAVIGATION SYSTEMS	Q50 3.7	Q50 3.7 Premium	Q50S 3.7
6-speaker audio system with RDS, MP3 playback capability and in-dash CD player	S	-	-
Infiniti Studio on Wheels by Bose® Premium Audio system with 14 speakers, Bose® Centerpoint® simulated sound, CD player, RDS and MP3 playback capability	-	S	S
HD radio	S		
Speed sensing volume control	S		
Two USB inputs, aux input and video input			
Rear window in-glass diversity antenna	S		
SiriusXM Satellite Radio (SiriusXM subscription required, sold separately)	S		
SiriusXM Travel Link with access to weather, fuel prices, stocks, sports and movie times (SiriusXM subscription required, sold separately; late availability)	S		
Steering-wheel mounted audio controls	S		
Infiniti Voice Recognition	S		
Infiniti InTouch™ Navigation System with Lane Guidance and 3-D building graphics, Infiniti Connection telematics system including one year of safety, security and convenience services, SiriusXM Traffic including real-time traffic information (SiriusXM subscription required, sold separately), Voice Recognition for navigation functions, including one-shot voice destination	-	P	P

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CAPACITIES	
Seating capacity	5
Interior passenger volume (cu. ft.)	100.0 w/moonroof, 101.9 w/o moonroof
Trunk volume (cu. ft.)	13.5
Fuel tank (gals.)	20.0
Engine oil (qts.)	5.2
Engine coolant (qts.)	11.6

PERFORMANCE 0-60 MPH	
Rear-wheel drive	5.3 seconds
All-wheel drive	5.6 seconds

CURB WEIGHTS (lbs)	Q50 3.7 RWD	Q50 3.7 AWD	Q50 3.7 Premium RWD	Q50 3.7 Premium AWD	Q50S 3.7 RWD	Q50S 3.7 AWD
Front	1,984	2,134	1,997	2,145	2,026	2,174
Rear	1,590	1,614	1,614	1,642	1,649	1,675
Total	3,574	3,748	3,611	3,787	3,675	3,849
Weight distribution (% fr/rr, w/ driver)	55.5/44.5	56.9/43.1	55.3/44.7	56.6/43.4	55.1/44.9	56.5/43.5
GVWR (lbs.)	4,828	5,004	4,828	5,004	4,828	5,004

EPA MILEAGE ESTIMATES <i>(Actual mileage may vary)</i>	Q50 3.7 RWD	Q50 3.7 AWD	Q50 3.7 Premium RWD	Q50 3.7 Premium AWD	Q50S 3.7 RWD	Q50S 3.7 AWD
City	20	19	20	19	20	19
Highway	30	27	29	27	29	27
Combined	23	22	23	22	23	22
EPA Classification	Mid-size cars					

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SAFETY AND SECURITY FEATURES	Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Advanced Air Bag System (AABS) with dual-stage supplemental front air bags with occupant classification sensor	S		
Front seat-mounted side impact supp. air bags			
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection			
LATCH System (Lower Anchors and Tethers for CHildren)			
Front seat belts with pretensioners and load limiters			
Zone Body construction			
Power window lockout function			
Shift interlock system			
Energy-absorbing steering column			
Vehicle Security System with indicator light and Infiniti Vehicle Immobilizer System			
Remote Keyless Entry system with panic alarm			
Vehicle Dynamic Control (VDC)			
Tire Pressure Monitoring System (TPMS)			
Brake-Operated Pre-Crash Seat Belts	-	P	P
Blind Spot Warning (BSW) and Blind Spot Intervention [®] (BSI)	-	P	P
Intelligent Cruise Control (Full Speed Range)	-	P	P
Backup Collision Intervention (BCI)	-	P	P
Distance Control Assist (DCA)	-	P	P
Forward Collision Warning (FCW)	-	P	P
Predictive Forward Collision Warning (PFCW)	-	P	P
Forward Emergency Braking (FEB)	-	P	P
Lane Departure Warning (LDW)	-	P	P
Lane Departure Prevention with Active Lane Control™ (utilizing world's first production Direct Adaptive Steering technology)	-	P	P

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PACKAGES AND OPTIONS	Q50 3.7	Q50 3.7 Premium	Q50S 3.7
Moonroof Package: Power sliding tinted glass moonroof with one-touch open/close, tilt feature and sliding sunshade	0	-	-
Spare Tire Package: Temporary spare tire/wheel and jack kit	-	0	0
Leather Seating Package: Leather-appointed front and rear seats, driver's seat 2-way power lumbar	-	0	-
Navigation Package: Infiniti InTouch™ Navigation System with Lane Guidance and 3-D building graphics, Infiniti Connection telematics system including one year of safety, security and convenience services, SiriusXM Traffic including real-time traffic information (SiriusXM subscription required, sold separately), Voice Recognition for navigation functions, including one-shot voice destination entry	-	0	0
Deluxe Touring Package: Power tilt and telescoping steering wheel, Direct Adaptive Steering™, auto-dimming outside mirrors, memory function for steering wheel, driver's seat and outside mirrors (linked to Intelligent Key), genuine wood trim, 60/40 split fold-down rear seat with center armrest and pass-thru, Around View® Monitor with Moving Object Detection (MOD), front and rear parking sensors, rain-detecting windshield wipers	-	0	0

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Technology Package: Adaptive Front lighting System (AFS) with high beam assist technology, Distance Control Assist (DCA), Blind Spot Warning (BSW) and Blind Spot Intervention (BSI), Front Pre-Crash Seat Belts, Intelligent Cruise Control (Full-Speed Range), Forward Collision Warning (FCW), Predictive Forward Collision Warning (PFCW), Forward Emergency Braking (FEB), Lane Departure Warning (LDW), Lane Departure Prevention (LDP) with Active Lane Control, Eco pedal, Advanced Climate Control System (ACCS) with Plasmacluster® air purifier	-	O	O
19" Sport Tire & Wheel Package RWD: 19-inch aluminum-alloy wheels with 245/40R19 summer tires	-	O (RWD)	-
19" Sport Tire & Wheel Package AWD: 19-inch aluminum-alloy wheels with 245/40R19 all-season tires	-	O (AWD)	-
60/40 Split-Fold Rear Seat: 60/40 split-fold rear seat	-	O	O
Pearl Paint: Moonlight White premium paint	O	O	O

O – Optional

S – Standard

P – Included in Package

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