

2016 Infiniti Q50 Sports Sedan – 3.0L

Technical Specifications, Features and Options

Note: 2016 Infiniti Q50 2.0t and Q50 Hybrid specifications available at InfinitiNews.com

ENGINE		Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
Type		VR30DDTT DOHC 24-valve		
Orientation		Longitudinal		
Cylinders / configuration		V6 with resin coated pistons		
Block / head composition		Aluminum-alloy/aluminum-alloy		
Displacement (liters / cc)		3.0 liters / 2,997 cc		
Horsepower		300 hp @ 6,400 rpm	300 hp @ 6,400 rpm	400 hp @ 6,400 rpm
Torque		295 lb-ft @ 1,600 - 5,200 rpm	295 lb-ft @ 1,600 - 5,200 rpm	350 lb-ft @ 1,600 - 5,200 rpm
Bore x stroke (mm)		86.0 x 86.0		
Compression ratio (:1)		10.3	10.3	10.3
Maximum engine speed		6,800 rpm	6,800 rpm	6,800 rpm
Induction system		Twin turbochargers		
Intercooler		Water-cooled, single pump	Water-cooled, single pump	Water-cooled, twin pumps
Valvetrain		4 valves per cylinder, Continuously Variable Valve Timing (CVTCS)		
Mounts		Front Rear	2 liquid-filled 1 liquid-filled, 1 solid	
Fuel delivery system		Direct fuel injection		
Required fuel		Premium unleaded		
Emissions system		Closed loop feedback system with 4 catalysts		
Emission certification level		Tier2Bin5/LEV2-ULEV		
Exhaust		3.0t Premium, Sport Red Sport 400	Dual with chrome finishers Dual with sport type finishers	

ELECTRICAL		Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
Electronic (direct) ignition system		S	S	S
150 amp alternator		S	S	-
170 amp alternator		-	-	S
1.6 kW starter		S	S	S
Q-85 battery		S	S	S

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DRIVETRAIN		Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
Drive configuration		S (RWD)	S (RWD)	S (RWD)
Front engine/rear-wheel drive		S (AWD)	S (AWD)	S (AWD)
Front engine/ATESSA ET-S® all-wheel drive				
Transmission type		7-speed automatic w/Sport mode and Downshift Rev Matching		
Adaptive Shift Control		S		
Hill Start Assist		S		
Gear ratios (:1)		1 st		
		2 nd		
		3 rd		
		4 th		
		5 th		
		6 th		
		7 th		
		Rev.		
Final drive ratio (:1)		2.937	2.937	3.133
Advanced Vehicle Dynamic Control (VDC) with cancellation switch		S		

BODY, SUSPENSION AND STEERING		Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
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		
Electronic controlled Digital Dynamic Suspension		-	S	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	15.0:1 16.7:1
Turns (lock-to-lock) non-Direct Adaptive Steering		RWD AWD	3.01 2.88	2.68 2.88
Steering ratio - Direct Adaptive Steering		RWD AWD	12.07 – 32.94 11.86 – 32.36	
Turns (lock-to-lock) Direct Adaptive Steering		RWD AWD	2.12 2.02	
Turning diameter (feet)		RWD AWD	36.7 37.4	

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BRAKES		Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
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	S
	Rear 13.8 x 0.8	-	S	S
2-piston front/1piston rear calipers		S	-	-
4-piston front/2-piston rear calipers		-	S	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		

WHEELS AND TIRES		Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
Wheels				
Aluminum-alloy	17x7.5-in machine finish	S	-	-
	19x8.5-in sport	P	S	-
	19x9-in AWD	-	-	S
	19x8.5-in front, 19x9.5-in rear RWD	-	-	S
Tires – Run Flat				
All-Season	Bridgestone 225/55R17	S	-	-
Summer	Dunlop 245/40R19	O- RWD	-	-
All-Season	Dunlop 245/40R19	O- AWD	S-AWD	S-AWD
Summer	Dunlop 245/40R19	-	S-RWD	-
Staggered - Summer	Dunlop 245/40R19 front Dunlop 265/35R19 rear	-	-	S-RWD
Tires – Conventional				
Staggered - Summer	Bridgestone 245/40R19 front Bridgestone 265/35R19 rear			O-RWD
Temporary T145/70R18 spare		O	O	O

EXTERIOR DIMENSIONS (inches)		Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
Wheelbase		112.2		
Overall length	RWD	188.3	188.3	189.1
	AWD	189.1	189.1	189.1
Overall width		71.8		
Overall height	RWD	56.8		
	AWD	57.2		
Front track width	RWD	60.8	60.4	60.4

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	AWD	60.8	60.4	60.4
Rear track width	RWD	61.6	61.4	61.6
	AWD	61.6	61.4	61.6
Minimum ground clearance	RWD	5.1	5.1	5.1
	AWD	5.0	5.0	5.0
Coefficient of Drag (Cd)	RWD	0.26	0.26	0.29
	AWD	0.28	0.28	0.28

EXTERIOR FEATURES AND OPTIONS	Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
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		
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		
Tinted glass power moonroof with rear tilt feature, sliding sunshade, one-touch operation	S		
Unique sport front fascia	-	S	S
Speed-sensing flat-blade variable intermittent front windshield wipers	S		
Front door handle courtesy lights	S		
Dual chrome exhaust finishers	S	S	-
Unique brushed finish exhaust finisher	-	-	S

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 3.0t Premium	Q50 Sport	Q50 Red Sport 400
Leatherette seating surfaces	S	-	-
Leather-appointed seats	P	P	-
Sport-type leather-appointed seats	-	S	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	S
8-way power front passenger's seat	S	S	S

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Front sport passenger's seat with manual thigh extension	-	S	S
60/40 split-folding rear seat	-	P	P
Leather-covered steering wheel with illuminated audio and cruise control buttons		S	
Heated steering wheel	P	P	P
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	
Aluminum sill plates w/ "Infiniti" script		S	
Heated front seats		P	
Around View® Monitor with Moving Object Detection (MOD)		P	
RearView Monitor		S	
HomeLink® Universal Transceiver		S	
Bluetooth® Hands-free Phone System with hands-free text messaging assistant		S	
Dual Zone Automatic Temperature Control with microfiltration		S	
Advanced Climate Control System (ACCS) with Plasmacluster® air purifier		P	
Aluminum accented pedals	-	S	S
Memory system for driver's seat, steering wheel and outside mirror		P	
Driver's seat, steering wheel and outside mirrors position synchronization		P	
Power tilt and telescope steering wheel with entry/exit assist		P	
Rear Sonar System		P	
Fold-down rear center armrest with trunk pass-through feature		P	
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	
Power windows with front one-touch		S	

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auto-up/down with auto-reverse feature, remote keyless entry operable	
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 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

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 3.0t Premium	Q50 Sport	Q50 Red Sport 400
Infiniti Studio on Wheels by Bose® Premium Audio system with 14 speakers, Bose® Centerpoint® simulated sound, CD player, RDS and MP3 playback capability		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		S	

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weather, fuel prices, stocks, sports and movie times (SiriusXM® subscription required, sold separately)	
Steering-wheel mounted audio controls	S
Infiniti Voice Recognition	S
Infiniti InTouch™ with Navigation and Infiniti InTouch™ Services, with lane guidance and 3D building graphics, voice recognition for navigation functions, including one-shot voice destination entry, Infiniti InTouch™ Services with six months of safety, security and convenience services, SiriusXM® Traffic, including real-time traffic information (SiriusXM® subscription required, sold separately)	P

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.)	7.4
Engine coolant (qts.)	9.5

CURB WEIGHTS (lbs)	Q50 3.0t Premium RWD	Q50 3.0t Premium AWD	Q50 Sport RWD	Q50 Sport AWD	Q50 Red Sport 400 RWD	Q50 Red Sport 400 AWD
Front	2,066	2,244	2,134	2,292	2,158	2,288
Rear	1,596	1,642	1,688	1,704	1,695	1,717
Total	3,662	3,886	3,822	3,996	3,853	4,005
Weight distribution (% fr/rr, w/ driver)	56.4/43.6	57.7/42.3	55.8/44.2	57.4/42.6	56.0/44.0	57.1/42.9
GVWR (lbs.)	TBD	TBD	TBD	TBD	TBD	TBD

EPA MILEAGE ESTIMATES (Actual mileage may vary)	Q50 3.0t Premium RWD	Q50 3.0t Premium AWD	Q50 Sport RWD	Q50 Sport AWD	Q50 Red Sport 400 RWD	Q50 Red Sport 400 AWD
City	20	19	19	18	20	19
Highway	30	28	29	26	27	26
Combined	24	22	23	21	22	22
EPA Classification	Mid-size cars					

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SAFETY AND SECURITY FEATURES	Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
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	
Blind Spot Warning (BSW) and Blind Spot Intervention [®] (BSI)		P	
Intelligent Cruise Control (Full Speed Range)		P	
Backup Collision Intervention (BCI) with Rear Cross Traffic Alert (RCTA)		P	
Distance Control Assist (DCA)		P	
Forward Collision Warning (FCW)		P	
Predictive Forward Collision Warning (PFCW)		P	
Forward Emergency Braking (FEB)		P	
Lane Departure Warning (LDW)		P	
Lane Departure Prevention with Active Lane Control [™] (utilizing world's first production Direct Adaptive Steering technology)		P	

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PACKAGES AND OPTIONS	Q50 3.0t Premium	Q50 Sport	Q50 Red Sport 400
Spare Tire Package: Temporary spare tire/wheel and jack kit	0	0	0
Leather Seating Package: Leather-appointed front and rear seats	0	S	S
Premium Plus Package 3.0t: Auto dimming outside mirrors; memory function for steering wheel, driver's seat and outside mirrors (linked to Intelligent Key); power tilt and telescoping steering wheel; Infiniti InTouch™ with Navigation and Infiniti InTouch™ Services, with lane guidance and 3D building graphics, voice recognition for navigation functions, including one-shot voice destination entry, Infiniti InTouch™ Services with six months of safety, security and convenience services, SiriusXM® Traffic, including real-time traffic information (SiriusXM® subscription required, sold separately); Adaptive Shift Control with navigation synchronization; 60/60 split fold-down rear seat with center armrest and pass-thru; driver's seat power lumbar; driver's seat memory; heated steering wheel; heated front seats; remote engine start	0	-	-
Premium Plus Package 3.0t Sport: Infiniti InTouch™ with Navigation and Infiniti InTouch Services, with lane guidance and 3D building graphics, voice recognition for navigation functions, including one-shot voice destination entry, Infiniti InTouch™ Services with six months of safety, security and convenience services, SiriusXM® Traffic, including real-time traffic information (SiriusXM® subscription required, sold separately); Adaptive Shift Control with navigation synchronization; heated steering wheel; heated front seats; remote engine start	-	0	0
Direct Adaptive Steering: Direct Adaptive Steering (DAS)	0	0	0
Technology Package: Auto leveling Adaptive Front Lighting System (AFS), High Beam Assist, Intelligent Cruise Control (Full-Speed Range), Distance Control Assist (DCA), Eco pedal, Advanced Climate Control System (ACCS) with Plasmacluster® and Grape Polyphenol filter, Front Seat Driver/Passenger Pre-Crash Seat Belts, Blind Spot Intervention (BSI), Lane Departure Warning (LDW), Lane Departure Prevention (LDP) with Active Lane Control	0	0	0

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Driver Assistance Package: Forward Emergency Braking (FEB); Predictive Forward Collision Warning (PFCW); rain sensing wipers; Around View® Monitor with Moving Object Detection (MOD); Blind Spot Warning (BSW); Backup Collision Intervention (BCI) with Rear Cross Traffic Alert (RCTA)	O	O	O
Maple Wood Accent Package: Genuine Maple wood	O	O	O
19-inch Sport Tire & Wheel Package RWD: 19-inch aluminum-alloy wheels with 245/40R19 summer run-flat tires	O (RWD)	-	-
19-inch Sport Tire & Wheel Package AWD: 19-inch aluminum-alloy wheels with 245/40R19 all-season run-flat tires	O (AWD)		

O – Optional

S – Standard

P – Included in Package

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