

# 2016 Infiniti Q50 Sports Sedan – Hybrid

## Technical Specifications, Features and Options

Source of Production: Nissan Motor Co., Ltd.

Assembly Plant Location: Tochigi, Japan

**Note: 2016 Infiniti Q50 non-hybrid specifications available at [InfinitiNews.com](http://InfinitiNews.com)**

<b>GASOLINE ENGINE</b>	
Type	VQ35 DOHC 24-valve
Orientation	Longitudinal
Cylinders / configuration	V6 with resin coated pistons
Block / head composition	Aluminum-alloy
Displacement	3.5 liters (3,498 cc)
Horsepower	302 hp @ 6,800 rpm
Torque	258 lb-ft @ 5,000 rpm
Bore x stroke (mm)	95.5 x 81.4
Compression ratio (:1)	10.6
Induction system	Sequential multi-port fuel injection
Valvetrain	4 valves per cylinder
Engine mounts (Type)	Front: 2 (liquid-filled) Rear RWD: 1 (liquid-filled) Rear AWD: 1 (solid)
Recommended fuel	Premium (required)
Emissions system	Closed loop feedback system with 4 catalysts
Exhaust	Dual exhaust with polished tips
Maximum engine speed	7,500 rpm
Emissions certification level	50 state LEV2

<b>ELECTRIC MOTOR</b>	
Type	Advanced electric motor
Horsepower	67 @ 1,650 – 2,000 rpm
Torque	214 lb-ft @ 1,650rpm

<b>BATTERY</b>	
Type	High-output laminated Lithium-ion (Li-ion)
Capacity	1.4 Wh
Nominal voltage	346 V
Battery saver timing device	Standard

<b>HYBRID SYSTEM NET POWER</b>	
Horsepower	360 hp

# 2016 Infiniti Q50 Sports Sedan – Hybrid

## Technical Specifications, Features and Options

DRIVETRAIN		Q50 Hybrid Premium	Q50 Hybrid Premium AWD
Drive configuration		S	-
Front engine/rear-wheel drive			
Front engine/ATESSA ET-S® all-wheel drive		-	S
Transmission type		7-speed automatic w/Sport mode and Downshift Rev Matching	
Adaptive Shift Control		S	
Hill Start Assist		S	
Gear ratios (:1)	<b>1<sup>st</sup></b>	4.783	
	<b>2<sup>nd</sup></b>	3.102	
	<b>3<sup>rd</sup></b>	1.984	
	<b>4<sup>th</sup></b>	1.371	
	<b>5<sup>th</sup></b>	1.000	
	<b>6<sup>th</sup></b>	0.870	
	<b>7<sup>th</sup></b>	0.775	
	<b>Rev.</b>	3.858	
Final drive ratio (:1)		2.611	
Advanced Vehicle Dynamic Control (VDC) with cancellation switch		S	

BODY, SUSPENSION AND STEERING		Q50 Hybrid Premium	Q50 Hybrid Premium AWD
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		Direct Adaptive Steering	
Steering ratio -Direct Adaptive Steering		12.07 – 32.94	11.86 – 32.36
Turning diameter (feet)		36.7	37.4
Turns (lock-to-lock)		2.12	2.02

BRAKES		Q50 Hybrid Premium	Q50 Hybrid Premium AWD
Type		Electric Driven Intelligent Brake (regenerative)	
Power-assisted	Front	S	
vented disc (in.)	12.6 x 1.1		
	Rear	S	
	12.1 x 0.6		
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	

# 2016 Infiniti Q50 Sports Sedan – Hybrid

## Technical Specifications, Features and Options

<b>WHEELS AND TIRES</b>		<b>Q50 Hybrid Premium</b>	<b>Q50 Hybrid Premium AWD</b>
<b>Wheels</b>			
Aluminum-alloy	19x8.5-in split 5-spoke machine finish	S	
<b>Tires</b>			
All-Season	Dunlop 245/40R19	-	S
Summer	Dunlop 245/40R19	S	-

<b>EXTERIOR DIMENSIONS (inches)</b>	<b>Q50 Hybrid Premium</b>	<b>Q50 Hybrid Premium AWD</b>
Wheelbase	112.2	
Overall length	188.3	
Overall width	71.8	
Overall height	56.8	57.2
Front track width	60.8	60.8
Rear track width	61.8	61.8
Minimum ground clearance	5.1	4.8
Coefficient of Drag (Cd)	0.26	0.26

<b>EXTERIOR FEATURES AND OPTIONS</b>	<b>Q50 Hybrid Premium</b>	<b>Q50 Hybrid Premium AWD</b>
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	

<b>INTERIOR DIMENSIONS (inches)</b>	<b>Front</b>	<b>Rear</b>
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

# 2016 Infiniti Q50 Sports Sedan – Hybrid

## Technical Specifications, Features and Options

INTERIOR FEATURES AND OPTIONS	Q50 Hybrid Premium	Q50 Hybrid Premium AWD
Leather-appointed seats		S
8-way power driver's seat w/power adjustable lumbar support		S
8-way power front passenger's seat		S
Leather-covered steering wheel with illuminated audio and cruise control buttons		S
Heated steering wheel		S
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™: fully customizable digital environment for storing driver settings to Intelligent Key		S
Maple wood trim		S
Aluminum sill plates w/ "Infiniti" script		S
Heated front seats		S
Around View® Monitor with Moving Object Detection (MOD)		S
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
Rear seat reading lights		S
Memory system for driver's seat, steering wheel and outside mirror		S
Driver's seat, steering wheel and outside mirrors position synchronization		S
Power tilt and telescope steering wheel with entry/exit assist		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
Locking glove compartment with light		S

# 2016 Infiniti Q50 Sports Sedan – Hybrid

## Technical Specifications, Features and Options

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
Driver and front-passenger sun visors with extenders and illum. vanity mirrors	S
Dual overhead map lights w/ sunglasses holder	S
Cupholders, 4 front, 2 rear	S
Infiniti Intelligent Key system with push button ignition	S
Trunk illumination and hooks (4)	S
Active Noise Control (ANC)	S

<b>INSTRUMENTATION</b>	
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	
HEV power gauge/meter	S

<b>AUDIO AND NAVIGATION SYSTEMS</b>	<b>Q50 Hybrid Premium</b>	<b>Q50 Hybrid Premium AWD</b>
Infiniti Studio on Wheels by Bose® Premium Audio system with 14 speakers, Bose® Centerpoint® simulated sound	S	
HD radio	S	
Speed sensing volume control	S	
Two USB inputs, aux input and video input	S	
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	

# 2016 Infiniti Q50 Sports Sedan – Hybrid

## Technical Specifications, Features and Options

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)	S
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---

<b>CAPACITIES</b>	
Seating capacity	5
Interior passenger volume (cu. ft.)	100.0
Trunk volume (cu. ft.)	9.4
Fuel tank (gals.)	17.8
Engine oil (qts.)	5.2
Engine coolant (qts.)	11.4

<b>EPA MILEAGE ESTIMATES</b> (Actual mileage may vary)	<b>Q50 Hybrid Premium RWD</b>	<b>Q50 Hybrid Premium AWD</b>
City	28	27
Highway	34	31
Combined	30	28
EPA Classification	Compact cars	

<b>CURB WEIGHTS (lbs)</b>	<b>Q50 Hybrid Premium RWD</b>	<b>Q50 Hybrid Premium AWD</b>
Front	2,101	2,246
Rear	1,821	1,848
Total	3,922	4,094
Weight distribution (% fr/rr, w/ driver)	53.6/46.4	54.9/45.1
GVWR (lbs.)	4,960	5,159

# 2016 Infiniti Q50 Sports Sedan – Hybrid

## Technical Specifications, Features and Options

SAFETY AND SECURITY FEATURES	Q50 Hybrid Premium	Q50 Hybrid Premium AWD
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)		S
Intelligent Cruise Control (Full Speed Range)		P
Backup Collision Intervention (BCI) with Rear Cross Traffic Alert (RCTA)		S
Distance Control Assist (DCA)		P
Predictive Forward Collision Warning (PFCW)		S
Forward Emergency Braking (FEB)		S
Lane Departure Warning (LDW)		P
Lane Departure Prevention with Active Lane Control™ (utilizing world's first production Direct Active Steering technology)		P

PACKAGES AND OPTIONS	Q50 Hybrid Premium	Q50 Hybrid Premium AWD
<b>Technology Package:</b> 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	O	O

# **2016 Infiniti Q50 Sports Sedan – Hybrid**

*Technical Specifications, Features and Options*

**O** – Optional

**S** – Standard

**P** – Included in Package

2/16