

2018 INFINITI Q50 SPORTS SEDAN - 3.0T

Technical Specifications, Features and Options

Note: 2018 INFINITI Q50 2.0t and Q50 Hybrid specifications available at INFINITInews.com

ENGINE		Q50 3.0t LUXE	Q50 3.0t 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 @ 1,500 - 5,200 rpm	295 lb-ft @ 1,500 - 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 (RWD), 1 solid (AWD)		
Fuel delivery system		Direct fuel injection		
Required fuel		Premium unleaded		
Emissions system		Closed loop feedback system with 4 catalysts		
Emission certification level		Tier3Bin125/LEV2-ULEV		
Exhaust	3.0t LUXE, 3.0t SPORT RED SPORT 400	Dual with chrome finishers Dual with brushed finishers		

ELECTRICAL	Q50 3.0t LUXE	Q50 3.0t 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 LUXE	Q50 3.0t SPORT	Q50 RED SPORT 400
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)	1 st	4.783		
	2 nd	3.103		
	3 rd	1.984		
	4 th	1.371		
	5 th	1.000		
	6 th	0.871		
	7 th	0.776		
	Rev.	3.859		
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 LUXE	Q50 3.0t 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		-	0	S
Steering type		Rack Electronic Power Steering Available Direct Adaptive Steering		
Steering ratio non-Direct Adaptive Steering	RWD	16.9:1	16.9:1	15.0:1
	AWD	16.7:1	16.7:1	16.7:1
Turns (lock-to-lock) non-Direct Adaptive Steering	RWD	3.01	3.01	2.68
	AWD	2.88	2.88	2.88
Direct Adaptive Steering		0		
Steering ratio - Direct Adaptive Steering	RWD	12.07 - 32.94		
	AWD	11.86 - 32.36		
Turns (lock-to-lock) Direct Adaptive Steering	RWD	2.12		
	AWD	2.02		
Turning diameter (feet)	RWD	36.7		
	AWD	37.4		

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BRAKES	Q50 3.0t LUXE	Q50 3.0t SPORT	Q50 RED SPORT 400
Power-assisted Front vented disc 12.6 x 1.1 (in.)	S	S	-
Rear 12.1 x 0.6	S	S	-
Front 14.0 x 1.3	-	O	S
Rear 13.8 x 0.8	-	O	S
2-piston front/1piston rear calipers	S	S	-
4-piston front/2-piston rear calipers	-	O	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 LUXE	Q50 3.0t SPORT	Q50 RED SPORT 400
Wheels			
Aluminum- 18x7.5-in alloy	S	-	-
19x8.5-in sport	-	S	-
19x9-in AWD	-	-	S
19x9.0-in front, 19x9.5-in rear RWD	-	-	S
Tires - Run Flat			
All- Season Bridgestone 225/50R18	S	-	-
Summer Dunlop 245/40R19	-	S- RWD	-
All- Season Dunlop 245/40R19	-	S-AWD	S-AWD
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
Tire Pressure Monitoring System (TPMS) - direct sensor type		S	

EXTERIOR DIMENSIONS (inches)	Q50 3.0t LUXE	Q50 3.0t SPORT	Q50 RED SPORT 400
Wheelbase		112.2	
Overall length		189.6	
Overall width		71.8	
Overall height	RWD	56.8	

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	AWD	57.2		
Front track width	RWD	60.8	60.4	60.6
	AWD	60.8	60.4	60.4
Rear track width	RWD	61.8	61.4	61.4
	AWD	61.8	61.4	61.4
Minimum ground clearance	RWD	5.3	5.1	5.2
	AWD	4.9	4.8	4.8
Coefficient of Drag (Cd)	RWD	0.26	0.28	0.29
	AWD	0.27	0.28	0.28

EXTERIOR FEATURES AND OPTIONS	Q50 3.0t LUXE	Q50 3.0t 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	O		
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	O		
Tinted glass power moonroof with rear tilt feature, sliding sunshade, one-touch operation	S		
Unique sport front fascia, rear bumper appearance	-	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 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 LUXE	Q50 3.0t SPORT	Q50 RED SPORT 400
Leatherette seating surfaces	S	-	-
Leather-appointed seats	O	-	-
Sport-type leather-appointed seats	-	S	S
8-way power driver's seat w/manual adjustable lumbar support	S	-	-

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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
Front sport passenger's seat with manual thigh extension	-	S	S
60/40 split-folding rear seat	-	O	S
Leather-covered steering wheel with illuminated audio and cruise control buttons	S		
Heated steering wheel	O	O	S
Fine Vision electroluminescent instrumentation	S		
INFINITI InTouch™ dual display system with upper 8" and lower 7" VGA LCD touch screens	S		
INFINITI Controller	S		
INFINITI InTuition™: a fully customizable digital environment for storing driver settings to Intelligent Key	S		
"Kacchu" finish aluminum trim	-	S	S
Maple wood trim	S	-	-
Aluminum sill plates w/ "INFINITI" script	S		
Heated front seats	O	O	S
Around View® Monitor with Moving Object Detection	O	O	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 with Plasmacluster® air purifier	S		
Aluminum accented pedals	-	-	S
Memory system for driver's seat, steering wheel and outside mirror	O	O	O
Driver's seat, steering wheel and outside mirrors position synchronization	O		
Power tilt and telescope steering wheel with entry/exit assist	O	S	S
Rear Sonar System	O	O	S
Fold-down rear center armrest with trunk pass-through feature	O	-	-
Rear window defroster with indicator light and timer	S		
Illuminated entry system with time delay fade-out	S		
Front seatback pockets	S		

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Cruise control w/ steering wheel mounted controls	S		
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		
Cup holders, 4 front, 2 rear	S		
INFINITI Intelligent Key system with push button ignition	S		
Trunk illumination and hooks (4)	S		
Solid magnesium paddle shifters (steering wheel-mounted)	-	O	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 with instant fuel economy, driving time, outside temperature, distance to empty, average speed, average fuel economy	

AUDIO AND NAVIGATION SYSTEMS	Q50 3.0t LUXE	Q50 3.0t SPORT	Q50 RED SPORT 400
6-speaker audio system with RDS, MP3 playback capability and in-dash CD player	S	S	S
Bose® Performance Series Audio system with 16 speakers, Bose® Performance Centerpoint® simulated sound, CD player, RDS and MP3 playback capability	O	O	O

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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) with 4-year complimentary access	S		
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)	O	O	S

CAPACITIES	
Seating capacity	5
Interior passenger volume (cu. ft.)	100.0 w/moonroof
Trunk volume (cu. ft.)	13.5
Fuel tank (gals.)	20.0
Engine oil (qts.)	5.0
Engine coolant (qts.)	9.5

CURB WEIGHTS (lbs)	Q50 3.0t LUXE RWD	Q50 3.0t LUXE AWD	Q50 3.0t SPORT RWD	Q50 3.0t SPORT AWD	Q50 RED SPORT 400 RWD	Q50 RED SPORT 400 AWD
Front	2,094	2,227	2,121	2,253	2,145	2,277
Rear	1,636	1,657	1,653	1,676	1,695	1,716
Total	3,730	3,884	3,774	3,929	3,840	3,993
Weight distribution (% fr/rr, w/ driver)	56/44	57/43	56/44	57/43	56/44	57/43
GVWR (lbs.)	4,980	5,159	4,980	5,159	4,980	5,159

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EPA MILEAGE ESTIMATES (Actual mileage may vary)	Q50 3.0t LUXE RWD	Q50 3.0t LUXE AWD	Q50 3.0t SPORT RWD	Q50 3.0t SPORT AWD	Q50 RED SPORT 400 RWD	Q50 RED SPORT 400 AWD
City	20	19	20	19	20	19
Highway	29	27	29	27	26	26
Combined	23	22	23	22	22	22
EPA Classification	Mid-size cars					

SAFETY AND SECURITY FEATURES	Q50 3.0t LUXE	Q50 3.0t 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	S		
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection	S		
LATCH System (Lower Anchors and Tethers for CHildren)	S		
Front seat belts with pretensioners and load limiters	S		
Zone Body construction	S		
Power window lockout function	S		
Shift interlock system	S		
Energy-absorbing steering column	S		
Vehicle Security System with indicator light and Infiniti Vehicle Immobilizer System	S		
Remote Keyless Entry system with panic alarm	S		
Vehicle Dynamic Control (VDC)	S		
Tire Pressure Monitoring System (TPMS)	S		
Brake-Operated Pre-Crash Seat Belts	O		
Blind Spot Warning and Blind Spot Intervention®	O	O	S
Blind Spot Intervention	O		
Intelligent Cruise Control (Full Speed Range)	O		
Backup Collision Intervention	O		
Distance Control Assist	O		
Forward Collision Warning	O	O	S
Predictive Forward Collision Warning	O	O	S
Forward Emergency Braking	O	O	S
Lane Departure Warning	O		
Lane Departure Prevention with Active Lane Control™	O		

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PACKAGES AND OPTIONS	Q50 3.0t LUXE	Q50 3.0t SPORT	Q50 RED SPORT 400
Essential Package (3.0t LUXE): INFINITI InTouch™ with Navigation and INFINITI InTouch™ Services - INFINITI InTouch™ with Navigation with Lane Guidance and 3-D 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 (four years free service) (SiriusXM® subscription required, sold separately); heated steering wheel; driver/front passenger heated seats; 60/40 split fold-down rear seat with center armrest and pass-thru; front driver's seat power lumbar, remote start	0	-	-
Essential Package (3.0 SPORT): INFINITI InTouch™ with Navigation and INFINITI InTouch™ Services - INFINITI InTouch™ with Navigation with Lane Guidance and 3-D 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 (four years free service) (SiriusXM® subscription required, sold separately); heated steering wheel; driver/front passenger heated seats; 60/40 split fold-down rear seat with center armrest and pass-thru; remote engine start	-	0	-
Sensory Package (LUXE): Bose® Performance Series Audio system with 16 speakers, Bose® Performance Centerpoint® simulated sound, RDS and MP3 playback capability; auto dimming outside mirrors; memory function for steering wheel, driver's seat and outside mirrors; leather-appointed seats; enhanced ambient lighting; steering wheel power tilt and telescoping; Advanced Climate Control System with Plasmacluster® air purifier and Grape Polyphenol Filter	0	-	-
Sensory Package (SPORT): Bose® Performance Series Audio system with 16 speakers, Bose® Performance Centerpoint® simulated sound, RDS and MP3 playback capability; auto dimming outside mirrors; memory function for steering wheel, driver's seat and outside mirrors;	-	0	0

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enhanced ambient lighting; steering wheel power tilt and telescoping; Advanced Climate Control System with Plasmacluster® air purifier and Grape Polyphenol Filter			
Performance Package: Dynamic Digital Suspension (sport-tuned); sport brakes, steering wheel-mounted paddle shifters	-	O	-
ProASSIST: Blind Spot Warning; Backup Collision Intervention with Rear Cross Traffic Alert; Around View® Monitor with Moving Object Detection; front and rear parking sensors; Forward Emergency Braking; Predictive Forward Collision Warning; Active Pedal	O	O	S
High Performance Conventional Summer Tire: Replaces run-flat tires with conventional tires	-	-	O (RWD)
ProACTIVE Package: Auto leveling Adaptive Front Lighting System; High Beam Assist; Lane Departure Warning, Lane Departure Prevention; Intelligent Cruise Control (Full-Speed Range); Distance Control Assist; Direct Adaptive Steering; Eco pedal; Blind Spot Intervention; Front Seat Driver/Passenger Pre-Crash Seat Belts	O	O	O
Spare Tire: Temporary spare with jack	-	-	O (RWD)

O - Optional

S - Standard

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