

2021 INFINITI Q50 SPORTS SEDAN

Technical Specifications, Features and Options

ENGINE	Q50 PURE, LUXE, SENSORY		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		400 hp @ 6,400 rpm
Torque	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		
Maximum engine speed	6,800 rpm		
Induction system	Twin turbochargers		
Intercooler	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 PURE, LUXE, SPORT RED SPORT 400	Dual with chrome finishers Dual with brushed finishers	

ELECTRICAL	Q50 PURE, LUXE, SENSORY		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 PURE, LUXE, SENSORY	Q50 RED SPORT 400
Drive configuration Front engine/rear-wheel drive Front engine/ATESSA ET-S® all-wheel drive		S (RWD)	S (RWD)
		S (AWD)	S (AWD)
Transmission type		7-speed automatic with 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	3.133
Advanced Vehicle Dynamic Control with cancellation switch		S	

BODY, SUSPENSION AND STEERING		Q50 PURE, LUXE SENSORY	Q50 RED SPORT 400
Body type	Unibody	High-strength steel corrosion-resistant, aluminum hood	
Front suspension		Independent double-wishbone with stabilizer bar	
Rear suspension		Multi-link independent with stabilizer bar	
Electronic controlled Digital Dynamic Suspension		-	S
Rack Electronic Power Steering (EPS)		S	S
Direct Adaptive Steering		-	O
Steering ratio Rack EPS	RWD AWD	16.9:1 16.7:1	15.0:1 16.7:1
Turns (lock-to-lock)	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	
Haptic steering wheel (w/Lane Departure Warning)		S (except PURE)	

BRAKES	Q50 PURE, LUXE SENSORY	Q50 RED SPORT 400
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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
2-piston front/1-piston rear calipers		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		S	
Parking brake		Foot-operated	

WHEELS AND TIRES		Q50 PURE	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Wheels					
Aluminum-alloy	17x7.5-in	S	-	-	-
	18x7.5-in	-	S	-	-
	19x8.5-in sport	-	-	S	-
	19X8.5 split 5-spoke bright	-	-	-	-
	19x9-in AWD	-	-	-	S
	19x9.0-in front, 19x9.5-in rear RWD	-	-	-	S
Tires – Run Flat					
All-Season	Bridgestone 225/55R17	S	-	-	-
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
Tire Pressure Monitoring System – direct sensor type		S			

EXTERIOR DIMENSIONS (inches)		Q50 PURE	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Wheelbase		112.2			
Overall length		189.6			
Overall width		71.8			
Overall height		57.2			
Front track width	RWD	60.8	60.8	60.4	60.6
	AWD	60.8	60.8	60.4	60.4
Rear track width	RWD	61.6	61.8	61.4	61.4
	AWD	61.6	61.8	61.4	61.4
Minimum ground clearance	RWD	5.0	5.3	5.1	5.2
	AWD	5.0	4.9	4.9	4.8

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Coefficient of Drag (Cd)	RWD	0.26	0.26	0.28	0.29
	AWD	0.26	0.27	0.28	0.28

EXTERIOR FEATURES AND OPTIONS	Q50 PURE	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Signature LED headlights (LED high/low beam), daytime running lights	S			
Automatic on/off headlights	S			
Adaptive Front lighting System 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	S	S	-
Black dual power controlled heated outside mirrors	-	-	-	S
Auto dimming outside mirrors with reverse synchronization, memory feature, power folding	-	-	S	S
Tinted glass power moonroof with rear tilt feature, sliding sunshade, one-touch operation	-	S	S	S
Chrome front fascia finishers	-	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	S	-
Unique brushed Satin 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

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INTERIOR FEATURES AND OPTIONS	Q50 PURE	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Leatherette seating surfaces	S	S	-	-
Sport-type leather-appointed seats	-	-	S	-
Saddle Brown leather-appointed sport seats	-	-	-	-
Quilted semi-aniline leather-appointed sport seats with red contrast stitching	-	-	-	S
8-way power driver's seat with 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			
Front sport passenger's seat with manual thigh extension	-	-	S	S
60/40 split-folding rear seat	-	S	S	S
Leather-covered steering wheel with illuminated audio and cruise control buttons	S			
Heated steering wheel	-	S	S	S
Fine Vision electroluminescent instrumentation	S			
INFINITI InTouch™ HD dual-display system with upper 8-inch and lower 7-inch VGA LCD touch screens	S			
INFINITI Controller	S			
INFINITI InTuition™: a fully customizable digital environment for storing driver settings to Intelligent Key	S			
Lunar black trim	S	-	-	-
Textured aluminum interior trim	-	S	-	-
Black Open Pore wood interior trim	-	-	S	-
Genuine Black Matte Carbon interior trim	-	-	-	S
Aluminum kick plates with INFINITI script	S			
INFINITI illuminated aluminum kick plates (front only)	S			
Heated front seats	-	S	S	S
Around View® Monitor with Moving Object Detection	-	S	S	S
HomeLink® Universal Transceiver	-	S	S	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	S
Aluminum accented pedals	-	-	-	S
Memory system for driver's seat, steering wheel and outside mirror	-	-	S	S

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Power tilt and telescope steering wheel with entry/exit assist	-	-	S	S
Rear Sonar System	-	S	S	S
Fold-down rear center armrest with trunk pass-through feature	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 with 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 with 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)	-	-	-	S
Front armrest with storage compartment, 12-volt power outlet, two USB connection ports (one Type-A, one Type-C) (charge only)	S			
Retained accessory power for windows and moonroof	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 PURE	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
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INFINITI InTouch™ System with HD dual-display LCD/VGA 8-inch upper and 7-inch lower touchscreens	S			
Apple CarPlay® integration	S			
Android Auto™ integration	S			
Bose® Performance Series Audio system with 16 speakers, Bose® Performance CenterPoint® simulated sound, CD player, RDS and MP3 playback capability	-	-	S	S
HD radio	S			
Speed sensing volume control	S			
Wi-Fi Hotspot	S			
Rear window in-glass diversity antenna	S			
SiriusXM® 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)	S			
Steering-wheel mounted audio controls	S			
INFINITI Voice Recognition	S			
Navigation with Lane Guidance, 3D building graphics, five years complimentary access to premium traffic, MapCare, voice recognition for navigation functions, including one-shot voice destination entry, Automatic Collision Notification and Emergency Call, Wi-Fi Hotspot, SiriusXM® Traffic, including real-time traffic information (SiriusXM® subscription required, sold separately)	-	-	S	S

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CAPACITIES	
Seating capacity	5
Interior passenger volume (cu. ft.)	100.0 with moonroof
Trunk volume (cu. ft.)	13.5
Fuel tank (gals.)	20.0
Engine oil (qts.)	5.1 RWD, 5.8 AWD
Engine coolant (qts.)	9.25, 10.9 RED SPORT 400

CURB WEIGHTS (lbs)	PURE RWD	PURE AWD	LUXE RWD	LUXE AWD	SENSORY RWD	SENSORY AWD	RED SPORT 400 RWD	RED SPORT 400 AWD
Front	2,079	2,211	2,098	2,231	2,121	2,253	2,153	2,283
Rear	1,606	1,631	1,634	1,676	1,653	1,676	1,702	1,715
Total	3,685	3,842	3,732	3,888	3,774	3,929	3,855	3,998
Weight distribution (% fr/rr, with driver)	56/44	58/42	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	4,980	5,159

EPA MILEAGE EST. (Actual mileage may vary, based on 2020 Q50)	PURE RWD	PURE AWD	LUXE RWD	LUXE AWD	SENSORY RWD	SENSORY AWD	RED SPORT 400 RWD	RED SPORT 400 AWD
City	20	19	20	19	20	19	20	19
Highway	29	27	29	27	29	27	26	26
Combined	23	22	23	22	23	22	22	22
EPA Classification	Mid-size cars							

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SAFETY AND SECURITY FEATURES	Q50 PURE	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Advanced Air Bag System with dual-stage supplemental front air bags with occupant classification sensor	S	S	S	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				
Tire Pressure Monitoring System				
Pre-Crash Seat Belts	-	-	-	O
Blind Spot Warning	-	S	S	S
Blind Spot Intervention	-	-	-	O
Intelligent Cruise Control (Full Speed Range)	-	S	S	S
Backup Collision Intervention	-	S	S	S
Distance Control Assist	-	S	S	S
Predictive Forward Collision Warning	S			
Forward Emergency Braking	S			
Lane Departure Warning	-	S	S	S
Lane Departure Prevention with Active Lane Control™	-	-	-	O

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PACKAGES AND OPTIONS	Q50 PURE	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Seat & Sound Package: Leather-appointed seats, Bose® Performance Series Audio 16-speaker stereo with Bose® Centerpoint® simulated sound, driver's seat power lumbar, enhanced ambient lighting	-	○	-	-
ProACTIVE Package: Direct Adaptive Steering®; Lane Prevention; Active Lane Control; Blind Spot Intervention; Adaptive Front Lighting System with auto-leveling headlights; Front Seat Driver/Passenger Pre-Crash Seat Belts; Eco Pedal; INFINITI radiant grille emblem with black grille	-	-	-	○

○ – Optional

S – Standard

9/20