

2023 INFINITI Q50 Specifications

Engine	Q50 LUXE, SENSORY	Q50 RED SPORT 400
Type	VR30DDTT	
Camshaft design	DOHC	
Configuration / Orientation	Longitudinally mounted	
Cylinders / Configuration	V-6	
Block / Cylinder head composition	Aluminum / Aluminum	
Displacement (l / cc)	3.0 liter/2,997 cc	
Horsepower	300 hp @ 6,400 rpm	400 hp @ 6,400 rpm
Torque (lb-ft)	295 lb-ft @ 1,500-5,200 rpm	350 lb-ft @ 1,600-5,200 rpm
Bore & stroke (mm)	86 x 86	
Compression ratio (:1)	10.3	
Maximum engine speed (redline rpm)	6,800 rpm	
Induction system	Twin turbochargers	
Intercooler	Water-cooled, single pump	Water-cooled, twin pumps
Fuel delivery system	Direct fuel injection	
Valvetrain	4 valves per cylinder, Continuously Variable Valve Timing	
Recommended fuel	Premium unleaded	
Emission certification level	Tier3 Bin125/ LEV2-ULEV	

Transmission and Drive System		Q50 LUXE, SENSORY	Q50 RED SPORT 400
Drive configuration	Front engine	Rear-wheel drive	Rear-wheel drive
	Front engine/ ATESSA ET-S® all-wheel drive	All-wheel drive	All-wheel drive
Transmission type		7-speed automatic with sport mode and Downshift Rev Matching	
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	
Reverse gear		3.859	
Final drive (:1)		2.937	3.133
Adaptive Shift Control		S	
Advanced Vehicle Dynamic with cancellation switch		S	
Hill Start Assist		S	

Brakes	Q50 LUXE, SENSORY	Q50 RED SPORT 400
Front (in)	Ventilated disc, 12.6 x 1.1 dual-piston calipers	Ventilated disc, 14.0 x 1.3 4-piston calipers

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Rear (in)	Ventilated disc, 12.1 x 0.6 single floating caliper	Ventilated disc, 13.8 x 0.8 dual-piston calipers
Parking brake	Mechanical, foot pedal	
Electronic brake force distribution	S	
Anti-lock braking system		
Brake assist with preview braking function		

Suspension and Steering	Q50 LUXE, SENSORY	Q50 RED SPORT 400
Front suspension	Independent double wishbone with stabilizer bar	
Rear suspension	Multilink independent with stabilizer bar	
Electronic-controlled Digital Dynamic Suspension	-	S
Shock absorbers	Twin tube with dual-flow path	
Rack Electronic Power Steering (EPS)	S	
Steering ratio Rack EPS (:1)	RWD: 16.9 AWD: 16.7	RWD: 15.0 AWD: 16.7
Curb-to-curb turning circle diameter (ft)	RWD: 36.7 AWD: 37.4	

Exterior Dimensions (in)	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 AWD: 60.8	RWD: 60.4 AWD: 60.4	RWD: 60.6 AWD: 60.4
Rear track width	RWD: 61.8 AWD: 61.8	RWD: 61.4 AWD: 61.4	RWD: 61.4 AWD: 61.4
Ground clearance	RWD: 5.3 AWD: 4.9	RWD: 5.1 AWD: 4.9	RWD: 5.2 AWD: 4.8
Coefficient of drag (Cd)	RWD: 0.26 AWD: 0.27	RWD: 0.28 AWD: 0.27	RWD: 0.29 AWD: 0.28

Capacities & Volume	
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)	RWD: 5.1, AWD: 5.8
Engine coolant (qts)	9.25, 10.9 RED SPORT 400

Interior Dimensions (in)		
Headroom		
	Front seats	39.5
	Rear seats	36.8
Legroom		
	Front seats	44.5

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	Rear seats	35.1
Shoulder room		
	Front seats	56.7
	Rear seats	56.1
Hip room		
	Front seats	53.2
	Rear seats	52.5

Wheels and Tires	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
18 x 7.5-inch aluminum-alloy wheels	S	-	-
19 x 8.5-inch split five-spoke sport-designed aluminum-alloy wheels	-	S	-
Dark finish staggered aluminum-alloy wheels, 19 x 9-inch front, 19 x 9.5-inch rear (RWD only)	-	-	S
19 x 9-inch dark finish aluminum-alloy wheels (AWD only)	-	-	S
Bridgestone all-season run-flat 225/50R18	S	-	-
Dunlop summer run-flat 240/40R19	-	S (RWD)	-
Dunlop all-season run-flat 245/40R19	-	S (AWD)	S (AWD)
Dunlop summer run-flat staggered (FR: 245/40R19, RR: 265/35R19)	-	-	S (RWD)
Tire pressure monitoring system-Direct sensor type	S		
Easy fill tire alert	S		

Exterior Features and Options	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Signature LED headlights (LED low/high beam)	S		
Automatic on/off headlights	S		
LED tail lamps and center high-mounted stoplight (CHMSL)	S		
Power folding and power adjustable heated outside mirrors with integrated turn signals and reverse sync	S	-	
Power folding, auto dimming and power adjustable heated outside mirrors with integrated turn signals and reverse sync	-	S	
Body-color outside mirrors	S		-
Black outside mirrors	-		S
Tinted glass power moonroof with one-touch auto open/close, auto revers and tilt feature	S		
Luxury-style front fascia	S	-	-
Sport-style front fascia	-	S	

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Luxury-style rear fascia with body-color exhaust surround and black diffuser	S	-
Sport-style rear fascia with black exhaust surround and body-color diffuser	-	S
UV-reducing, noise-insulated windshield and windows	S	
Speed-sensing flat-blade variable intermittent front windshield wipers	S	
Front-door handle courtesy lights	S	
Dual chrome exhaust finishers	S	-
Unique dual exhaust tips with brushed satin finish	-	S
Red "S" rear badging	-	S

Interior Features and Options	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Leather-appointed seats	S		-
Quilted semi-aniline leather-appointed seats with red contrast stitching	-		S
Driver's Seat			
8-way power	S		
2-way power lumbar	S		
Heated	S		
Manual thigh extension	-		S
Dual occupant memory system for seat, steering wheel and outside mirrors	S		
Entry/exit assist	S		
Front Passenger's Seat			
8-way power	S		
Heated	S		
Manual thigh extension	-		S
Rear Seats			
60/40-split folding, bench seat	S		
Interior Accents			
Leather-wrapped, heated steering wheel	S		
Dual-zone Automatic Temperature Control system	S	-	
Advanced Climate Control System with auto-recirculation, Plasmacluster™ technology, Grape Polyphenol filter	-	S	
Enhanced ambient lighting	-	S	

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Textured aluminum trim on center console and doors	S	-	-
Black open-pore wood interior trim	-	S	-
Exclusive dark chrome interior accents	-	-	S
Genuine black matte carbon interior trim	-	-	S
Red contrast stitching on dashboard and shifter	-	-	S
Exclusive design steering wheel-mounted paddle shifters	-	-	S
Homelink® Universal Transceiver	S		
Two 12V power points	S		
Driver's seat power side bolsters	-	-	S

Audio and Infotainment	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
INFINITI InTouch™ dual HD display system with LCD/VGA 8.0-inch upper and 7.0-inch lower touchscreens	S		
INFINITI InTouch™ services	S		
Siri® Eyes Free	S		
Wireless Apple CarPlay® integration	S		
Android Auto™ integration	S		
Bose® Performance Series Audio 16-speaker with Bose® Centerpoint® simulated surround	S		
HD Radio® Technology	S		
Streaming audio via Bluetooth®	S		
Voice Recognition	S		
SiriusXM® Radio (Subscription required, sold separately)	S		
Wi-Fi hotspot	S		
Two illuminated USB connection ports (one Type-A, one Type-C)	S		
Navigation with detailed real time Premium Traffic info, 3D building graphics, & seamless turn-by-turn directions, SiriusXM® Travel Link and SiriusXM® Traffic	-	S	

Safety, Security and Driver-Assist Features	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
INFINITI Advanced Air Bag System	S		
Driver and front passenger seat-mounted side-impact supplemental air bags	S		
Roof-mounted side-impact supplemental curtain air bags	S		

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Three-point front seat belt with pretensioners and load limiters	S
Forward Emergency Braking	S
Predictive Forward Collision Warning	S
Lower Anchors & Tethers for Children (LATCH)	S
INFINITI Vehicle Immobilizer System	S
Around View Monitor® with Moving Object Detection	S
Blind Spot Warning	S
Front and rear sonar systems	S
High Beam Assist	S
Lane Departure Prevention system w/Haptic Steering Wheel	S
Backup Collision Intervention	S
High Beam Assist	S
Vehicle Dynamic Control (VDC) with Traction Control System	S

Packages and Options	Q50 LUXE	Q50 SENSORY	Q50 RED SPORT 400
Saddle Brown Interior	A	A	-
Radiant Grille Emblem	-	A	A

	Q50 LUXE RWD	Q50 LUXE AWD	Q50 SENSORY RWD	Q50 SENSORY AWD	Q50 RED SPORT 400 RWD	Q50 RED SPORT 400 AWD
Front	2,114	2,244	2,132	2,260	2,167	2,293
Rear	1,667	1,691	1,682	1,706	1,713	1,730
Total	3,781	3,935	3,814	3,966	3,880	4,023
Weight distribution (% FR/RR, with driver)	56/44	57/43	56/44	57/43	56/44	57/43
GVWR	4,980	5,159	4,980	5,159	4,980	5,159

EPA Est. Fuel Economy (mpg)	Q50 LUXE RWD	Q50 LUXE AWD	Q50 SENSORY RWD	Q50 SENSORY 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 Size Class	Mid-size car					