

2023 INFINITI Q50 Specifications

Engine	Q50 PURE, LUXE, Signature Edition	Q50 RED SPORT I- LINE
Type	VR30DDTT	
Camshaft design	DOHC	
Configuration / Orientation	Longitudinally mounted	
Cylinders / Configuration	V-6	
Block / Cylinder head composition	Aluminum / Aluminum	
Displacement (l / cc)	3.0 litre/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 Injection Gasoline (DIG™)	
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 PURE, LUXE, Signature Edition	Q50 RED SPORT I-LINE
Drive configuration			
	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 PURE, LUXE, Signature Edition	Q50 RED SPORT I-LINE
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 PURE, LUXE, Signature Edition	Q50 RED SPORT I-LINE
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)	AWD: 16.7	AWD: 16.7
Curb-to-curb turning circle diameter (ft)	AWD: 37.4	

Exterior Dimensions (mm (in))	Q50 PURE	Q50 LUXE, Signature Edition	Q50 RED SPORT I-LINE
Wheelbase	2,850 (112.2)		
Overall length	4,816 (189.6)		
Overall width	1,824 (71.8)		
Overall height	1,353 (57.2)		
Front track width	AWD: 1,544 (60.8)	AWD: 1,534 (60.4)	AWD: 1,534 (60.4)
Rear track width	AWD: 1,570 (61.8)	AWD: 1,560 (61.4)	AWD: 1,560 (61.4)
Ground clearance	AWD: 5	AWD: 4.9	AWD: 4.8
Coefficient of drag (Cd)	0.26	0.27	0.28

Capacities & Volume	
Seating Capacity	5
Interior passenger volume (litres)	2,832 (with moonroof)
	PURE 2,874 (101.5) (without moonroof)
Trunk volume (litres)	382.2 (13.5)
Fuel tank (litres)	76
Engine oil (litres)	AWD: 5.4
Engine coolant (litres)	8.8, 10.3 RED SPORT I-LINE

Interior Dimensions (litres)		
Headroom		
	Front seats (without sunroof / with sunroof)	1,021/1,003
	Rear seats (without sunroof / with sunroof)	953/935
Legroom		

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	Front seats	1,130
	Rear seats	892
Shoulder room		

	Front seats	1,440
	Rear seats	1,425
Hip room		
	Front seats	1,351
	Rear seats	1,334

Wheels and Tires	Q50 PURE	Q50 LUXE	Q50 Signature Edition	Q50 RED SPORT I-LINE
17 x 7.5-inch aluminum-alloy wheels	S	-	-	-
18 x 7.5-inch aluminum-alloy wheels	-	S	-	-
19 x 8.5-inch split five-spoke sport-designed aluminum-alloy wheels	-	-	S	-
19 x 9-inch exclusive dark finish aluminum-alloy sport wheels	-	-	-	S
Bridgestone all-season run-flat 225/55R17	S	-	-	-
Bridgestone all-season run-flat 225/50R18	-	S	-	-
Dunlop all-season run-flat 245/40R19	-	-	S	S
Tire pressure monitoring system-Direct sensor type	S			
Easy fill tire alert	S			

Exterior Features and Options	Q50 PURE	Q50 LUXE	Q50 Signature Edition	Q50 RED SPORT I-LINE
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, auto dimming and power adjustable heated outside mirrors with integrated turn signals and reverse sync	-	S		
Body-colour outside mirrors	S			-
Black outside mirrors	-			S

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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

Luxury-style rear fascia with body-colour exhaust surround and black diffuser	S	-
Sport-style rear fascia with black exhaust surround and body-colour 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
"I-LINE" fender badging	-	S

Interior Features and Options	Q50 PURE	Q50 LUXE	Q50 SPORT TECH	Q50 RED SPORT I- LINE
Leatherette-appointed seats	S	-	-	-
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			
Dual occupant memory system for seat 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		

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Interior Accents		
Leather-wrapped, heated steering wheel	S	
Dual-zone Automatic Temperature Control system	S	-
Advanced Climate Control System with auto-	-	S

recirculation, Plasmacluster™ technology, Grape Polyphenol filter				
Enhanced ambient lighting	-		S	
Lunar Black Lacquer trim on center console and doors	S	-	-	-
Textured aluminum trim on center console and doors	-	S	-	-
Black open-pore wood interior trim	-	-	S	-
Kacchu Aluminum trim on center console and doors	-	-	-	S
Exclusive dark chrome interior accents	-	-	-	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 PURE	Q50 LUXE	Q50 SPORT TECH	Q50 RED SPORT I-LINE
INFINITI InTouch™ dual HD display system with LCD/VGA 8.0-inch upper and 7.0-inch lower touchscreens	S			
INFINITI InTouch™ Services telematics	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			

All information current as of July 2022. Equipment may vary by region. Updates available online at www.infinitinews.com

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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 PURE	Q50 LUXE	Q50 Signature Edition	Q50 RED SPORT I-LINE
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			
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		
Blind Spot Intervention	-			S
Front and rear sonar systems	-	S		
High Beam Assist	-	S		
Lane Departure Warning w/Haptic Steering Wheel	-	S		
Lane Departure Prevention system	-			S
Backup Collision Intervention	-	S		
Vehicle Dynamic Control (VDC) with Traction Control System	S			

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Curb Weights (kg)	Q50 PURE AWD	Q50 LUXE AWD	Q50 Signature Edition AWD	Q50 RED SPOR T I- LINE AWD
Front	1,002	1,018	1,024	1,039
Rear	740	766	773	784
Total	1,742	1,784	1,797	1,823

Weight distribution (% FR/RR, with driver)	56/44	57/43	57/43	57/43
GVWR	4,980	5,159	5,159	5,159

EPA Est. Fuel Economy (L/100km)	Q50 PURE, LUXE, Signat ure Edition AWD	Q50 RED SPORT I- LINE AWD
City	12.5	12.5
Highway	8.7	9.3
Combined	10.8	11.1
EPA Size Class	Mid-size car	