

2009 Infiniti FX50 and FX35

Technical Specifications Features and Options

Source of Production: Nissan Motor Co., Ltd.

Assembly Plant Location: Tochigi, Japan

ENGINE	V8 AWD	V6 AWD	V6 RWD
Type	VK50VE DOHC 32-valve with Variable Valve Event & Lift (VVEL) system	VQ35HR DOHC 24-valve	
Orientation	Longitudinal		
Cylinders / configuration	V8	V6	
Block / head composition	Aluminum / aluminum		
Displacement	5.0 liters	3.5 liters	
Horsepower	390 @ 6,500 rpm	303 @ 6,800 rpm	
Torque	369 lb-ft @ 4,400 rpm	262 lb-ft @ 4,800 rpm	
Bore x stroke (mm)	95.5 x 87.7	95.5 x 81.4	
Compression ratio (:1)	10.9	10.6	
Valvetrain	4 valves per cylinder with continuous variable valve timing control	4 valves per cylinder with continuous variable valve timing control	
Required fuel	Premium unleaded	Premium unleaded	
Emissions system	Closed loop feedback system with 3-way catalysts		
Exhaust	Stainless steel with dual outlets		
Maximum engine speed	6,800 rpm	7,500 rpm	
Emissions certification level	50-state LEV2-LEV (NLEV)		

ELECTRICAL	V8 AWD	V6 AWD	V6 RWD
Electronic ignition system	S		
150 amp alternator			
Low-maintenance 12-volt battery	110D26L	S	-
	80D23L	-	S

DRIVETRAIN	V8 AWD	V6 AWD	V6 RWD
Drive configuration	Front engine/all-wheel drive (ATTESA E-TS AWD system)		Front engine/ rear-wheel drive
Transmission type	7-speed electronically controlled automatic overdrive transmission with manual shift mode and adaptive shift control		
Downshift Rev-Matching (DRM)	S		
Snow mode switch	S		

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DRIVETRAIN (Continued)		V8 AWD	V6 AWD	V6 RWD
Gear ratios (:1)				
	1 st	4.8867	4.9238	
	2 nd	3.1697	3.1938	
	3 rd	2.0271	2.0426	
	4 th	1.4118	1.4118	
	5 th	1.0000	1.0000	
	6 th	0.8642	0.8622	
	7 th	0.7745	0.7715	
	Reverse	4.0410	3.9720	
Final drive ratio (:1)		3.538	3.692	3.357
Lane Departure Warning (LDW) and Lane Departure Prevention system		P		
Traction Control System (TCS)		S		
Vehicle Dynamic Control (VDC) w/cancel switch				

BODY, SUSPENSION AND STEERING		V8 AWD	V6 AWD	V6 RWD
Body type		Monocoque - steel, aluminum, resin		
Front suspension		Aluminum independent double wishbone w/ stabilizer bar		
Rear suspension		Aluminum and steel independent multi-link w/ stabilizer bar		
Shock absorbers – dual flow path		S		
Continuous Damping Control (CDC) [®] with Auto and Sport modes		P		-
Steering type		Power-assisted vehicle speed variable assist rack-and-pinion		
Steering ratio (:1)		16.1		
Turning diameter (in feet)		36.7		
Turns (lock-to-lock)		2.96		
Rear-Active Steer		P		-

BRAKES		V8 AWD	V6 AWD	V6 RWD
Front: Vented disc (inches)	12.6 x 1.3	-	S	
	14.0 x 1.3	S	-	
Rear: Vented disc (inches)	12.1 x 0.6	-	S	
	13.8 x 0.8	S	-	
Opposed calipers, aluminum, 4 piston front, 2 piston rear		S	-	
Electronic Brake force Distribution (EBD)		S		
Brake Assist (BA)				
4-wheel/4-channel/4-sensor Anti-lock Braking System (ABS)				

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WHEELS AND TIRES	V8 AWD	V6 AWD	V6 RWD
Wheels			
18-inch 10-spoke aluminum-alloy (8.0 J x 18) (silver finish)	-	S	
20-inch 5-spoke aluminum-alloy (8.0 J x 20) (metallic finish)	-	P	
21-inch 6-spoke aluminum-alloy (9.5 J x 21) (metallic finish) designed by Enkei	S	-	
Tires			
265/60R18 109V all-season radial tires	-	S	
265/50R20 106V all-season radial tires	-	P	
265/45R21 104V all-season radial tires	S	-	
265/45R21 104W summer radial tires	O	-	
Tire Pressure Monitoring System (TPMS)	S		
Spare tire	18-inch alloy wheel	S	-
	18-inch steel wheel	-	S

EXTERIOR DIMENSIONS (inches)	V8 AWD	V6 AWD	V6 RWD
Wheelbase	113.6		
Overall length	191.3		
Overall width	75.9		
Overall height (without / with roof rails)	66.1	65.0 / 66.1	
Front track width	64.4		
Rear track width	64.6		
Minimum ground clearance	7.36		
Angle of approach (degrees)	28.8		
Angle of departure (degrees)	20.9		
Step-in height	Front	18.9	
	Rear	18.9	
Cargo area liftover height (inches)	31.1		
Coefficient of Drag (Cd)	0.36	0.35	

EXTERIOR FEATURES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD
Flush-mounted High Intensity Discharge (HID) bi-functional projector headlights (high/low beam), automatic on-off	S		
Adaptive Front lighting System (AFS)	P		
Body side molding lower accent	Chrome	Silver paint	
Chrome door handles, side window moldings	S		
Rear center high-mount LED stoplight (CHMSL)			
Body-color front and rear bumpers			
Front halogen fog lights	S		
Green-tinted windows with dark upper band windshield and front door glass, rear window/liftgate privacy glass			
Dual power remote-controlled, folding, body-color heated outside mirrors with puddle lights			

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Dark Chrome grille	S	
One-touch auto open/close power glass tilt/slide moonroof w/ auto reverse and sliding shade		
Tailgate closure assist - electrical		
100-lb weight rated roof rails	Polished aluminum S Sand-blasted aluminum -	- P

INTERIOR DIMENSIONS (inches)	Front	Rear
Head room (with moonroof)	39.3	38.5
Shoulder room	57.3	57.4
Hip room	54.9	54.2
Leg room	44.7	34.6

INTERIOR FEATURES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD	
Infiniti Intelligent Key	S			
Bluetooth® hands-free phone system	S	P		
Leather-appointed seats	S			
Quilted leather seats	S	P		
Sport seating	P	-		
8-way power adjustable front seats	S	S		
Heated/cooled	S	P		
2-way power driver's lumbar	S	S		
Manual thigh extensions	P	-		
Auto entry/exit assist	S	P		
2-driver memory system	S	P		
60/40 split rear bench seat, fold-down and reclining	S			
Steering wheel	Manual tilt/telescoping Power tilt/telescoping Leather-wrapped	-		S
		S		P
		S		
Solid-magnesium paddle shifters	S	P		
Aluminum pedals	S	P		
Hand-stained Maple wood interior trim	S	P		
Carpeted trunk and cargo area	S			
Leather-wrapped gearshift knob	S			
Driver and passenger seat back pockets	S			
Single visors w/ illuminated vanity mirrors and sliding extensions	S			
HomeLink® Universal Transceiver	S			
Sill plates: stainless steel with Infiniti logo	S			
Independent reclining rear seats with center armrest	S			
Cargo net and cargo cover	S	P		
Infiniti Hard Drive Navigation System – HDD-based, with 8.0-inch screen	S	P		
Mobile Entertainment System – DVD with 9.0-inch roof-mounted LCD screen	O			

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AUDIO SYSTEM	V8 AWD	V6 AWD	V6 RWD
300-watt, 11-speaker Bose® audio sound system w/ Burr Brown DAC, two subwoofers, AM/FM/mp3-CD playback with in-dash 6-disc CD autochanger (1-disc CD changer with Navigation System), steering wheel audio controls, Radio Data System and speed-sensitive volume control	S		
Interface System for iPod®	S		P
XM® Satellite Radio (XM® subscription required, sold separately)	S		
Roof and in-glass diversity antenna	S		
9.3GB Music Box Hard Drive with Compact Flash slot	S		P

COMFORT AND CONVENIENCE FEATURES	V8 AWD	V6 AWD	V6 RWD
Power windows with one-touch auto-up/down with auto reverse feature for front windows	-	S	
Power windows with one-touch auto-up/down with auto reverse feature for front and rear windows	S	-	
Around View Monitor	S	P	
Intelligent Cruise Control (Full Speed Range)	P		
Distance Control Assist (DCA)	P		
RearView Monitor	S		
Rain-sensing front wipers	P		
Cruise control with steering wheel mounted switches	S		
Power door locks (driver's side and front passenger's side) with selective unlocking			
Illuminated power window, steering wheel and door lock switches			
Front door pockets			
Dual-Zone Automatic Temperature Control, non-CFC air conditioning, rear A/C vents	S		
Advanced Climate Control System (ACCS) with Plasmacluster air purifier, Auto-recirculation Grape Seed Polyphenol Filter	S	-	
Center console with dual-level storage and overhead storage for sunglasses	S		
Remote Keyless Entry	S		
Lockable glove box with damper			
Front (2) and rear (2) cup holders			
Front variable intermittent wipers, rear intermittent wiper			
Front and rear outboard height adjustable head restraints			

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SAFETY AND SECURITY FEATURES	V8 AWD	V6 AWD	V6 RWD
Infiniti Advanced Air Bag System (AABS); Dual-stage front supplemental air bags with passenger seat occupant classification system and seat belt sensor	S		
Seat-mounted side-impact air bags			
Roof-mounted curtain air bags for enhanced outboard seat occupant head protection			
3-point front seat belts with adjustable upper anchors, pre-tensioners and load limiters; ALR/ELR in all passenger seating positions (driver ELR only)			
Seat belt reminder system (front)			
Lower Anchors and Tethers for CHildren (LATCH) system in rear outboard seating positions (upper tether for all rear seating positions)			
Front seat Active Head Restraints			
Child safety rear door locks and power window lock-out button			
Front and rear crumple zones			
Slide-away brake pedal assembly			
Break-away rear engine mount			
Collapsible propeller shaft			
Body-side reinforcements			
High-strength side-door guard beams			
Shift Interlock System			
Vehicle Security System			
Energy-absorbing steering column			
First aid kit and tool kit			
Vehicle Security System			
Immobilizer			
Pre-Crash Front Seat Belts	P		

INSTRUMENTATION	V8 AWD	V6 AWD	V6 RWD
Analog speedometer, tachometer, coolant temperature and fuel level, white-and-violet electroluminescent Fine Vision illumination; Multi-function trip computer display with instantaneous fuel economy, driving time, outside temperature, distance to empty, average speed, average fuel economy	S		
Compass in mirror – LED digital (w/o Navigation System)			
Twin trip LCD digital odometer			
Low fuel, oil pressure, VDC and door ajar-warning lights			

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CAPACITIES	V8 AWD	V6 AWD	V6 RWD
Seating capacity	5		
Interior passenger volume (cu. ft.)	102.5		
Cargo volume (cu. ft.)	Rear seat up 24.8 / Rear seat down 62.0		
Total interior volume (cu. ft.)	127.3		
Fuel tank (gal.)	23.8		
Engine oil (qts.)	6.1	4.9	
Engine coolant (liters)	11.0	9.2	
Maximum towing capacity (lbs)	3,500	2,000	–
Payload including passengers (lbs)	1,182	1,213	

CURB WEIGHTS	V8 AWD	V6 AWD	V6 RWD
Curb weight – front (lbs.)	2,454	2,269	2,112
Curb weight – rear (lbs)	2,121	2,030	1,982
Curb weight – total (lbs.)	4,575	4,299	4,094
Weight distribution (% fr/rr)	54/46	53/47	52/48
GVWR (lbs.)	5,766	5,519	5,301

EPA MILEAGE ESTIMATES (Actual mileage may vary)	V8 AWD	V6 AWD	V6 RWD
City	14	16	16
Highway	20	21	23
EPA Classification	Station Wagon		

PACKAGES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD
Sport Package: Adaptive Front lighting System (AFS), Auto-Leveling front headlights, Rear Active Steer sport design front seats, dark tinted headlights, driver's seat w/power bolster adjustment (4-way) and thigh extension for driver and passenger, Continuous Damping Control (CDC) [®] suspension	O	–	
Navigation Package: Infiniti Hard Drive (HDD) Navigation System, Voice Recognition for HVAC, audio, navigation, XM NavTraffic [®] with Real-Time Traffic Information, 9.3GB Music Box Hard Drive with Compact Flash slot, single CD in-dash (replaces 6CD), 8.0-inch color display, Around View Monitor (AVM)	S	O (requires Premium Package)	
Premium Package: Climate-controlled front seats, Bluetooth [®] Hands-Free Phone System, Interface System for iPod [®] , 2-Position Driver's Memory Seat, outside mirrors with reverse synchronization, power tilt and telescoping steering wheel, paddle shifters, aluminum pedals, quilted leather-appointed seats, roof rails, cargo cover/cargo net	S	O	
Technology Package: Lane Departure Prevention (LDP) system and Lane Departure Warning (LDW) system,	O	O (requires Navigation)	

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Intelligent Cruise Control (Full Speed Range), Front Pre-Crash Seat Belts, Distance Control Assist (DCA), Intelligent Brake Assist (IBA), rain-sensing front wipers		Package)
Infiniti DVD Mobile Entertainment System: DVD Player in front center console, wireless headphones (2 sets), 9.0-inch widescreen power flip-down headliner mounted display	O (requires Technology Package)	
Deluxe Touring Package: 20-inch tires and wheels (metallic finish), Adaptive Front lighting System (AFS), auto-leveling headlights, hand-stained Maple wood trim	-	O
21-inch Summer Tires: 265/45R21	O	-

3/08

O – Optional

S – Standard

P – Included in Package