

# 2010 Infiniti FX50 and FX35

## Technical Specifications Features and Options

Source of Production: Nissan Motor Co., Ltd.

Assembly Plant Location: Tochigi, Japan

<b>ENGINE</b>	<b>V8 AWD</b>	<b>V6 AWD</b>	<b>V6 RWD</b>
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)		

<b>ELECTRICAL</b>	<b>V8 AWD</b>	<b>V6 AWD</b>	<b>V6 RWD</b>
Electronic ignition system	S		
150 amp alternator			
Low-maintenance 12-volt battery			

<b>DRIVETRAIN</b>	<b>V8 AWD</b>	<b>V6 AWD</b>	<b>V6 RWD</b>
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 <sup>st</sup>	4.8867	4.9238	
	2 <sup>nd</sup>	3.1697	3.1938	
	3 <sup>rd</sup>	2.0271	2.0426	
	4 <sup>th</sup>	1.4118	1.4118	
	5 <sup>th</sup>	1.0000	1.0000	
	6 <sup>th</sup>	0.8642	0.8622	
	7 <sup>th</sup>	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) <sup>®</sup> 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
<b>Wheels</b>			
18-inch Split-5-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	-	
<b>Tires</b>			
265/60R18 109V all-season tires	-	S	
265/50R20 106V all-season tires	-	P	
265/45R21 104V all-season tires	S	-	
265/45R21 104W summer 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			
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	S	
Tailgate closure assist - electrical	S	
100-lb weight rated roof rails	Polished aluminum S	-
	Sand-blasted aluminum -	P

<b>INTERIOR DIMENSIONS (inches)</b>	<b>Front</b>	<b>Rear</b>
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

<b>INTERIOR FEATURES AND OPTIONS</b>	<b>V8 AWD</b>	<b>V6 AWD</b>	<b>V6 RWD</b>
Infiniti Intelligent Key	S		
Bluetooth® Hands-free Phone System	S		
Leather-appointed seats	S		
Quilted leather-appointed 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 -	S	
	Power tilt/telescoping S	P	
	Leather-wrapped	S	
Solid-magnesium paddle shifters	P	-	
Aluminum pedals	S	P	
Hand-stained Maple wood interior accents	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 cover	S	P	
Infiniti Hard Drive Navigation System – HDD-based, with 8.0-inch screen, Voice Recognition, XM NavTraffic® and XM NavWeather® (XM® subscription required, sold separately), Zagat® Restaurant Guide, and Bluetooth® Streaming Audio	S	P	

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<b>AUDIO SYSTEM</b>	<b>V8 AWD</b>	<b>V6 AWD</b>	<b>V6 RWD</b>
300-watt, 11-speaker Bose® audio sound system, including two subwoofers, AM/FM/1CD/mp3-CD playback with steering wheel audio controls, Radio Data System and speed-sensitive volume control	S		
XM® Satellite Radio (XM® subscription required, sold separately)	S		
Roof and in-glass diversity antenna	S		
9.3GB Music Box Hard Drive with 1-disc DVD Drive for audio/video playback and map updates	S	P	
2.0GB Music Box Hard Drive	-	S	
USB Connection Port for audio/video playback and iPod® Interface	S		

<b>COMFORT AND CONVENIENCE FEATURES</b>	<b>V8 AWD</b>	<b>V6 AWD</b>	<b>V6 RWD</b>
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 and Grape Polyphenol Filter	S	-	
Center console with dual-level storage and overhead storage for sunglasses	S		
Remote Keyless Entry	S		
Lockable glove box			
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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<b>SAFETY AND SECURITY FEATURES</b>	<b>V8 AWD</b>	<b>V6 AWD</b>	<b>V6 RWD</b>
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 side impact supplemental air bags for outboard 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			
Infiniti Vehicle Immobilizer System			
Pre-Crash Front Seat Belts	P		

<b>INSTRUMENTATION</b>	<b>V8 AWD</b>	<b>V6 AWD</b>	<b>V6 RWD</b>
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		
Twin trip LCD digital odometer			
Low fuel, oil pressure, VDC and door ajar-warning lights			
Compass in mirror - LED digital (w/o Navigation System)	-	S	

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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.)	5.7	5.2	
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	TBD	TBD	TBD
Highway	TBD	TBD	TBD
EPA Classification	Truck		

PACKAGES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD
<b>Premium Package:</b> Climate-controlled front seats; 2-Position Driver's Memory Seat; outside mirrors with reverse synchronization, power tilt and telescoping steering wheel; quilted leather-appointed seats; sand-blasted aluminum roof rails	S	O	
<b>Navigation Package:</b> Infiniti Hard Drive (HDD) Navigation System; Infiniti Voice Recognition for audio and navigation; XM NavTraffic® with Real-Time Traffic Information, XM NavWeather® with Real-Time Weather Information, Zagat® Restaurant Guide; 8-inch color WVGA monitor; 9.3GB Music Box Hard Drive, single CD/DVD in-dash; Bluetooth® Streaming Audio; Around View Monitor (AVM) with Sonar System (front/rear)	S	O (requires Premium Package)	
<b>Sport Package:</b> Continuous Damping Control (CDC)® suspension; Rear Active Steer; sport-style front seats; driver's seat w/power bolster adjustment (4-way) and thigh extension for driver and passenger; dark tinted headlights, side air vents and lower side trim; solid magnesium paddle shifters	O	-	

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<b>Technology Package:</b> Intelligent Brake Assist (IBA) with Forward Collision Warning; Lane Departure Prevention (LDP) system and Lane Departure Warning (LDW) system; Front Pre-Crash Seat Belts; Intelligent Cruise Control (Full Speed Range); Distance Control Assist (DCA); rain-sensing front windshield wipers; Adaptive Front lighting System (AFS); auto-leveling front headlights	O	O (requires Navigation and Deluxe Touring Packages)
<b>Deluxe Touring Package:</b> 20-inch aluminum-alloy wheels (high luster finish); P265/50R20 tires; hand-stained Maple wood interior accents; aluminum pedals; cargo cover	-	O (requires Premium Package)
<b>21-inch Summer Tires:</b> 265/45R21 W-rated high-performance tires	O (requires Sport Package)	-

8/09

- O** – Optional
- S** – Standard
- P** – Included in Package