

# 2012 Infiniti FX50 and FX35

## Technical Specifications Features and Options

Source of Production: Nissan Motor Co., Ltd.

Assembly Plant Location: Tochigi, Japan

ENGINE	FX50	FX35
Type	VK50VE DOHC 32-valve with Variable Valve Event & Lift (VVEL)	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 (redline)	6,800 rpm	7,500 rpm
Emissions certification level	50-state T2B5 (EPA), LEV2-LEV (CARB)	

ELECTRICAL	
Electronic ignition system	S
150 amp alternator	
Low-maintenance 12-volt battery	

DRIVETRAIN	FX50 AWD	FX35 AWD	FX35 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 (ASC)		
Downshift Rev-Matching (DRM)	S		
Snow mode switch	S		

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DRIVETRAIN (Continued)		FX50	FX35	
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
Traction Control System (TCS)		S		
Vehicle Dynamic Control (VDC) w/off switch				

BODY, SUSPENSION AND STEERING		FX50	FX35
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		FX50	FX35
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	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 RWD
<b>Wheels</b>				
18-inch split 5-spoke aluminum-alloy (8.0Jx18)	-	-	S	
20-inch 5-spoke aluminum-alloy (8.0Jx20)	-	-	P	
21-inch 6-spoke aluminum-alloy (9.5Jx21)	S	-	-	
21-inch 10-spoke graphite finish aluminum-alloy (9.5Jx21)	-	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	S	-	
Spare tire – T175/90/18	S	-	-	
18-inch alloy wheel	-	-	S	
18-inch steel wheel	-	-	S	

EXTERIOR DIMENSIONS (inches)	FX50	FX35
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	18.9/18.9	
Cargo area liftover height (inches)	31.1	
Coefficient of Drag (Cd)	0.36	0.35

EXTERIOR FEATURES AND OPTIONS	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 RWD
Flush-mounted High Intensity Discharge (HID) bi-functional projector headlights (high/low beam), automatic on-off	S			
Adaptive Front lighting System (AFS)	P	S	P	P
Dark tinted headlights with AFS	-	S	-	-
Dark tinted side air vent and lower door trim)	-	S	-	-
Chrome door handles, side window moldings	S			
Rear center high-mount LED stoplight (CHMSL)				
Body-color front and rear bumpers				
Front fog lights				
UV-reducing solar glass on front windows, privacy glass on rear windows and liftgate glass				
Power-folding, heated outside mirrors with courtesy lights				
Dark Chrome front grille	S			
One-touch auto open/close power glass tilt/slide moonroof w/ auto reverse and sliding shade				
Electric liftgate closure assist				

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Power rear liftgate	S			
Aluminum doors and hood	S			
100-lb weight rated roof rails	S		P	
Aluminum roof rails with graphite finish, roof rail crossbars with dark finish	-	S	-	-

<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

INTERIOR FEATURES AND OPTIONS	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 RWD
Infiniti Intelligent Key	S			
Bluetooth® Hands-free Phone System	S			
Leather-appointed seats	S			
Quilted leather-appointed seats	S	-	P	
Sport-style front seats	P	-	-	
8-way power adjustable front seats	S	S	S	
Climate-controlled	S	-	P	
2-way power driver's lumbar support	S	S	S	
Manual thigh extensions	P	-	-	
Power bolster support	P	-	-	
Dual-occupant memory system for driver's seat, outside mirrors and steering wheel	S	S	P	
60/40-splitfolding and reclining rear seat with fold-down center armrest	S			
Steering wheel                      Manual tilt/telescoping Power tilt/telescoping Leather-wrapped	-	S	S	
	S	-	P	
	S			
Solid-magnesium paddle shifters	P	-	-	
Aluminum pedal accents	P	S	P	P
Maple interior accents	S	-	-	
Black lacquer interior trim	-	-	P	
Carpeted trunk and cargo area	S			
Graphite floor mats with unique blue piping	-	S	-	-
Leather-wrapped gearshift knob	S			
Driver and passenger seat back pockets	S			
Sun visors with illuminated vanity mirrors and sliding extensions	S			
HomeLink® Universal Transceiver	S			
Tonneau cover	S	-	P	
Infiniti Hard Drive Navigation System with 8.0-inch WVGA color touch-screen display, Voice Recognition, XM NavTraffic® and XM NavWeather™ (XM® subscription required, sold separately), Zagat Survey® restaurant guide and streaming audio via Bluetooth® wireless technology	S	S	P	

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### *Technical Specifications Features and Options*

<b>AUDIO SYSTEM</b>	
Bose® 11-speaker Premium Audio sound system, including AM/FM/CD with MP3 playback capability, steering wheel audio controls, Radio Data System (RDS) and speed-sensitive volume control	S
XM® Satellite Radio (XM® subscription required, sold separately)	S
Roof-mounted and rear window in-glass diversity antennas	S
USB Connection Port iPod® Interface and other compatible devices	S

COMFORT AND CONVENIENCE FEATURES	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 RWD
Power windows with front one-touch auto-up/down with auto reverse feature	S			
RearView Monitor	S			
Around View® Monitor with Front and Rear Sonar System	S	S	P	
Intelligent Cruise Control (Full-Speed Range)	P	-	P	
Distance Control Assist (DCA)	P	-	P	
Rain-sensing front windshield wipers	P	-	P	
Cruise control with steering wheel mounted switches	S			
Power door locks (driver's side and front passenger's side) with selective unlocking and automatic locking feature				
Illuminated power window, steering wheel and door lock switches				
Front door pockets				
Dual Zone Automatic Temperature Control				
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				
Lockable glove box				
Front (2) and rear (2) cup holders				
Speed-sensitive variable intermittent front windshield wipers, rear intermittent wiper with washer				
Front and rear outboard height adjustable head restraints				

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SAFETY AND SECURITY FEATURES	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 RWD
Infiniti Advanced Air Bag System (AABS); Dual-stage front supplemental air bags with occupant classification and seat belt sensor	S	S	S	S
Driver and front passenger seat-mounted side-impact supplemental 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's seat ELR only)				
Seat belt reminder system (front)				
Lower Anchors and Tethers for CHildren (LATCH) system				
Front seat Active Head Restraints				
Child safety rear door locks and power window lock-out button				
Zone body construction with front and rear crumple zones				
Slide-away brake pedal assembly				
Break-away rear engine mount				
Collapsible propeller shaft				
High-strength side-door guard beams				
Shift Interlock System				
Vehicle Security System				
Energy-absorbing steering column				
Infiniti Vehicle Immobilizer System				
Vehicle Dynamic Control (VDC)				
Traction Control System (TCS)				
Tire Pressure Monitoring System (TPMS) with individual tire display				
Front Pre-Crash Seat Belts	P	-	P	P

INSTRUMENTATION	FX50	FX35
Fine Vision electroluminescent gauges; analog speedometer, tachometer, coolant temperature and fuel level, Multi-function trip computer display with instantaneous fuel economy, driving time, outside temperature, distance to empty, average speed, average fuel economy	S	S
Twin trip LCD digital odometer		
Low fuel, oil pressure and door ajar-warning lights		
Compass in mirror – LED digital (w/o Navigation System)	-	S

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CAPACITIES	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 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	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 RWD
Curb weight – front (lbs.)	2,421	2,235		2,136
Curb weight – rear (lbs)	2,136	2,049		2,026
Curb weight – total (lbs.)	4,557	4,284		4,162
Weight distribution (% fr/rr)	53/47	52/48		51/49
GVWR (lbs.)	5,766	5,519		5,301

EPA MILEAGE ESTIMATES (Actual mileage may vary)	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 RWD
City	14	16		16
Highway	20	21		23
EPA Size	SUV			

PACKAGES AND OPTIONS	FX50 AWD	FX35 Limited Edition	FX35 AWD	FX35 RWD
<b>Premium Package:</b> Infiniti Hard Drive Navigation System; Infiniti Voice Recognition for audio, navigation; XM NavTraffic® with Real-Time Traffic Information, XM NavWeather™ with Real-Time Weather Information (XM® subscription required, sold separately), Zagat Survey® Restaurant Guide; 8-inch WVGA color touch-screen display; single in-dash CD/DVD player; Streaming Audio via Bluetooth® wireless technology; Around View® Monitor (AVM) with Front and Rear Sonar System; dual-occupant memory system for driver's seat, outside mirrors and steering wheel; outside mirrors with reverse tilt-down feature; power tilt and telescopic steering column; aluminum roof rails	S	–	O	

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<b>Deluxe Touring Package: (V6):</b> 20x8.0-inch 5-spoke aluminum-alloy wheels with P265/50R20 V-rated all-season tires; Maple interior accents; aluminum pedals; tonneau cover; Climate-controlled front seats; quilted leather-appointed seats	-	-	O (requires Premium Package)
<b>Technology Package:</b> Intelligent Brake Assist (IBA) with Forward Collision Warning (FCW); Lane Departure Warning (LDW) system and Lane Departure Prevention (LDP) 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) with auto-leveling headlights	O	-	O (requires Deluxe Touring Package)
<b>Sport Package:</b> Continuous Damping Control (CDC®) suspension with Auto and Sport modes; Rear Active Steer; sport-style front seats with thigh support; driver's seat with power bolster adjustment (4-way); dark tinted side air vents and lower side trim; solid magnesium paddle shifters; Adaptive Front lighting System (AFS) with auto-leveling headlights	O (req. Tech Pkg)	-	-

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**O** – Optional

**S** – Standard

**P** – Included in Package