

2011 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) system	VQ35HR DOHC 24-valve
Orientation	Longitudinal	
Cylinders / configuration	V8	V6
Block / head composition	Aluminum / aluminum	
Displacement	5.0 litres	3.5 litres
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	LEV2-LEV (NLEV)	

ELECTRICAL	FX50	FX35
Electronic ignition system	S	
150 amp alternator		
Low-maintenance 12-volt battery	110D26L 80D23L	- S

DRIVETRAIN	FX50	FX35
Drive configuration	Front engine/all-wheel drive (ATTESA E-TS AWD system)	
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)		FX50	FX35
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
Lane Departure Warning (LDW) and Lane Departure Prevention system		O	
Traction Control System (TCS)		S	
Vehicle Dynamic Control (VDC) w/cancel 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		O	-
Steering type		Power-assisted vehicle speed variable assist rack-and-pinion	
Steering ratio (:1)		16.1	
Turning diameter (in feet)		11.2 m / 36.7 ft	
Turns (lock-to-lock)		2.96	
Rear-Active Steer		O	-

BRAKES		FX50	FX35
Front: Vented disc (mm)	320 x 34	-	S
	355 x 32	S	-
Rear: Vented disc (mm)	308 x 16	-	S
	350 x 20	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	FX35
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)		O
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
265/45R21 104V all-season radial tires	S	-
265/50R20 104V all-season radial tires		O
265/45R21 104W summer radial tires	O (early avail. only)	-
Tire Pressure Monitoring System (TPMS)	S	
Spare tire	Alloy wheel	-
	Steel wheel	S

EXTERIOR DIMENSIONS (mm)	FX50	FX35
Wheelbase	2885	
Overall length	4859	
Overall width	1928	
Overall height (with roof rails)	1680	
Front track width	1635	
Rear track width	1640	
Minimum ground clearance	187	
Angle of approach (degrees)	28.8	
Angle of departure (degrees)	20.9	
Step-in height	Front	4.8
	Rear	4.8
Cargo area liftover height (mm)	7.89	
Coefficient of Drag (Cd)	0.36	0.35

EXTERIOR FEATURES AND OPTIONS	FX50	FX35
Flush-mounted High Intensity Discharge (HID) bi-functional projector headlights (high/low beam), automatic on-off	S	
Adaptive Front lighting System (AFS)	O	-
Body side molding lower accent	Chrome	Silver paint
Chrome door handles, side window moldings	S	
Rear centre high-mount LED stoplight (CHMSL)		
Body-colour 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		

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Dual power remote-controlled, folding, body-colour heated outside mirrors with puddle lights	
Dark Chrome grille	S
One-touch auto open/close power glass tilt/slide moonroof w/ auto reverse and sliding shade	
Tailgate closure assist - electrical	
Roof rails Polished aluminum Sand-blasted aluminum	S S (late availability)

INTERIOR DIMENSIONS (mm)	Front	Rear
Head room (with moonroof)	998	977
Shoulder room	1455	1459
Hip room	1394	1377
Leg room	1136	879

INTERIOR FEATURES AND OPTIONS	FX50	FX35
Infiniti Intelligent Key	S	
Bluetooth® hands-free phone system	S	
Leather-appointed seats	S	
Quilted leather seats	S	S
Sport seating	O	-
8-way power adjustable front seats	S	S
Heated/cooled	S	S
2-way power driver's lumbar	S	S
Manual thigh extensions	O	-
Auto entry/exit assist	S	S
2-driver memory system	S	S
60/40 split rear bench seat, fold-down and reclining	S	
Steering wheel Power tilt/telescoping Leather-wrapped	S	S
Solid-magnesium paddle shifters	O	-
Aluminum pedals	S	S
Hand-stained Maple wood interior trim	S	-
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 centre armrest	S	
Cargo net and cargo cover	S	S
Infiniti Hard Drive Navigation System - HDD-based, with 8.0-inch screen	S	O
Mobile Entertainment System - DVD with 9.0-inch roof-mounted LCD screen	O	

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AUDIO SYSTEM	FX50	FX35
300-watt, 11-speaker Bose® audio sound system , two subwoofers, AM/FM/mp3-CD playback with in-dash Single CD changer steering wheel audio controls, Radio Data System and speed-sensitive volume control	S	
USB connectivity Interface System for iPod®	S	S
XM® Satellite Radio (XM® subscription required, sold separately)	S	
Roof and in-glass diversity antenna	S	
9.3GB Music Box Hard Drive with USB slot	S	O

COMFORT AND CONVENIENCE FEATURES	FX50	FX35
Power windows with one-touch auto-up/down with auto reverse feature for front windows	S	S
Around View Monitor	S	O
Intelligent Cruise Control (Full Speed Range)	O	
Distance Control Assist (DCA)	O	
RearView Monitor	S	
Rain-sensing front wipers	O	
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	-
Centre 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		

SAFETY AND SECURITY FEATURES	FX50	FX35
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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	
Vehicle Security System	
Immobilizer	
Pre-Crash Front Seat Belts	O

INSTRUMENTATION	FX50	FX35
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		

CAPACITIES	FX50	FX35
Seating capacity	5	
Interior passenger volume (L)	2903	
Cargo volume (L)	Rear seat up 702 / Rear seat down 1756	
Total interior volume (L)	3605	

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Fuel tank (L)	90	
Engine oil (qts.)	6.1	4.9
Engine coolant (liters)	11.0	9.2
Maximum towing capacity (lbs)	3,500	3,500
		-
Payload including passengers (lbs)	1,182	1,213

CURB WEIGHTS	FX50	FX35
Curb weight – front (kg)	1113	1029
Curb weight – rear (kg)	962	921
Curb weight – total (kg)	2075	1950
Weight distribution (% fr/rr)	54/46	53/47
GVWR (kg)	2616	2503

EPA MILEAGE ESTIMATES <i>(Actual mileage may vary)</i>	FX50	FX35
City	TBD	TBD
Highway	TBD	TBD

PACKAGES AND OPTIONS	FX50	FX35
Sport Package: Rear Active Steer (RAS), 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, 21" Summer Performance Tires, Paddle Shifters; Mobile Entertainment System-including 9" widescreen flip-down headliner mounted display, DVD player in front centre console, wireless headphones (2 sets)	O (Technology Package)	-
Navigation & Mobile Entertainment Package: Infiniti Hard Drive (HDD) Navigation System, Voice Recognition for HVAC, Zagat [®] Restaurant Guide, 9.3GB Music Box Hard Drive with USB slot, Auxiliary Audio/Video input jacks; Bluetooth Streaming Audio, single CD in-dash (replaces 6CD), 8.0-inch colour display, Around View Monitor (AVM), DVD Player in front centre console, wireless headphones (2 sets), 9.0-inch widescreen power flip-down headliner mounted display, Parking Sensors	S	O
Navigation and Deluxe Touring Package: Infiniti Hard Drive (HDD) Navigation System, Voice Recognition for HVAC, Zagat [®] Restaurant Guide, 9.3GB Music Box Hard Drive, Bluetooth Streaming Audio, 8" Colour Display, Around View Monitor (AVM) with Front & Rear Sonar, 20" 5-spoke Aluminum Alloy wheels, 265/50 R20 All-season tires, Maple interior accents	-	O

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Technology Package: Lane Departure Prevention (LDP) system and Lane Departure Warning (LDW) system, Intelligent Cruise Control (Full Speed Range), Front Pre-Crash Seat Belts, Distance Control Assist (DCA), Intelligent Brake Assist (IBA), rain-sensing front wipers, Adaptive & Auto-Leveling Front Lighting System (AFS)	S	O (requires Navi & MES Package)
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O - Optional

S - Standard