

2006 Infiniti FX45 and FX35

Technical Specifications Features and Options

Source of Production: Nissan Shatai Co., Ltd.

Assembly Plant Location: Kanagawa, Japan

ENGINE	V8 AWD	V6 AWD	V6 RWD
Type	VK45DE DOHC 32-valve	VQ35DE DOHC 24-valve	
Orientation	Longitudinal		
Cylinders / configuration	V8 with molybdenum coated pistons	V6 with molybdenum coated pistons	
Block / head composition	Aluminum / aluminum		
Displacement	4.5 liters	3.5 liters	
Horsepower*	320 @ 6,000 rpm	280 @ 6,200 rpm	
Torque	335 lb-ft @ 4,000 rpm	270 lb-ft @ 4,800 rpm	
Bore x stroke (mm)	93.0 x 82.7	95.5 x 81.4	
Compression ratio (:1)	10.5	10.3	
Valvetrain	4 titanium valves per-cylinder with continuous variable valve timing control	4 valves per-cylinder with continuous variable valve timing control	
Recommended fuel	Premium unleaded	Premium unleaded	
Emissions system	Closed loop feedback system with 3-way catalyst		
Exhaust	Stainless steel		
Maximum engine speed	6,600 rpm		
Emissions certification level	LEV1-LEV (NLEV)		

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

DRIVETRAIN	V8 AWD	V6	V6
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		AWD	RWD
Drive configuration		Front engine/all-wheel drive	Front engine/rear-wheel drive
Transmission type		5-speed electronically controlled (Grade Logic) automatic overdrive transmission with manual shift mode	
Traction Control System		S	
Vehicle Dynamic Control (VDC) w/ cancel switch		S	
Downshift shift Rev-Matching (DRM)		S	
Gear ratios (:1)		FX45	FX35
	1st	3.827	3.540
	2nd	2.368	2.264
	3rd	1.526	1.472
	4th	1.000	1.000
	5th	0.834	0.834
	Reverse	2.613	2.370
Final drive ratio (:1)		3.692	
Transfer gear ratio		1.000	

BODY, SUSPENSION AND STEERING	V8 AWD	V6 AWD	V6 RWD
Body type	Monocoque		
Front suspension	Independent strut with stabilizer bar		
Rear suspension	Independent multi-link with stabilizer bar	No stabilizer bar	
Steering ratio (:1)	16.9		
Turning diameter (in feet)	38.7		
Turns (lock-to-lock)	2.7		
Steering type	Power-assisted rack-and-pinion		
Sport suspension tuning – front struts/rear shocks	S	P	

BRAKES	V8 AWD	V6 AWD	V6 RWD
Front: Vented disc – 12.6" x 1.3"	S		
Rear: Vented disc – 12.1" x 0.6"			
Electronic Brake force Distribution (EBD) and Brake Assist (BA)			
4-channel/4-sensor Anti-lock Braking System			

WHEELS AND TIRES	V8 AWD	V6	V6
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Wheels			
18" 8-spoke aluminum-alloy wheels (8.0 JJ x 18)	-		S
20" 8-spoke aluminum-alloy wheels (8.0 JJ x 20)	-		P
20" 8-spoke aluminum-alloy wheels (8.0 JJx20) (V8 unique)	S		-
Tires			
265/60R18 all-season radial tires	-		S
265/50R20 all-season radial tires	S		O
Tire Pressure Monitor System		S	

EXTERIOR DIMENSIONS (inches)	V8 AWD	V6 AWD	V6 RWD
Wheelbase	112.2		
Overall length	189.1		
Overall width w/ mirrors folded	75.8		
Overall height	65.0 / 65.9 (w/ roof rails)		
Front track width	62.7		
Rear track width	64.6		
Minimum ground clearance	7.6		
Angle of approach (degrees)	28.5		
Angle of departure (degrees)	21.2		
Step-in height (front/rear)	18.0 / 18.7		
Cargo area liftover height (inches)	30.6		
Coefficient of Drag (Cd)	0.37		

EXTERIOR FEATURES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD
Flush-mounted High Intensity Discharge (HID) xenon headlights, high/low beam	S		
Chrome door handles, bumper trim, lower side sills			
Rear center high-mount stoplight			
Revised front grille design			
Body-color front and rear bumpers			
Front halogen fog lights			
Green-tinted windows with dark upper band windshield and front door glass			
Dual power remote-controlled, body-color outside mirrors			
Power glass sunroof with rear tilt and sunshade	S		O
Auto on/off headlight operation	S		O
Roof rails (100-lb capacity)			
Chrome	S		O
Black	-		O
Power, heated outside mirrors	S		

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INTERIOR DIMENSIONS (inches)	Front	Rear
Head room (with out sunroof)	39.6	39.3
Head room (with sunroof)	40.8	39.5
Shoulder room	56.9	57.4
Hip room	54.3	55.0
Leg room	43.9	35.2

INTERIOR FEATURES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD
Intelligent Key	S	O	
Bluetooth® Hands-Free Phone System	S	O	
Leather-appointed seats	S	S	
Driver's seat with 10-way power and power adjustable lumbar	S	S	
8-way power passenger's seat	S	S	
Driver's seat/mirrors/steering wheel memory system	S	S	
Heated front seats	S	S	
Power tilt and telescoping steering wheel	S	S	
Carpeted trunk and cargo area	S		
Leather-wrapped steering wheel and gearshift knob			
Driver and passenger seat back pockets			
Dual visors with illuminated vanity mirrors			
Sill plates (stainless steel) with Infiniti markings			
Independent reclining rear seats with center armrest			
Wood/Aluminum Trim	S	-	
Cargo net and cargo cover	S	P	
Intelligent Cruise Control w/ Brake Assist	P		
Navigation System – CD-ROM based, with 7.0-inch screen and 3-D Birdview™ display			
Mobile Entertainment System – DVD with 7.0-inch roof-mounted LCD screen	O		

CAPACITIES	V8 AWD	V6 AWD	V6 RWD
Seating capacity	5		
Interior passenger volume (cu. ft.) w/o sunroof	105.1		
Cargo volume (cu. ft) w/o sunroof	Seats up 27.4 / seats down 64.5		
Total interior volume (cu. ft)	132.5		
Fuel tank (gals.)	23.8		
Engine oil (qts.)	7.3	5.7	
Engine coolant (qts.)	10.6	9.1	
Maximum towing capacity (lbs) (when properly equipped)	3,500		
Payload including passengers (lbs) (when properly equipped)	1,091	1,136	1,183

CURB WEIGHTS	V8 AWD	V6	V6
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		AWD	RWD
Curb weight (lbs.)	4,533	4,345	4,187
Weight distribution (% fr/rr)	54/46	53/47	52/48
GVWR (lbs.)	5,624	5,481	5,340

2006 EPA MILEAGE ESTIMATES (Actual mileage may vary)	V8 AWD	V6 AWD	V6 RWD
City	14	16	17
Highway	18	21	23
EPA Classification	Light - truck		

AUDIO SYSTEM	V8 AWD	V6 AWD	V6 RWD
300-watt, 11-speaker Bose® audio sound system with subwoofer, AM/FM/cassette with 6-disc CD autochanger, mp3-CD playback and steering wheel audio controls	S		
Satellite radio (XM® or Sirius™)	P		
Color display	S		
RearView Monitor	S		
Mobile Entertainment System	P		
Roof and glass antenna	S		

COMFORT AND CONVENIENCE FEATURES	V8 AWD	V6 AWD	V6 RWD
Power windows with one-touch auto-up/down with auto reverse feature for front two windows	S		
Automatic Climate Control, dual zone-climate control, non-CFC air conditioning, rear A/C vents (B-pillar)			
Cruise control with steering wheel mounted switches			
Front and side window defogger vents			
Power door locks (driver's side and front passenger's side) with selective unlocking			
Power remote release for rear liftgate and fuel-filler door			
Illuminated power window, steering wheel and door lock switches			
Flip out front door pockets and rear door pockets			
Center console with dual level storage, coin holder and overhead storage for sunglasses			
Rear heater ducts			
Remote Keyless entry			
Sun visor extenders			
Lockable glove box with damper			
60/40 split-fold rear bench seats			

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INSTRUMENTATION	V8 AWD	V6 AWD	V6 RWD
Front (2) and rear (2) cup holders	S		
Front variable intermittent wipers, rear intermittent wipers			
Front and rear height adjustable headrests, folding rear headrest			

SAFETY AND SECURITY FEATURES	V8 AWD	V6 AWD	V6 RWD
Advanced Air Bag System (AABS) with passenger seat occupant sensor and dual-stage supplemental air bags with seat belt sensors	S		
Supplemental roof mounted side-impact curtain air bag, front and rear, with rollover protection			
Front seat Active Head Restraints			
Front seat belts with pretensioners and load limiters			
3-point front seat belts with adjustable upper anchors (passenger side ALR/ELR)			
Body side reinforcements			
Child safety rear door locks, power window lock down button			
LATCH system: rear child safety seat tether anchors (3 in rear parcel shelf, lower rigid bar anchor in 2 outboard positions)			
Vehicle Security System			
Energy-absorbing steering column			
Zone Body with front and rear crumple zones			
Lane Departure Warning (LDW) system			
Preview Braking			

INSTRUMENTATION	V8 AWD	V6 AWD	V6 RWD
Analog speedometer, tachometer, coolant temperature and fuel level	S		
Outside temperature LCD digital display			
Compass in mirror – green LED digital			
Twin trip LCD digital odometer			
Low fuel and door ajar-warning lights			
Analog quartz clock			

PACKAGES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD
Sport Package: Sport-tuned suspension, 20" wheels and tires, black chrome grille, tinted	S	O	

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head, tail and back up lamps, aluminum pedals, roof rails and interior trim		
Hands-Free Package: Intelligent Key and Bluetooth® Hands-Free Phone System	S	O
Stand-Alone Navigation	O	-
Touring Package: Sunroof, HomeLink® Universal Transceiver, auto on/off headlamps and cargo net	-	O
Technology Package: Infiniti Navigation System, Lane Departure Warning system (LDW), Intelligent Cruise Control and satellite radio (XM® or Sirius™) with body color antenna	O	
Run-Flat Tire Package: Run-flat tires, delete temporary spare tire, under floor storage, suspension tuned for run-flat tires		
DVD Mobile Entertainment System: DVD player with 7-inch screen, 2 sets of wireless headphones and remote		

12/05

O – Optional

S – Standard

P – Included in Package

* All horsepower ratings are per SAE J1349 AUG2004