

2007 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	275 @ 6,200 rpm	
Torque	335 lb-ft @ 4,000 rpm	268 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 (required)	Premium unleaded	
Emissions system	Closed loop feedback system with 3-way catalyst		
Exhaust	Stainless steel with dual outlets		
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 AWD	V6 RWD
Drive configuration	Front engine/all-wheel drive (ATTESA-ETS AWD system)		Front engine/ rear- wheel drive
Transmission type	5-speed electronically controlled (Grade Logic) automatic overdrive transmission with manual shift mode		
Traction Control System (TCS)	S		
Vehicle Dynamic Control (VDC) w/ cancel switch	S		
Downshift Rev-Matching (DRM)	S		
Snow mode switch (retards throttle input)	S		

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DRIVETRAIN (Continued)		V8 AWD	V6 AWD	V6 RWD
Gear ratios (:1)				
	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, steel		
Front suspension		Independent strut with stabilizer bar		
Rear suspension	Independent multi-link	w/ stabilizer bar		S
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
Run-flat tuned suspension		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 AWD	V6 RWD
Wheels			
18" 8-spoke aluminum-alloy (8.0 JJ x 18) (high-luster titanium color)	-		S
20" 8-spoke aluminum-alloy (8.0 JJ x 20) (V6 Sport Package)	-		P
20" 8-spoke aluminum-alloy (8.0 JJ x 20) (V8 unique)	S		-
Tires			
265/60VR18 all-season radial tires	-		S
265/50VR20 all-season radial tires	S		O
Tire Pressure Monitor System	S		
Temporary spare tire, T175/90D18, mounted under cargo area floor	S		
Run Flat Tires (deletes spare tire)	P		

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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 (without/with roof rails)	65.0 / 65.9		
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) bi-xenon headlights (high/low beam)	S		
Chrome door handles, bumper trim, lower side sills			
Rear center high-mount stoplight			
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 heated outside mirrors			
Power folding outside mirrors	S		-
Dark Chrome grille	-		S
Black Chrome grille	S		P
Black window moldings	-		S
Chrome window molding	S		-
Power glass sunroof with rear tilt and sunshade	S		P
Auto on/off headlight operation	S		P
Roof rails (100-lb capacity with cross bars)		Aluminum	P
		Black	S

INTERIOR DIMENSIONS (inches)	Front	Rear
Head room (without sunroof)	40.8	39.5
Head room (with sunroof)	39.6	39.3
Shoulder room	56.9	57.4
Hip room	54.3	55.0
Leg room	43.9	35.2

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INTERIOR FEATURES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD
Intelligent Key	S		P
Bluetooth® Hands-Free Phone System	S		O
Leather-appointed seats	S		S
Heated 10-way power adjustable driver's seat including lumbar	S		S
Heated 8-way power passenger's seat	S		S
Driver's seat/mirrors/steering wheel memory system	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 and extensions			
Sill plates: stainless steel with Infiniti markings			
Independent reclining rear seats with center armrest and height adjustable head restraints			
Wood/Aluminum Trim	S		-
Etched Aluminum Trim	-		P
Cargo net and cargo cover	S		P
Intelligent Cruise Control w/ Brake Assist	P		
Navigation System – DVD-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	1,153

CURB WEIGHTS	V8 AWD	V6 AWD	V6 RWD
Curb weight (lbs.)	4,488	4,314	4,151
Weight distribution (% fr/rr)	54/46	53/47	52/48
GVWR (lbs.)	5,624	5,481	5,340

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2007 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 two subwoofers, AM/FM/mp3-CD playback with in-dash 6-disc CD autochanger and steering wheel audio controls	S		
Pre-wiring for iPod accessory	S		
Satellite radio (XM® or Sirius™)	P		
7-inch LCD color display	S		
RearView Monitor	S		
DVD Mobile Entertainment System with 7.0-inch flip down screen	P		
Roof and in-glass diversity 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 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			
Remote Keyless entry			
Lockable glove box with damper			
60/40 split-fold rear bench seats			
Front (2) and rear (2) cup holders			
Front variable intermittent wipers, rear intermittent wiper			
Front and rear height adjustable headrests, folding rear headrest			

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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			
3-point front seat belts with adjustable upper anchors (passenger side ALR/ELR), pretensioners and load limiters			
Seat belt reminder system (front)			
Body side reinforcements			
Child safety rear door locks, power window lock out 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			
First aid kit and tool kit			
Lane Departure Warning (LDW) system			
Preview Braking			

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

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PACKAGES AND OPTIONS	V8 AWD	V6 AWD	V6 RWD
Sport Package: Sport-tuned suspension, 20-inch wheels and tires, black chrome grille, tinted headlamps, taillamps and back up lamps, aluminum pedals, roof rails and interior trim	S	O	
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	S	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, run-flat tire sport-tuned suspension			
DVD Mobile Entertainment System: DVD player with 7-inch screen, 2 sets of wireless headphones and remote			

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