

2005 Infiniti FX45 and FX35

Technical Specifications, Features and Options

Source of Production: Nissan Shantai 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	315 hp @ 6,400 rpm	280 @ 6,200 rpm	
Torque	329 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)	LEV2	

DRIVETRAIN		V8 AWD	V6 AWD	V6 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) with cancel switch		S		
Gear ratios (:1)		5-speed automatic		
	1st	3.540		
	2nd	2.264		
	3rd	1.472		
	4th	1.000		
	5th	0.834		
	Reverse	2.370		
Final drive ratio (:1)		3.692		
Transfer gear ratio		1.000		

2005 Infiniti FX45 and FX35

Technical Specifications, Features and Options, cont.

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		

BRAKES	V8 AWD	V6 AWD	V6 RWD
Front: Vented disc – 12.60" x 1.10"	S		
Rear: Vented disc – 12.13" x 0.63"			
Electronic Brake force Distribution (EBD) and Brake Assist (BA)			
4-channel/4-sensor Anti-lock Braking System (ABS)			

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

WHEELS AND TIRES	V8 AWD	V6 AWD	V6 RWD
Wheels			
18" 7-spoke aluminum-alloy wheels (8.0 JJ x 18)	-	S	
20" 8-spoke aluminum-alloy wheels (8.0 JJ x 20)	S	P	
20" 8-spoke chrome aluminum-alloy wheels (8.0 JJx20)	O	-	
Tires			
265/60R18 all-season radial tires	-	S	
265/50R20 all-season radial tires	S	P	

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		

2005 Infiniti FX45 and FX35

Technical Specifications, Features and Options, cont.

EXTERIOR DIMENSIONS, CONT.	V8 AWD	V6 AWD	V6 RWD
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)	0.35		

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			
Rear center high-mount stoplight			
Dark chrome grille			
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			
Auto on/off headlight operation	P		P
Power glass sunroof with rear tilt and sunshade	P		
Front and rear body-color splash guards			
Roof-mounted luggage rack (100-lb capacity)			
Heated outside mirrors	P		P

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
Premium cloth seats	-		S
Leather-appointed seats	S		P
Driver's seat with 10-way power and power adjustable lumbar	S		P
8-way power passenger's seat	S		P
Driver's seat/mirrors/steering wheel memory system	S		P
Heated front seats	S		P
Power tilt and telescoping steering wheel	S		P
Leather-wrapped steering wheel and gearshift knob	S		
Driver and passenger seat back pockets			
Dual visors with illuminated vanity mirrors			
Sill plates (stainless steel) with Infiniti markings			

2005 Infiniti FX45 and FX35

Technical Specifications, Features and Options, cont.

INTERIOR FEATURES AND OPTIONS, CONT.	V8 AWD	V6 AWD	V6 RWD
Carpeted trunk and cargo area	S		
Independent reclining rear seats with center armrest			
Cargo net	P	P	
Cargo cover	P	P	
Intelligent Cruise Control w/ Brake Assist preview	O		
Mobile Entertainment System – DVD with 7.0-inch roof-mounted LCD screen			
Navigation System – CD-ROM based, with 7.0-inch screen and 3-D Birdview™ display			

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)	3,500		

CURB WEIGHTS	V8 AWD	V6 AWD	V6 RWD
Curb weight (lbs.)	4,370	4,268	4,110
Weight distribution (% fr/rr)	54/46	53/47	52/48
GVWR (lbs.)	5,462	5,351	5,164

COMFORT AND CONVENIENCE FEATURES	V8 AWD	V6 AWD	V6 RWD
Power windows with one-touch auto-up/down with safety reverse feature for front two windows (FX35); for all windows on FX45	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			
Front variable intermittent wipers, rear intermittent wipers			
Front and rear height adjustable headrests			
Rear heater ducts			
Remote keyless entry (2 transmitters)			
Sun visor extensions			
Lockable glove box with damper			
60/40 split fold-down rear bench seat			

COMFORT AND CONVENIENCE	V8 AWD	V6	V6
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2005 Infiniti FX45 and FX35

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FEATURES, CONT.		AWD	RWD
Power door locks (driver's side and front passenger's side) with selective unlocking	S		
Power remote release for liftgate rear hatch and fuel-filler door			
Illuminated power window and door lock switches			
Flip out front door pockets and rear door pockets			
Center console with dual level storage, overhead storage for sunglasses			
Front (2) and rear (2) cup holders			

AUDIO SYSTEM	V8 AWD	V6 AWD	V6 RWD
6-speaker AM/FM/cassette with in-dash 6-disc CD	S		
Bose® 9-speaker, 2-subwoofer audio system with AM/FM cassette and in-dash 6-disc CD	P		
Roof and glass antenna	S		

SAFETY AND SECURITY FEATURES	V8 AWD	V6 AWD	V6 RWD			
Driver and front-passenger dual-stage supplemental air bags with seat belt sensors	S					
Supplemental roof mounted side-impact curtain air bag, front and rear, with rollover protection						
Active front-seat 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						
Front and rear crumple zones						
Lane Departure Warning System (LDW)				O		

2005 EPA MILEAGE ESTIMATES (Actual mileage may vary)	V8 AWD	V6 AWD	V6 RWD
City	15	16	17
Highway	19	22	23
EPA Classification	Light - truck		

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

MODELS/PACKAGES/OPTIONS	V8 AWD	V6 AWD	V6 RWD
Sport Appearance Package: 8 spoke, 20-inch aluminum-alloy wheels with 265/R50R20 V-Rated all-season tires, drilled aluminum pedals, polished aluminum roof rails, aluminum trim, dark chrome accent grille, tinted head, tail and back-up lamps.	-	O	
Touring Package: Leather seating surfaces, heated front seats, driver's memory seat, power lumbar support, power tilt and telescoping steering wheel, heated outside mirrors, sunroof, 11-speaker Bose audio system, HomeLink® Universal Transceiver, auto on-off headlamps, steering wheel audio controls, black roof rails, cargo net and cargo cover	-	O	
Premium Package: Sunroof, 11-speaker Bose audio system, HomeLink Universal Transceiver, auto on-off headlamps, steering wheel audio controls, aluminum roof rails, cargo net, cargo cover	O	-	
Chrome Wheels: 20-inch chrome aluminum-alloy wheels (8 spoke)	O		-
Technology Package: Infiniti Navigation System, Intelligent Key, Intelligent Cruise Control with Preview Brake Assist, RearView Monitor	O		
DVD Mobile Entertainment System & Lane Departure Warning System: DVD player with 7-inch screen, 2 sets of wireless headphones and remote and Lane Departure Warning System (LDW)			

10/05

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