

2004 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 @ 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 recommended	
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)		

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 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		

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BODY, SUSPENSION AND STEERING	V8 AWD	V6 AWD	V6 RWD
Body type	All-steel unibody construction		
Front suspension	Independent strut with stabilizer bar		
Rear suspension	Independent multi-link with stabilizer bar (no stabilizer bar on RWD)		
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 12-volt battery			

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

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		

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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			
Power glass sunroof with rear tilt and sunshade		O	
Front and rear body-color splash guards			
Auto on/off headlight operation			
Roof-mounted luggage rack (100-lb capacity)			
Heated outside mirrors	S		O

INTERIOR DIMENSIONS (inches)	Front	Rear
Head room (with sunroof)	39.6	39.3
Head room (with out 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
Leather-appointed seats	S		O
Driver's seat with power adjustable lumbar			
Driver's seat/mirrors/steering wheel memory system			
Steering wheel with power tilt and telescope			
Heated front seats			
8-way power driver's seat		S	
8-way power passenger's seat			
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			

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INTERIOR FEATURES AND OPTIONS, CONT.	V8 AWD	V6 AWD	V6 RWD
Carpeted trunk and cargo area	S		
Independent reclining rear seats with center armrest			
Intelligent Cruise Control	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			
Cargo net			

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.)	4,309	4,215	4,056
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			

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COMFORT AND CONVENIENCE FEATURES, CONT.	V8 AWD	V6 AWD	V6 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 audio system with AM/FM cassette and in-dash 6-disc CD	S		
Roof and glass antenna			
Radio Data System (RDS)			
Bose® premium 300-watt audio system with AM/FM/cassette, in-dash CD player with 6-CD autochanger, 11 speakers (two subwoofers)	O		

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 side-impact curtain air bag, front and rear, roof mounted			
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			

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 – amber 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
Touring Package: leather-appointed seating surfaces, heated front seats, driver's memory seat, power lumbar support, power tilt & telescopic steering wheel, heated outside mirrors, sunroof, 300-watt Bose audio system w/ 6-CD in-dash and 11 speakers, HomeLink® Universal Transceiver, auto on-off headlamps, steering wheel audio controls, black roof rails, cargo floor protector and cargo net	-	O	
Premium Package: sunroof, 300-watt Bose audio system w/ 6-CD in-dash and 11 speakers, HomeLink Universal Transceiver, auto on-off headlamps, steering wheel audio controls, aluminum roof rails, cargo floor protector and cargo net	O	-	
Sport Package: includes all V6 Premium Package contents plus: 20-inch wheels and tires, sport-tuned suspension, aluminum pedals and polished-aluminum roof rails	-	O	
Chrome Wheels: 20-inch chrome aluminum-alloy wheels (8 spoke)	O	-	
Technology Package: Infiniti Navigation System, Intelligent Key, Intelligent Cruise Control with Preview Braking, RearView Monitor, and Tire Pressure Monitor System	O		
DVD Mobile Entertainment System: DVD player with 7-inch screen, 2 sets of wireless headphones and remote			

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