

2006 Infiniti M35/45

Technical Specifications, Features and Options

Source of Production: Nissan Motor Co., Ltd.

Assembly Plant Location: Tochigi, Japan

ENGINE	M35	M45
Type	VQ35 DOHC 24-valve	VK45 DOHC 32-valve
Orientation	Longitudinal	
Cylinders / configuration	V6 with molybdenum coated pistons	V8 with molybdenum coated pistons
Block / head composition	Aluminum-alloy / Aluminum-alloy	
Displacement	3.5 liters	4.5 liters
Horsepower*	280 hp @ 6,200 rpm	335 hp @ 6,400 rpm
Torque	270 lb-ft @ 4,800 rpm	340 lb-ft @ 4,000 rpm
Bore x stroke (mm)	95.5 x 81.4	93.0 x 82.7
Compression ratio (:1)	10.3	10.5
Induction system	High Flow	2-position variable
Valvetrain	4 valves per cylinder	4 titanium valves per cylinder
Continuously Variable Valve Timing Control System (CVTCS)	Intake Camshaft	
Recommended fuel	Premium unleaded, at least 91 AKI number	
Emissions system	Closed loop feedback system with 3-way catalyst	
Exhaust	Stainless steel quad-tipped dual exhaust	
Maximum engine speed	6,600 rpm	
Emissions certification level	50 state	

ELECTRICAL	M35	M45
Electronic ignition system	S	
Starter rating	1.7 kW	2.0 kW
Alternator	12V - 150 AMP	

DRIVETRAIN	M35			M45	
	Base	Sport	AWD	Base	Sport
Drive configuration Rear Wheel Drive All-wheel Drive (ATTESA E-TS)	S -	S -	- S	S -	S -
Transmission type	5-speed electronically controlled automatic overdrive transmission with real time feedback, learning algorithm and manual shift mode with Downshift Rev Matching				
Vehicle Dynamic Control (VDC) with Traction Control and cancel switch	S				
Gear ratios (:1)	V6			V8	
1st	3.842			3.827	
2nd	2.353			2.368	
3rd	1.529			1.520	
4th	1.000			1.000	
5th	0.839			0.834	
Reverse	2.765			2.613	
Final drive ratio (:1)	3.538 (AWD 3.692)			3.357	

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BODY, SUSPENSION AND STEERING	M35			M45	
	Base	Sport	AWD	Base	Sport
Body type	Corrosion resistant and high strength steel unibody construction, aluminum-alloy hood, deck lid and door structures				
Front suspension	Independent double wishbone with stabilizer bar & coil springs				
Rear suspension	Independent multi-link with stabilizer bar & coil springs				
Steering ratio (:1)	16.4		16.1	16.4	
Turning diameter (curb-to-curb) ft	36.7		36.1	36.7	
Turns (lock-to-lock)	3.0				
Steering type	Electrically-controlled vehicle-speed-sensitive power-assisted rack-and-pinion				
Steering wheel Type Tilt Telescopic Controls	4-spoke leather-appointed with perforated grips Power with memory Power with memory Audio, cruise control, vehicle information system				
Rear Active Steer	-	S	-	-	S

BRAKES	
Front: 12.6-inch x 1.1-inch power-assisted vented disc	S
Rear: 12.1-inch x 0.63-inch power-assisted vented disc	
Electronic Brake force Distribution (EBD) and Brake Assist (BA)	
4-channel/4-sensor/4-wheel Anti-lock Braking System (ABS)	
Preview Braking	O

WHEELS AND TIRES	M35			M45	
	Bse	Sprt	AWD	Base	Sport
Wheels					
18-inch 8-spoke aluminum-alloy wheels, premium "Titanium" finish (8.0JJ x 18)	S	-	S	S	-
18-inch 8-spoke aluminum-alloy wheels, "Chrome" finish (8.0JJ x 18)	O	-	O	O	-
19-inch 5-spoke aluminum superlight alloy wheels, premium "Titanium" finish (8.5JJ x 19)	-	S	-	-	S
Tires					
245/45R18 96V-rated all season radial tires	S	-	S	S	-
245/40R19 94W-rated high-performance tires	-	S	-	-	S
Full-size spare tire with aluminum-alloy wheel	O				
Temporary-size spare tire (145/80D17)	S				
Tire Pressure Monitor System (direct reading)	S				

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EXTERIOR DIMENSIONS (inches unless noted otherwise)	M35			M45	
	Bse	Sprt	AWD	Base	Sport
Wheelbase	114.2				
Overall length	192.6				
Overall width	70.8				
Overall height	59.4	59.5	60.0	59.4	59.5
Front track width	60.2		60.4	60.2	
Rear track width	60.8		60.4	60.8	
Minimum ground clearance	5.1	5.3	5.5	5.1	5.3
Coefficient of Drag (Cd)	0.28; 0.27 (when equipped w/ optional rear decklid spoiler)				
Angle of approach (degrees)	15.6	15.8	16.8	15.6	15.8
Angle of departure (degrees)	15.9	15.6	16.8	15.9	15.6
Trunk liftover height	28.0		28.6	28.0	
Step-in height					
Front	15.6	15.7	16.2	15.6	15.7
Rear	15.7	15.8	16.3	15.7	15.8

EXTERIOR FEATURES AND OPTIONS	M35			M45	
	Bse	Sprt	AWD	Base	Sport
High Intensity Discharge (HID) xenon headlights with Adaptive Front Lighting and auto-leveling - dark trim on Sport models	P	S	P	P	S
Headlight auto on/off feature with variable-off delay and variable-on sensitivity	S				
Body-color front and rear bumpers					
Green-tinted glass with dark-tint upper windshield band and UV cut					
Chrome grip-type door handles with body-color inserts					
Dual body-color power remote-controlled outside mirrors with integrated turn signals					
Heated mirrors with timer, driver's automatic dimming and selectable left/right mirror tilt-down in reverse gear					
Rear window defroster with timer					
Rear center high-mounted stop lamp					
Chrome grille with large Infiniti logo emblem					
Power sliding glass sunroof with one-touch auto-open/close and rear tilt with anti-pinch					

INTERIOR DIMENSIONS (inches)	Front	Rear
Head room - standard/Premium Package	39.6	37.8/37.1
Shoulder room - standard/Premium Package	58.2	56.9/56.7
Hip room	55.1	53.9
Leg room - standard/Premium Package	44.2	37.3/36.2

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INTERIOR FEATURES AND OPTIONS	
10-way power driver's seat with power lumbar support	S
6-way power passenger's seat	
Leather-appointed seats and head restraints	
Adjustable front seat active head restraints and adjustable rear head restraints	
Front seat back pockets	
Stainless steel sill plates with lighted Infiniti lettering	
Genuine leather-wrapped steering wheel and gearshift knob	
Genuine Aluminum trim (Sport)	
Front door pockets	
Ceiling-mounted assist grips	
Driver's entry/exit system with two-position memory function	
Auto-dimming inside rear view mirror	O
Rear view mirror mounted compass and Homelink™ Transceiver with Rolling Code Compatibility	
Genuine Rosewood accents on doors, instrument panel and center console	Standard on non-Sport models, Optional on Sport models
Genuine Aluminum accents on doors, instrument panel and center console	Standard on Sport models
Climate controlled front seats	Standard on Sport models, Optional on non-Sport models

CAPACITIES	
Seating capacity	5
Fuel tank (gals.)	20
Passenger compartment volume (cubic feet)	S=105.2;O=103.1 (Premium Package)
Cargo volume (cubic feet)	
With temporary spare tire	14.9
With full-size spare tire	11.4
Engine oil (qts.)	6.0 (V6), 7.1 (V8)
Engine coolant (qts.)	9.2L w/ .6 reserve tank (V6); 10.2L w/ .9 reserve tank (V8)

CURB WEIGHTS		M35			M45	
		Bse	Sprt	AWD	Base	Sport
Curb weight (lbs.)	Front	2,052	2,072	2,201	2,140	2,160
	Rear	1,780	1,808	1,803	1,808	1,835
	Total	3,832	3,880	4,004	3,948	3,995
Weight distribution (% fr/rr)		54/46		55/ 45	54/46	
GVWR (lbs.)		5,053		5,066	5,053	

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EPA MILEAGE ESTIMATES (Actual mileage may vary)	M35			M45	
	Bse	Sprt	AWD	Base	Sport
City	18	18	17	17	17
Highway	25	25	24	23	23
EPA Classification	Mid-size				

AUDIO SYSTEM	
AM/FM stereo with steering wheel audio controls	S
In-dash 6 CD autochanger with mp3 and WMA playback capability	S
Precision Phased, 6-speaker audio system	S
Bose® 2 channel premium audio system with 8-speakers	P
Bose® Studio Surround™ premium audio system with digital 5.1 channel decoding, 14-speakers, including personal speakers in the front seats, and Audio Pilot™ Noise Compensation	P
Mobile Entertainment System – DVD player with 8-inch power retractable rear screen with 2 sets of wireless headphones and remote control	P
Rear window diversity antenna	S
Satellite radio pre-wiring	S
Satellite radio (XM® or Sirius™)	P

COMFORT AND CONVENIENCE FEATURES	
Cruise control with steering wheel switches	S
Automatic temperature control, dual zone, with micro filter and rear air vent	
7.0-inch color LCD driver information display	
One-touch auto-up/down front windows with anti-pinch feature and remote keyless entry-activated all windows open mode	
Front seat entry/exit assist with cancellation capability	
Remote trunk release	
Power door locks with selective unlocking feature and remote keyless entry	
Power tilt and telescopic steering column with memory	
Center console with dual-adjustable armrests, dual level storage and 12-volt power outlet	
Illuminated entry/exit system with time delay fade-out feature	
Locking glove compartment with lights	
Dual illuminated visor vanity mirrors	
Driver and front-passenger double sun visors with extenders	
Dual overhead map lights (front and rear)	

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COMFORT AND CONVENIENCE FEATURES, CONT.	
Front door map pockets	S
Dual front cup holders with cover	
Rear armrest with cup holders and storage	
Fully carpeted trunk with mat and cargo net	
Infiniti Voice Recognition System which controls audio, HVAC, optional navigation, and Bluetooth-compatible phones	
Retained accessory power for sunroof/windows	P
Intelligent Cruise Control	

SAFETY AND SECURITY FEATURES	
Advanced air bag technology with passenger seat occupant classification sensor	S
Driver and passenger dual stage supplemental airbags, front seat mounted side airbags and front and rear side curtain airbags	
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)	
3-point rear seat belts (ALR/ELR in all positions)	
Front seat Active Head Restraints	
Shift interlock system	
Energy-absorbing steering column	
Hood buckling creases and safety stops	
Front and rear crumple zones	
Body side reinforcements	
Child safety rear door locks	
LATCH system: rear child safety seat tether anchors (3 in rear parcel shelf, lower rigid bar anchor with 2 positions)	
Power window lockout button	
Emergency inside trunk release	
Steering wheel lock	
Infiniti Intelligent Key with push-button ignition system	
Remote Keyless Entry system	
Vehicle Security System	
Infiniti Vehicle Immobilizer System	P
Lane Departure Warning (LDW) system	
RearView Monitor	
Front Pre-Crash Seatbelts	

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INSTRUMENTATION	
Electroluminescent speedometer, tachometer, coolant temperature and fuel gauges	S
Ambient temperature (located in center-mounted LCD display)	
LCD odometer with dual trip meters, LCD gear select identification (both automatic and manual shift mode)	
Analog clock	

PACKAGES AND OPTIONS	
Journey Package: Bose® 2-channel premium audio system with 8 speakers, climate controlled front seats, HomeLink® Universal Transceiver, advanced RearView Monitor, Adaptive Front lighting System with xenon HID headlamps and automatic leveling, front pre-crash seatbelts and compass	O
Journey Package (Sport): Bose® 2-channel Premium audio system with 8 speakers, HomeLink® Universal Transceiver, advanced RearView Monitor, front Pre-Crash seatbelts and compass	
Technology Package: DVD navigation system with 8.0-inch LCD screen and Intelligent Cruise Control, Bose® 5.1 channel Studio Surround™ sound system, Lane Departure Warning (LDW) system, XM® or Sirius™ satellite radio	
Premium Package: contents of Journey Package and Technology Package plus Mobile Entertainment System, heated and power reclining rear seats, power rear sunshade and rear passenger HVAC and audio controls with lockout	
Mobile Entertainment System: DVD player with 8-inch power retractable rear screen with 2 sets of wireless headphones and remote control	
Navigation System: DVD navigation system with 8-inch monitor	
18-inch Chrome Wheels (N/A Sport Models)	
Satellite radio (XM® or Sirius™)	
Full-size spare tire - 18-inch (non-Sport models)	
Full-size spare tire - 19-inch (Sport)	

8/05

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

* All horsepower ratings are per SAE J1349 JUN1995