

2007 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	275 hp @ 6,200 rpm	325 hp @ 6,400 rpm
Torque	268 lb-ft @ 4,800 rpm	336 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 (recommended)	Premium (required)
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	
	Luxury	Sport	AWD	Luxury	Sport
Drive configuration					
Rear Wheel Drive	S	S	-	S	S
All-wheel Drive (ATTESA E-TS)	-	-	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	
	Luxury	Sport	AWD	Luxury	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 0.6-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	
	Lxry	Sprt	AWD	Luxury	Sport
Wheels					
18-inch 8-spoke cast aluminum-alloy wheels, premium "Titanium" finish (8.0JJ x 18)	S	-	S	S	-
18-inch 8-spoke cast aluminum-alloy wheels, "Chrome" finish (8.0JJ x 18)	O	-	O	O	-
19-inch 5-spoke cast 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
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	
	Lxry	Sprt	AWD	Luxury	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	
	Lxry	Sprt	AWD	Luxury	Sport
High Intensity Discharge (HID) xenon headlights with Adaptive Front lighting System (AFS) 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 heated outside mirrors with timer, memory 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	M35			M45	
	Lxry	Sprt	AWD	Luxury	Sport
10-way power driver's and front passenger's seat with power lumbar support	S				
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					
Front door pockets					
Ceiling-mounted assist grips					
Driver's entry/exit system with two-position memory function					
Auto-dimming inside rear view mirror					
Rear view mirror mounted compass and HomeLink™ Transceiver with Rolling Code Compatibility					
Genuine Brazilian Rosewood accents on doors, instrument panel and center console					
Sport front driver's and passenger's seats with larger bolstering and premium stitching	-	S	-	S	-
Genuine Aluminum accents on doors, instrument panel and center console	-	S	-	S	-
Climate controlled front seats	O	S			

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, w/temp spare tire)	14.9
Engine oil (qts.)	6.0 (V6), 7.1 (V8)
Engine coolant (qts.)	9.2 including .6 reserve tank (V6); 10.2 including .9 reserve tank (V8)

CURB WEIGHTS		M35			M45	
		Lxry	Sprt	AWD	Luxury	Sport
Curb weight (lbs.)	Front	2,081	2,084	2,223	2,169	2,172
	Rear	1,809	1,832	1,820	1,836	1,860
	Total	3,889	3,916	4,043	4,005	4,032
Weight distribution (% fr/rr)		54/ 46	53/ 47	55/ 45	54/46	54/46
GVWR (lbs.)		5,053		5,066	5,053	

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

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AUDIO SYSTEM	
Precision Phased, 160-watt 6-speaker audio system, in-dash 6-CD autochanger with mp3 and WMA playback capability, steering wheel audio controls and speed-sensitive volume	S
Bose® 2-channel premium 234-watt audio system with 8-speakers, and Audio Pilot™ Noise Compensation	P
Bose® Studio Surround™ premium 308-watt audio system with digital 5.1 channel decoding, 14-speakers, including personal speakers in the front seats, A/V input jacks, and Audio Pilot™ Noise Compensation	P
Mobile Entertainment System – DVD player with 8-inch power retractable rear screen, A/V input jacks, 2 sets of wireless headphones and remote control	P
Rear seat audio controls	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
Dual Zone automatic temperature control with micro filter and rear air vent	
7.0-inch color LCD vehicle information system/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	
Front door map pockets	
Dual overhead map lights (front and rear)	
Dual front cup holders with cover	

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COMFORT AND CONVENIENCE FEATURES, CONT.	
Rear armrest with cup holders and storage	S
Fully carpeted trunk with mat and cargo net	
Bluetooth hands-free connectivity	
Infiniti Voice Recognition System which controls audio, vehicle information system, 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	
3-point front seat belts with adjustable upper anchors (passenger side ALR/ELR), pretensioners and load limiters	
3-point rear seat belts (ALR/ELR in all positions)	
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	
Brake Activated Front Pre-Crash Seatbelts	
Infiniti Vehicle Immobilizer System	
Lane Departure Warning (LDW) system	P
RearView Monitor	

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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	M35			M45	
	Lxry	Sprt	AWD	Luxury	Sport
Journey Package: Xenon HID headlamps with automatic leveling, Adaptive Front lighting System (AFS), climate control front seats	O on M35 Luxury, standard on all other models				
Technology Package: Bose® 2-channel, 8-speaker audio system, DVD navigation system w/ 8-inch monitor, RearView™ Monitor	O, requires Journey Package			O	
Advanced Technology Package: Intelligent Cruise Control (with Preview Braking), Bose® 14-speaker 5.1 channel Studio Surround™ sound system, Lane Departure Warning (LDW) system, XM® or Sirius™ satellite radio, audio/video inputs on rear of center console, DVD-video/DVD-audio drive mounted in center console	O, requires Technology Package, AWD requires Xenon/AFS and accessory trunk mat			O	
Premium Package: contents of Technology Package and Advanced Technology Package plus Mobile Entertainment System, heated and power reclining rear seats, power rear sunshade and rear passenger HVAC and audio controls with lockout	O, requires Journey Package, AWD requires Xenon/AFS and accessory trunk mat			O	
Mobile Entertainment System: Center console-mounted DVD player with 8-inch power retractable rear screen, 2 sets of wireless headphones, RCA-type audio/video inputs on the rear of the center console and a remote control	O, requires Technology Package				
Navigation System: DVD navigation system with 8-inch monitor	O				
18-inch Chrome Wheels	O, requires Advanced Technology or Premium Package, N/A Sport Models				
Satellite Radio (XM® or Sirius™)	O, requires Technology Package				

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PACKAGES AND OPTIONS (Continued)	M35			M45	
	Lxry	Sprt	AWD	Luxury	Sport
Rosewood Trim	O, Sport models only				
Xenon/AFS: Xenon HID headlamps with automatic leveling, Adaptive Front lighting System (AFS)	O, requires Advanced Technology or Premium Package, M35 AWD only				
Accessories: Trunk Mat (requires Advanced Technology Package or Premium Package on M35 AWD), Splash Guards, Satellite Radio, Rear Deck Lid Spoiler or Aerodynamic Body Kit (front/rear lower fascias, side sills, rear deck lid spoiler)	O				

O - Optional

S - Standard

P - Included in Package

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