

# 2008 Infiniti M35/M45

## Technical Specifications, Features and Options

Source of Production: Nissan Motor Co., Ltd.

Assembly Plant Location: Tochigi, Japan

**\*Sport columns designate features included in Sport Package, not a separate model.**

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 cyl.
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	Lxry	Sport*	AWD
Drive configuration						
Rear Wheel Drive	S	-	-	S	-	-
All-wheel Drive (ATTESA E-TS)	-	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)	<b>V6</b>			<b>V8</b>		
<b>1st</b>	3.842			3.827		
<b>2nd</b>	2.353			2.368		
<b>3rd</b>	1.529			1.520		
<b>4th</b>	1.000			1.000		
<b>5th</b>	0.839			0.834		
<b>Reverse</b>	2.765			2.613		
Final drive ratio (:1)	3.538	3.692		3.357		TBD

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BODY, SUSPENSION AND STEERING	M35			M45		
	Luxury	Sport	AWD	Luxury	Sport	AWD
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 and coil springs					
Rear suspension	Independent multi-link with stabilizer bar and coil springs					
Steering ratio (:1)	16.4		16.1	16.4		16.1
Turning diameter (curb-to-curb) ft	36.7		36.1	36.7		36.1
Turns (lock-to-lock)	3.0					
Steering type	Electrically-controlled vehicle-speed-sensitive power-assisted rack-and-pinion					
Steering wheel type	4-spoke leather-appt. with perf. grips (RWD/AWD) Sport 4-spoke leather-appt. with unique stitching (Sport Pkg.)					
Tilt	Power with memory					
Telescopic	Power with memory					
Controls	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	Lxry	Sprt	AWD
<b>Wheels</b>						
18-inch 8-spoke cast aluminum-alloy wheels, premium "Titanium" finish (8.0JJ x 18)	S	-	S	S	-	S
19-inch 5-spoke cast aluminum superlight alloy wheels, premium "Titanium" finish (8.5JJ x 19)	-	S	-	-	S	-
<b>Tires</b>						
245/45R18 96V-rated all season radial tires	S	-	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	Lxry	Sprt	AWD
Wheelbase	114.2					
Overall length	192.6					
Overall width	70.8					
Overall height	59.4	59.5	60.0	59.4	59.5	60.0
Front track width	60.2		60.4	60.2		60.4
Rear track width	60.8		60.4	60.8		60.4
Minimum ground clearance	5.1	5.3	5.5	5.1	5.3	5.5
Coefficient of Drag (Cd)	TBD					
Trunk liftover height	28.0		28.6	28.0		28.6
Step-in height						
Front	15.6	15.7	16.2	15.6	15.7	16.2
Rear	15.7	15.8	16.3	15.7	15.8	16.3

EXTERIOR FEATURES AND OPTIONS	M35			M45		
	Lxry	Sprt	AWD	Lxry	Sprt	AWD
High Intensity Discharge (HID) xenon headlights with Adaptive Front lighting System (AFS) and auto-leveling – dark trim on Sport models	S		O	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 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 moonroof 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	Lxry	Sprt	AWD
10-way power driver's and front passenger's seat with power lumbar support	S					
Leather-appointed seats and head restraints	S					
Adjustable front seat active head restraints and adjustable rear head restraints	S					
Front seat back pockets	S					
Stainless steel sill plates with lighted Infiniti lettering	S					
Genuine leather-wrapped steering wheel and gearshift knob	S					
Front door pockets	S					
Ceiling-mounted assist grips	S					
Driver's entry/exit system with two-position memory function	S					
Auto-dimming inside rear view mirror	S					
Rear view mirror mounted compass and HomeLink™ Transceiver with Rolling Code Compatibility	S					
African Rosewood accents on doors, instrument panel and center console	S	O	S	S	O	S
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	-
Heated and power reclining rear seats	P	-	P	P	-	P
Climate controlled front seats	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 .63 reserve tank (V6); 10.2 including .85 reserve tank (V8)

CURB WEIGHTS		M35			M45		
		Lxry	Sprt	AWD	Lxry	Sprt	AWD
Curb weight (lbs.)	Front	2,055	2,191	2,158	2,308		
	Rear	1,821	1,850	1,832	1,868		
	Total	3,876	4,041	3,990	4,176		
Weight distribution (% fr/rr)		53/47	54/46	54/46	55/45		
GVWR (lbs.)		4,872	4,995	5,000	5,128		

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EPA MILEAGE ESTIMATES (Actual mileage may vary)	M35			M45		
	Lxry	Sprt	AWD	Lxry	Sprt	AWD
City	16		16	16		T16
Highway	23		22	21		TBD
EPA Classification	Full-size					

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 – RWD/AWD; O – Sport Package					
Rear seat audio controls	P	-		P	-	P
Rear window diversity antenna	S					
XM® Satellite Radio	S					

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						
Rain-sensing front windshield wipers						
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						

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### *Technical Specifications, Features and Options*

<b>COMFORT AND CONVENIENCE FEATURES, CONT.</b>	
Locking glove compartment with light	S
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	
Rear armrest with cup holders and storage	
Fully carpeted trunk with mat and cargo net	
Infiniti Intelligent Key with push-button ignition system	
Bluetooth hands-free connectivity	
Retained accessory power - moonroof/windows	
Infiniti Voice Recognition System which controls audio, vehicle information system, HVAC, optional navigation, and Bluetooth-compatible phones	P
Intelligent Cruise Control	P

<b>SAFETY AND SECURITY FEATURES</b>	
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	
Remote Keyless Entry system	
Vehicle Security System	
Brake Activated Front Pre-Crash Seatbelts	
Infiniti Vehicle Immobilizer System	
Lane Departure Prevention (LDP) system	
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)	

PACKAGES AND OPTIONS	M35	M45
	RWD	AWD
<b>Sport Package:</b> Rear Active Steer, sport-tuned suspension, 5-spoke 19-inch aluminum alloy wheels, sport-bolstered and trimmed front seats, sport steering wheel, aluminum pedal accents, sport body styling	O (n/a w/ Premium Package, n/a M35x)	O (n/a M45x)
<b>Technology Package:</b> Bose® 2-channel, 8-speaker audio system, 8" DVD navigation system w/ 8-inch monitor, RearView™ Monitor, iPod interface w/ cable, 9.3-gigabyte Music Box hard drive, Voice Recognition	O	
<b>Advanced Technology Package:</b> Intelligent Cruise Control (with Preview Braking), Bose® 14-speaker 5.1 channel Studio Surround™ sound system, Lane Departure Prevention (LDP) system, audio/video inputs on rear of center console, DVD-video/DVD-audio drive mounted in center console	O, requires Technology Package	
<b>Premium Package:</b> contents of Technology Package and Advanced Technology Package plus Mobile Entertainment System, heated and power reclining rear seats and rear passenger HVAC and audio controls with driver lockout	O (n/a w/ Sport Package)	O (n/a w/ Sport Package)
<b>Mobile Entertainment System:</b> 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 Advanced Technology Package and Sport Package	O, requires Advanced Technology Package and Sport Package
<b>African Rosewood Trim</b>	O on M35 with Sport Package	O on M45 with Sport Package
<b>Xenon/AFS:</b> Xenon HID headlamps with automatic leveling, Adaptive Front lighting System (AFS)	O on M35x, std on all other models,	S

**O** – Optional

**S** – Standard

**P** – Included in Package

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