

2012 Infiniti M35h

Technical Specifications, Features and Options

Source of Production: Nissan Motor Co., Ltd.

Assembly Plant Location: Tochigi, Japan

Note: 2012 M37 and M56 specifications available at InfinitiNews.com

GASOLINE ENGINE	
Type	VQ35HR DOHC 24-valve
Orientation	Longitudinal
Cylinders / configuration	V6 with molybdenum coated pistons
Block / head composition	Aluminum-alloy
Displacement	3.5 liters
Horsepower	302 hp @ 6,800 rpm
Torque	258 lb-ft @ 5,000 rpm
Bore x stroke (mm)	95.5 x 81.4
Compression ratio (:1)	10.6
Induction system	Sequential multi-port fuel injection
Valvetrain	4 valves per cylinder
Engine Mounts (Type)	Side: 2 (liquid-filled) Rear: 1 (liquid-filled)
Recommended fuel	Premium (recommended)
Emissions system	Closed loop feedback system with 2 catalysts
Exhaust	Dual exhaust with polished tips
Maximum engine speed	7,500 rpm
Emissions certification level	Tier 2, Bin 5, LEV2 U-LEV, Near-zero EVAPO

ELECTRIC MOTOR	
Type	Advanced electric motor
Horsepower	67 @ 1,770 rpm
Torque	199 lb-ft @ 1,770 rpm

BATTERY	
Type	High-output laminated Lithium-ion (Li-ion)
Output	50 kW
Nominal Voltage	346 V

HYBRID SYSTEM NET POWER	
Horsepower	360 hp

ELECTRICAL	
Electronic ignition system	S
Starter rating	1.6 kW
Alternator	12V – 150 Amp
Electric A/C compressor	S

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DRIVETRAIN	
Drive configuration Rear-wheel Drive	S
7-speed electronically controlled automatic transmission with Adaptive Shift Control (ASC) and manual shift mode	S
Gear ratios (:1)	
1st	4.783
2nd	3.103
3rd	1.984
4th	1.371
5th	1.000
6th	0.871
7th	0.776
Reverse	3.859
Final drive ratio (:1)	2.611

BODY, SUSPENSION AND STEERING	
Body type	Corrosion resistant and high strength steel unibody construction, aluminum-alloy hood, doors and door structures
Front suspension	Independent double wishbone with coil springs and stabilizer bar
Rear suspension	Independent multi-link with coil springs and stabilizer bar
Double-piston shock absorbers specifically tuned for M35h	S
Steering ratio (:1)	16.9
Turning diameter (curb-to-curb) ft	36.7
Turns (lock-to-lock)	3.09
Steering type	Vehicle-speed-sensitive with Hybrid Electric Power Steering system
Steering wheel type Tilt Telescopic Controls	4-spoke leather-appointed Power with memory Power with memory Audio, cruise control, Bluetooth®

BRAKES	
Type	Electric Driven Intelligent Brake (regenerative)
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	
4-channel/4-sensor/4-wheel Anti-lock Braking System (ABS)	S
Brake Assist, Electronic Brake Force Distribution	S

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WHEELS AND TIRES	
Wheels	
18 x 8.0-inch, double 5-spoke aluminum-alloy wheels	S
18 x 8.0-inch, tri-split 5-spoke aluminum-alloy wheels	O
Tires	
245/50R18 V-rated all-season performance tires	S
Temporary spare tire (165/80R17)	S
Tire Pressure Monitoring System (TPMS) with individual tire pressure display	S

EXTERIOR DIMENSIONS (inches unless noted otherwise)	
Wheelbase	114.2
Overall length	194.7
Overall width	72.6
Overall height	59.1
Front track width	62.0
Rear track width	61.8
Minimum ground clearance	6.0
Coefficient of Drag (Cd)	0.26

EXTERIOR FEATURES AND OPTIONS	
Automatic on/off High Intensity Discharge (HID) xenon headlights with windshield wiper interlock	S
Adaptive Front lighting System (AFS) with auto-leveling headlights	P
Body-color front and rear bumpers	S
Green-tinted glass with dark-tint upper windshield band and UV cut	S
Chrome grip-type door handles	S
Front door handle courtesy lights	S
Power folding, heated outside mirrors with reverse tilt-down feature	S
Rear window defroster with timer	S
Rear center high-mounted stop lamp (CHMSL)	S
Chrome grille with large Infiniti logo emblem	S
Power sliding tinted glass moonroof with one-touch auto-open/close, tilt feature and sliding sunshade	S
Rain-sensing variable intermittent front windshield wipers	S

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INTERIOR DIMENSIONS (inches)	Front	Rear
Head room	39.1	37.7
Shoulder room	58.4	56.7
Hip room	54.3	53.5
Leg room	44.4	36.2

INSTRUMENTATION	
Unique instrument meters, meter display and IT screen displays	S
Outside temperature display	S

INTERIOR FEATURES AND OPTIONS	
Leather-appointed seating	S
Perforated semi-aniline leather seating	P
10-way power driver's and front passenger's seats including 2-way power lumbar support	S
Heated front seats	S
Entry/exit assist for driver's seat and steering wheel	S
Adjustable front seat active head restraints and adjustable rear head restraints	S
Sequential welcome lighting illum. entry system	S
Front seatback map pockets	S
Stainless steel sill plates with Infiniti lettering	S
Genuine leather-wrapped steering wheel and gearshift knob	S
Heated steering wheel	P
Front door map pockets	S
Suede-like headliner, premium soft-touch material for armrests, door inserts, center console and kneepads; premium stitched meter hood	P
Ceiling-mounted assist grips	S
Dual occupant memory system for driver's seat, steering wheel, outside mirrors linked to individual Intelligent Keys	S
Auto-dimming inside rear view mirror	S
HomeLink [®] Transceiver	S
Power rear sunshade	P
Genuine Japanese Ash wood accents on doors, instrument panel and center console	S
White Ash silver-powdered wood trim	P
Infiniti analog clock	S
Dual front and rear cupholders	S
Rear armrest with cup holders and storage	S

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AUDIO SYSTEM	
6-speaker audio system with AM/FM/CD with MP3/WMA playback capability, Radio Data System (RDS), speed-sensitive volume control	S
Bose® Studio Surround® sound system with digital 5.1 channel decoding, 16 speakers and Bose® Centerpoint® 2 signal processing	P
Single in-dash CD player	S
Single in-dash CD/DVD player	P
USB Connection Port for iPod® interface and other compatible devices	S
9.3GB Music Box® hard drive	P
Streaming Audio via Bluetooth®	P
XM® Satellite Radio	S
Rear window diversity antenna	S

COMFORT AND CONVENIENCE FEATURES	
Active Noise Control (ANC)	S
Cruise control with steering wheel-mounted switches	S
Intelligent Cruise Control (Full-Speed Range)	P
Distance Control Assist (DCA)	P
Active Trace Control	P
Eco Pedal	P
Bluetooth® Hands-free Phone System	S
Dual Zone Automatic Temperature Control system with mild flow vent located on upper dash	S
Forest Air® system with Advanced Auto Recirculation, Breeze Mode, Plasmacluster™ Air Purifier and Grape Polyphenol filter	P
RearView Monitor	S
One-touch auto-up/down front windows with auto-reverse feature and remote keyless entry-activated all windows open mode	S
Power door locks with selective unlocking, auto lock feature and remote keyless entry	S
Power tilt/tele. steering column w/ memory	S
Center console with dual-adjustable armrests, dual level storage and 12-volt power outlet	S
Locking glove compartment with light	S
Dual front illuminated visor vanity mirrors	S
Dual overhead map lights (front and rear)	S

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COMFORT AND CONVENIENCE FEATURES, CONT.	
Remote trunk release	S
Infiniti Intelligent Key with Illuminated Push Button Ignition	S
Enhanced Intelligent Key memory stores an occupant memory position, and last used audio, climate control, and navigation settings	S
Retained accessory power for windows and moonroof	S
Infiniti Hard Drive Navigation System with 8-inch WVGA color touch-screen display, Lane Guidance and 3-D building graphics	P
Infiniti Voice Recognition for audio, navigation, and vehicle information systems	P
XM NavTraffic® with Real-Time Traffic Information	P
XM NavWeather™ with Real-Time Weather and 3-day forecast	P
Zagat Survey® Restaurant Guide	P

CAPACITIES	
Seating capacity	5
Fuel tank (gals.)	17.8
Passenger compartment volume (cubic feet)	103.6
Cargo volume (cubic feet, w/temp spare tire)	11.3
Engine oil (qts.)	5.2
Engine coolant (qts.)	8.6

CURB WEIGHTS		
Curb weight (lbs.)	Front	2,123
	Rear	2,006
	Total	4,129
Weight distribution (% fr/rr)		51/49
GVWR (lbs.)		5,269

EPA MILEAGE ESTIMATES (Actual mileage may vary)	
City	27
Highway	32
Combined	29
EPA Classification	Midsized Cars

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PASSENGER RESTRAINT SYSTEMS	
Infiniti Advanced Air Bag System (AABS) with dual-stage supplemental front air bags with seat belt sensors and occupant classification sensor	S
Driver and front passenger seat-mounted side-impact supplemental air bags	S
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection	S
Front-seat Active Head Restraints with 4-way manual adjustment	S
Front Pre-Crash Seatbelts	P
Front seat belts with adjustable upper anchors, pretensioners and load limiters	S
3-point front and rear seat belts with Automatic Locking Retractor (ALR) and Emergency Locking Retractor (ELR) (driver's seat ELR only)	S

SAFETY FEATURES	
Shift interlock system	S
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 (Lower Anchors and Tethers for Children)	
Power window lockout button	
Emergency inside trunk release	
Tire Pressure Monitoring System (TPMS) with individual tire pressure display	
Intelligent Brake Assist (IBA) with Forward Collision Control (FCW)	P
Lane Departure Warning (LDW) and Prevention (LDP) systems	P
Blind Spot Warning (BSW)	P
Blind Spot Intervention™ (BSI)	P
Vehicle Dynamic Control (VDC) with Traction Control System (TCS)	S
Approaching Vehicle Sound for Pedestrian (AVSP)	S

SECURITY FEATURES	
Remote Keyless Entry system	S
Vehicle Security System	
Infiniti Vehicle Immobilizer System	

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PACKAGES AND OPTIONS	
Premium Package: Infiniti Hard Drive Navigation System, Voice Recognition for audio, navigation and vehicle information systems, 8-inch WVGA color touch-screen display, XM NavTraffic® with Real-Time Traffic Information, XM NavWeather™ with Real-Time Weather and 3-day forecast, Zagat Survey® Restaurant Guide; Bose® 2-channel 10-speaker Premium Audio system; 9.3GB Music Box® hard drive; Streaming audio via Bluetooth® wireless technology; climate-controlled front seats; heated steering wheel	O
Deluxe Touring Package: Bose® Studio Surround® sound system with digital 5.1-channel decoding, 16 speakers; power rear sunshade; Forest Air® system with Advanced Auto Recirculation, Breeze Mode, Plasmacluster™ air purifier and Grape Polyphenol Filter; semi-aniline leather-appointed seating; unique quilted seat pattern with additional seat bolstering; genuine White Ash silver-powdered wood trim; suede-like headliner; premium soft-touch material for armrests, door inserts, center console and knee pads; premium stitched meter hood	O (requires Premium Package)
Technology Package: Intelligent Cruise Control (Full-Speed Range); Lane Departure Warning (LDW) and Lane Departure Prevention (LDP); Distance Control Assist (DCA); Intelligent Brake Assist (IBA) with Forward Collision Warning (FCW); Blind Spot Warning (BSW) and Blind Spot Intervention™ (BSI) systems; Front Pre-Crash Seat Belts; Active Trace Control; Eco Pedal; Adaptive Front lighting System (AFS) with auto-leveling headlights	O (requires Deluxe Touring Package)
18-inch Wheel Package: 18-inch tri-split 5-spoke aluminum-alloy wheels with P245/R18 V-rated all-season tires	O (Requires Deluxe Touring Package)

O – Optional

S – Standard

P – Included in Package