

2018 INFINITI Q70L

Technical Specifications, Features and Options

Assembly Plant Location: Tochigi, Japan

Note: 2018 Q70 and Q70 Hybrid specifications available at infinitinews.com

| ENGINE | Q70L 3.7 LUXE | Q70L 5.6 LUXE |
|-------------------------------|---|---|
| Type | VQ37VHR DOHC 24-valve with Variable Valve Event and Lift | VK56VD DOHC 32-valve with Variable Valve Event and Lift |
| Orientation | Longitudinal | |
| Cylinders / configuration | V6 with molybdenum coated pistons | V8 with molybdenum coated pistons |
| Block / head composition | Aluminum-alloy | Aluminum-alloy |
| Displacement | 3.7 liters | 5.6 liters |
| Horsepower | 330 hp @ 7,000 rpm | 416 hp @ 6,000 rpm |
| Torque | 270 lb-ft @ 5,200 rpm | 414 lb-ft @ 4,400 rpm |
| Bore x stroke (mm) | 95.5 x 86.0 | 98.0 x 92 |
| Compression ratio (:1) | 11.0 | 11.5 |
| Induction system | Naturally aspirated | Naturally aspirated |
| Fuel delivery system | Sequential multi-port fuel injection | Direct Injection Gasoline™ |
| Valvetrain | 4 valves per cylinder | 4 valves per cylinder |
| Engine oil cooler | O | - |
| Engine Mounts (Type) | Side: 2 (liquid-filled) Rear (RWD models): 1 (liquid-filled) Rear (AWD models): 1 (solid) | |
| Recommended fuel | Premium (required) | Premium (required) |
| Emissions system | Closed loop feedback system with 2 catalysts | Closed loop feedback system with 3-way catalyst |
| Exhaust | Dual exhaust with polished tips | |
| Maximum engine speed | 7,500 rpm | 6,700 rpm |
| Emissions certification level | TBD | TBD |

| ELECTRICAL | Q70L 3.7 LUXE | Q70L 5.6 LUXE |
|----------------------------|---------------|---------------|
| Electronic ignition system | S | |
| Starter rating | 1.6 kW | 2.0 kW |
| Alternator | 12V - 150 Amp | |

| DRIVETRAIN | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|---|---------------|-----|---------------|-----|
| | RWD | AWD | RWD | AWD |
| Drive configuration | | | | |
| Rear-wheel Drive | S | - | S | - |
| Intelligent All-Wheel Drive | - | S | - | S |
| 7-speed electronically controlled automatic transmission with Adaptive Shift Control, and manual shift mode with Downshift Rev Matching | S | | | |

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| Gear ratios (:1) | Q70L 3.7 LUXE | Q70L 5.6 LUXE |
|------------------------|---------------|---------------|
| 1 st | 4.783 | 4.783 |
| 2 nd | 3.103 | 3.103 |
| 3 rd | 1.984 | 1.984 |
| 4 th | 1.371 | 1.371 |
| 5 th | 1.000 | 1.000 |
| 6 th | 0.871 | 0.871 |
| 7 th | 0.776 | 0.776 |
| Reverse | 3.859 | 3.859 |
| Final drive ratio (:1) | 3.357 | 2.611 |

| BODY, SUSPENSION AND STEERING | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|------------------------------------|--|------|---------------|------|
| | RWD | AWD | RWD | AWD |
| 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 | | | |
| Steering ratio (:1) | 16.9 | 16.6 | 16.9 | 16.6 |
| Turning diameter (curb-to-curb) ft | 36.7 | 37.4 | 36.7 | 37.4 |
| Turns (lock-to-lock) | 3.09 | 2.94 | 3.09 | 2.94 |
| Steering type | Electronically-controlled vehicle-speed-sensing variable-assist power rack-and-pinion | | | |
| Steering wheel type | 4-spoke leather-appointed (optional high-quality leather-wrapped) | | | |
| Tilt | Power with memory | | | |
| Telescopic | Power with memory | | | |
| Controls | Audio, cruise control, Bluetooth® | | | |
| Heated | Standard on Q70L 5.6 LUXE, optional on Q70L 3.7 LUXE | | | |

| BRAKES | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|---|---------------|-----|---------------|-----|
| | RWD | AWD | RWD | AWD |
| Front: 12.6-inch x 1.1-inch power-assisted vented disc | | | | |
| Rear: 12.1-inch x 0.6-inch power-assisted vented disc | | | | |
| Sport Brakes: 14.0 x 1.3-inch 4-piston front, 13.8 x 0.8-inch 2-piston rear | O | | | |
| 4-channel/4-sensor/4-wheel Anti-lock Braking System | S | | | |
| Brake Assist, Electronic Brake Force Distribution | S | | | |

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| WHEELS AND TIRES | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|---|---------------|-----|---------------|-----|
| | RWD | AWD | RWD | AWD |
| Wheels | | | | |
| 18 x 8.0-inch, double 5-spoke aluminum-alloy wheels | | | S | |
| 20 x 9.0-inch, split 5-spoke aluminum-alloy wheels | | | O | |
| Unique design and color 20 x 9.0-inch aluminum-alloy wheels | | | O | |
| Tires | | | | |
| 245/50R18 V-rated all-season performance tires | | | S | |
| 245/40R20 W-rated all-season performance tires | | | O | |
| Temporary spare tire (165/80R17) | | | S | |
| Tire Pressure Monitoring System with individual tire pressure display | | | S | |

| EXTERIOR DIMENSIONS (inches unless noted otherwise) | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|---|---------------|------|---------------|------|
| | RWD | AWD | RWD | AWD |
| Wheelbase | | | 120.1 | |
| Overall length | | | 202.0 | |
| Overall width | | | 72.6 | |
| Overall height | 59.1 | 59.6 | 59.1 | 59.6 |
| Front track width | | | 62.0 | |
| Rear track width | 61.8 | 61.6 | 61.8 | 61.6 |
| Minimum ground clearance | 6.0 | 5.8 | 5.9 | 5.7 |
| Coefficient of Drag | | | 0.27 | |

| EXTERIOR FEATURES AND OPTIONS | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|---|---------------|-----|---------------|-----|
| | RWD | AWD | RWD | AWD |
| Automatic on/off LED headlights with windshield wiper interlock | | | S | |
| Adaptive Front lighting System with auto-leveling headlights | | | O | |
| 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 | |
| Auto-dimming power folding, heated outside mirrors with reverse tilt-down feature | | | S | |
| Rear window defroster with timer | | | S | |
| Rear center high-mounted stop lamp | | | S | |
| Chrome grille with large INFINITI logo emblem | | | S | |
| Unique sport front fascia | | | O | |
| Tinted front grille and headlight housings | | | O | |
| Power sliding tinted glass moonroof with one-touch auto-open/close, tilt feature and sliding sunshade | | | S | |

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| | |
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| Rain-sensing variable intermittent front windshield wipers | S |
| Auto-trunk cincher | S |
| Power rear door closure assist (auto-cincher) | S |
| Darkened lower bumper, dark chrome exterior trim | O |
| Rear decklid spoiler | O |

| 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 | 41.8 |

| INSTRUMENTATION | |
|---|--|
| Fine Vision electroluminescent speedometer, tachometer, coolant temperature and fuel gauges | |
| Outside temperature display | |
| Center display with odometer with dual trip meters, gear select identification (both automatic and manual shift mode) | |

| INTERIOR FEATURES AND OPTIONS | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|--|----------------------|------------|----------------------|------------|
| | RWD | AWD | RWD | AWD |
| Leatherette seating surfaces | S | | | - |
| Leather-appointed seating surfaces | O | | | S |
| Perforated semi-aniline leather seating | O | | | O |
| 10-way power driver's and front passenger's seats including 2-way power lumbar support | | | S | |
| Heated front and rear seats | | | S | |
| Climate-controlled front seats (heated and cooled) | O | | | 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 illuminated 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 | O | | | S |
| Front door map pockets | | | S | |
| Suede-like headliner, premium soft-touch material for armrests, door inserts, center console and kneepads; premium stitched meter hood | | | O | |
| Ceiling-mounted assist grips | | | S | |

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| | |
|--|---|
| 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® Universal Transceiver | S |
| Power rear sunshade | O |
| Genuine Japanese Ash wood accents on doors, instrument panel and center console | S |
| White Ash silver-powdered wood trim | O |
| Aluminum interior trim | O |
| INFINITI analog clock | S |
| Dual front and rear cup holders | S |
| Rear armrest with cup holders and storage | S |

| AUDIO SYSTEM | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|---|---------------|-----|---------------|-----|
| | RWD | AWD | RWD | AWD |
| 6-speaker audio system with AM/FM/CD with MP3/WMA playback capability, Radio Data System, speed-sensitive volume control | S | | - | |
| Bose® 2-channel, 10-speaker (including subwoofer) Premium Audio system | O | | S | |
| Bose® Studio Surround® sound system with digital 5.1 channel decoding, 16 speakers and Bose® Centerpoint® 2 signal processing | | | O | |
| Single in-dash CD player | | | S | |
| USB Connection Port for iPod® interface and other compatible devices | | | S | |
| Streaming Audio via Bluetooth® | | | S | |
| SiriusXM® Satellite Radio (SiriusXM® subscription required, sold separately) | | | S | |
| Rear window diversity antenna | | | S | |

| COMFORT AND CONVENIENCE FEATURES | |
|--|---|
| Active Noise Control | S |
| Cruise control with steering wheel-mounted switches | S |
| Intelligent Cruise Control (Full-Speed Range) | O |
| Distance Control Assist | O |
| Active Trace Control | O |
| Eco Pedal | O |
| Forward Emergency Braking | O |
| Back-up Collision Intervention | O |
| Predictive Forward Collision Warning | O |
| Bluetooth® Hands-free Phone System | S |
| Dual Zone Automatic Temperature Control system with mild flow vent located on upper dash | S |
| RearView Monitor | S |
| 8.0-inch color vehicle information display | S |

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| | | |
|---|---|---|
| One-touch auto-up/down front windows with anti-pinch 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 | |
| Center console with dual-adjustable armrests, dual level storage and 12-volt power outlet | S | |
| Power tilt/telescopic steering column w/ memory | S | |
| Locking glove compartment with light | S | |
| Dual front illuminated visor vanity mirrors | S | |
| Dual overhead map lights (front and rear) | S | |
| 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 InTouch™ Navigation with 8-inch color touch-screen display, lane guidance and 3-D building graphics | O | S |
| INFINITI Voice Recognition for audio, navigation, and vehicle information systems | O | S |
| INFINITI InTouch™ Services with six months of safety, security and convenience services | O | S |

| CAPACITIES | Q70L 3.7 LUXE | Q70L 5.6 LUXE |
|--|----------------------|----------------------|
| Seating capacity | 5 | |
| Fuel tank (gals.) | 20.0 | |
| Passenger compartment volume (cubic feet) | 110.6 | |
| Cargo volume (cubic feet, w/temp spare tire) | 14.9 | |
| Engine oil (qts.) | 5.2 | 6.3 |
| Engine coolant (qts.) | 8.9 | 11.5 |

| CURB WEIGHTS | | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|-------------------------------|-------|----------------------|------------|----------------------|------------|
| | | RWD | AWD | RWD | AWD |
| Curb weight (lbs.) | Front | 2,141 | 2,310 | 2,299 | 2,469 |
| | Rear | 1,823 | 1,846 | 1,837 | 1,859 |
| | Total | 3,964 | 4,156 | 4,136 | 4,328 |
| Weight distribution (% fr/rr) | | 54/46 | 56/44 | 56/44 | 57/43 |
| GVWR (lbs.) | | 4,993 | 5,192 | 5,214 | 5,423 |

| EPA MILEAGE ESTIMATES <i>(Actual mileage may vary)</i> | Q70L 3.7 LUXE | | Q70L 5.6 LUXE | |
|--|----------------------|------------|----------------------|------------|
| | RWD | AWD | RWD | AWD |
| City | 18 | 18 | 16 | 16 |
| Highway | 25 | 24 | 24 | 23 |
| Combined | 21 | 20 | 19 | 18 |
| EPA Classification | Mid-size | | | |

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| PASSENGER RESTRAINT SYSTEMS | |
|---|---|
| INFINITI Advanced Air Bag System with dual-stage supplemental front air bags with seat belt and occupant classification sensors | 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 | O |
| 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 with individual tire pressure display | |
| Lane Departure Warning and Prevention systems | O |
| Blind Spot Warning | O |
| Blind Spot Intervention® | O |
| Intelligent Brake Assist with Forward Collision Control | O |
| Vehicle Dynamic Control with Traction Control System | S |

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| SECURITY FEATURES | |
|-------------------------------------|---|
| Remote Keyless Entry system | S |
| Vehicle Security System | |
| INFINITI Vehicle Immobilizer System | |

| PACKAGES AND OPTIONS | Q70L 3.7 LUXE | Q70L 5.6 LUXE |
|---|----------------------------|---|
| Essential Package: INFINITI InTouch™ Navigation with 8-inch color touch-screen display, lane guidance and 3-D building graphics; INFINITI InTouch™ Services with six months of safety, security and convenience services; Voice recognition for navigation functions, including one-shot voice destination entry; Bose® 2-channel 10-speaker Premium Audio system; single in-dash CD; leather-appointed seating; climate-controlled front seats; heated steering wheel; front and rear sonar system; Around View® Monitor with Moving Object Detection | O | S |
| Sensory Package: Bose® Studio Surround® sound system with digital 5.1-channel decoding, 16 speakers; power rear sunshade; semi-aniline leather-appointed seating; unique quilted seat pattern with additional seat bolstering; 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 (Req. Essential Package) | O (Req. Sensory and Perf. Tire & Wheel Pkgs.) |
| ProACTIVE Package: Intelligent Cruise Control (Full-Speed Range); Lane Departure Warning and Lane Departure Prevention; Distance Control Assist; Blind Spot Warning and Blind Spot Intervention™ systems; Front Pre-Crash Seat Belts; Active Trace Control; Eco Pedal; Adaptive Front lighting System with auto-leveling headlights; Forward Emergency Braking; Back-up Collision Intervention; Predictive Forward Collision Warning | O (Req. Essential Pkg.) | O (Req. Sensory and Perf. Tire & Wheel Pkgs.) |
| Performance Tire & Wheel Package: 20x9-inch split 5-spoke aluminum-alloy wheels; 245/40R20 all-season performance tires; Sport Brakes with aluminum 4-piston opposed front calipers/2-piston opposed rear calipers | O (Req. Essential Pkg.) | O (Req. Sensory and ProACTIVE Pkgs.) |
| Premium Select Edition: Dark chrome exterior trim, darkened lower rear bumper, rear decklid spoiler, unique design and color 20x9-inch aluminum-alloy wheels with 245/40R20 all-season performance tires, Sport Brakes with aluminum 4-piston opposed front and 2-piston opposed rear calipers, suede-like | O (Req. Essential Pkg.) | N/A |

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| | | |
|--|---|---|
| headliner, aluminum interior trim, unique color semi-aniline leather seating, floor mats with contrast piping, illuminated kick plates | | |
| Premium Paint: Majestic White exterior color with Pearl finish | O | O |

8/17

- O** – Optional
- S** – Standard