

**Legend**

- Standard
- Optional
- ⊘ Not available

**Mechanical**

Nissan GT-R

Nissan GT-R  
Premium**Engine**

VR38DETT – 3.8-liter twin-turbocharged 24-valve V6; each engine handcrafted by its own master technician in a clean-room environment



Horsepower – 480 hp @ 6,400 rpm



Torque – 430 lb-ft @ 3,200–5,200 rpm



Cylinder bore x stroke – 95.5 x 88.4 mm



Top speed – 193 mph



Emissions – 50 State LEV2/ULEV



Dual overhead camshafts with variable intake-valve timing



Aluminum cylinder block with super-low-friction/high-endurance plasma-sprayed bores



Aluminum pistons, precision-matched to cylinder bores



Nissan Direct Ignition system with iridium-tipped spark plugs



Electronic drive-by-wire throttle



Pressurized lubrication system with thermostatically controlled cooling and magnesium oil sump



Fully symmetrical dual intake and low-backpressure exhaust systems



Secondary air intake system to rapidly heat catalysts to peak cleaning efficiency

**Drivetrain**

ATTESA ET-S All-Wheel Drive (AWD) with patented independent rear-mounted transaxle integrating transmission, differential and AWD transfer case



Torque distribution – Traction/yaw-based; up to 100% rear; up to 50% front



Rigid, lightweight carbon-composite driveshaft between engine and transaxle



Electronic Traction Control



High-performance 1.5-way mechanically locking rear differential



Advanced Vehicle Dynamic Control (VDC-R[1]) with three driver-selectable settings:



Normal – for daily driving; controls brakes and engine output

R-Mode – for ultimate performance; raises the threshold at which the system intervenes

Off – for when driver does not want the help of the system

Hill Start Assist prevents rollback when starting on an incline



[1] **Disclaimer:** VDC-R cannot prevent accidents due to abrupt steering, carelessness or dangerous driving techniques. Always drive safely.

## Transmission

All-new 6-speed Dual Clutch Transmission with three driver-selectable modes; each transmission handcrafted in a clean-room environment	●	●
Normal – for maximum smoothness and efficiency, with gearshifts in less than 0.5 second		
R-mode – for maximum performance with fastest shift speeds (0.2 second)		
Snow – for gentler starting and shifting		
Fully automatic shifting or full sequential manual control via steering column-mounted paddle shifters	●	●
Downshift Rev Matching	●	●
Predictive pre-shift control (in R-mode) preselects the next gear change based on throttle position, vehicle speed, braking input and other information	●	●
Gear ratios (:1)		
1st	4.056	4.056
2nd	2.301	2.301
3rd	1.595	1.595
4th	1.248	1.248
5th	1.001	1.001
6th	0.796	0.796
reverse	3.383	3.383
final drive ratio (:1)	3.700	3.700

## Brakes

Brembo® 4-wheel disc brakes – 15" front and rear	●	●
Front and rear two-piece floating rotors with diamond-pattern internal ventilation	●	●
Super-rigid 6-piston front/4-piston rear monobloc calipers with racecar-inspired 3-point radial mounting	●	●

## Suspension and Steering

Front suspension – Double-wishbone with aluminum upper arms	●	●
Rear suspension – Multi-link with aluminum upper links	●	●
Rigid, tubular front and rear suspension subframes, assembled in high-precision jigs similar to a racecar	●	●
Bilstein® DampTronic system with three driver-selectable modes:	●	●
Normal/Sport – for automatic electronic control of damping		
R-mode – engages maximum damping rate for high-performance cornering		
Comfort – for minimizing ride harshness on rough roads		
Hollow front and rear stabilizer bars with tubular torsion-free design, to help maintain maximum tire contact at all four wheels during extreme cornering	●	●
Electronically controlled rack-and-pinion steering with vehicle-speed-sensitive power assist	●	●
2.6 steering-wheel turns lock-to-lock	●	●

## Wheels and Tires

Super-lightweight forged-aluminum wheels with knurled bead area, designed to maximize tire adhesion to wheel under extreme acceleration  
 Front wheels – 20 x 9.5"  
 Rear wheels – 20 x 10.5"



High-luster Smoke Gray finish – included with standard tires



Silver finish – included with optional all-season tires



Exclusively developed tires, nitrogen-filled at factory



Bridgestone® RE070R high-performance run-flat summer tires  
 Front tires – 255/40ZRF20 97Y  
 Rear tires – 285/35ZRF20 100Y



Dunlop® SP Sport 600 DSST high-performance run-flat summer tires  
 Front tires – 255/40ZRF20 97Y  
 Rear tires – 285/35ZRF20 100Y



Dunlop® SP Sport 7010 A/S DSST high-performance run-flat all-season tires  
 Front tires – 255/40RF20 97W  
 Rear tires – 285/35RF20 100W



Tire Pressure Monitoring System (TPMS)



## Body Construction

All-new Premium Midship platform with hybrid construction, assembled using high-precision, ultra-low-tolerance jigs similar to racecar construction



Aluminum hood, trunk lid and outer door skins



Die-cast aluminum front shock towers and door structures



All outer body panels stamped using multiple-strike coining process, for exceptional rigidity and precision



Carbon-composite front crossmember/radiator support

Advanced 6-stage paint process with full double clearcoat and chip-resistant paint in critical areas



Super Silver special metallic paint, with 8-stage process, including three clearcoats and hand-polishing to achieve a lustrous, liquid effect



## Aerodynamics

Coefficient of drag – 0.27



Negative lift (downforce) generated at speed at all four wheels



Underbody covering:

Impact-resistant polypropylene front undercover

Heat-resistant Sheet Molding Compound undercover behind front axle

Rigid, heat-resistant Carbon-Sheet Molding Compound undercover ahead of rear-mounted transaxle

Honeycomb aluminum substructure with carbon-composite rear diffuser



Body-color rear spoiler with integrated center high-mounted stop light



Front fenders designed to optimize air management around the wheels and to help keep the side windows clearer at driving speed



Optimized airflow through the undercarriage and wheel arches to help cool the engine, drivetrain and brakes



**Styling/Functionality**

Super-wide-illumination headlights with High-Intensity Discharge (HID) low beams	●	●
LED taillights and brake lights	●	●
Dual heated body-color power outside mirrors, with power fold-in	●	●
Flush-mounted aluminum door handles	●	●
Four 5" exhaust outlets with polished tips	●	●
UV-reducing solar glass (windshield and front doors)	●	●

**Interior**

Nissan GT-R

Nissan GT-R  
Premium**Audio/Navigation/Multi-Function Display**

AM/FM/CD audio system with 6 speakers	●	⊘
Digital Bose® audio system with 11 speakers, including dual subwoofers in a die-cast aluminum enclosure	⊘	●
HDD Music Box system, including 30-GB hard drive with 9.3 GB for audio storage.	●	●
AM/FM/CD player, MP3/WMA capable	●	●
In-dash Compact Flash card reader	●	●
XM® Satellite Radio[2] – includes activation and 3 months of service	●	●
Steering wheel-mounted audio controls	●	●
Speed-sensitive volume	●	●
Diversity antenna	●	●
HDD-based GPS Nissan Navigation System[3] with 30-GB hard drive and voice recognition	●	●
7-inch color-LCD touch-screen Multi-Function Display system	●	●
Driver-configurable Multi-function meter, developed in collaboration with Sony® Polyphony Digital and Xanavi Infomatics Corp., with graphical readouts of vehicle data and driving data displayed on a total of 11 screens:	●	●
Two reconfigurable screens featuring driver-selectable choice of up to three readouts: engine coolant temperature, oil temperature and oil pressure; transmission oil temperature and oil pressure; turbo boost; fuel/range; injector usage; recent fuel economy; and lateral, longitudinal and total G-force	●	●
Two reconfigurable screens featuring driver-selectable choice of up to six readouts: all of the above plus front/rear torque distribution; driver's accelerator, brake pedal and steering inputs; and clock	●	●
Acceleration screen: Acceleration G-force, turbo boost and driver's accelerator input	●	●
Braking screen: Braking G-force, digital speedometer and driver's brake pedal input	●	●
Steering screen: Lateral (cornering) G-force, digital speedometer and driver's steering input	●	●
Gear position screen: Gear efficiency, digital speedometer and gear selection	●	●
Fuel economy screen: Recent fuel efficiency displayed as graph and digital average, and instantaneous fuel economy	●	●
Lap time recorder screen: Lap timers and digital speedometer	●	●
Driver's notes screen: Waypoints, fuel range (distance to empty), elapsed trip mileage	●	●
Monitor also provides displays and interface for programmable vehicle settings, vehicle information, and audio and navigation systems	●	●
XM NavTraffic®[2] – includes activation and 3 months of service	●	●

[2] **Disclaimer:** Required XM radio and XM NavTraffic monthly subscriptions sold separately after trial period. Installation costs and other fees and taxes may apply, including a one-time activation fee. XM NavTraffic only available in select markets. Subscription fee is consumer only. All fees and programming subject to change. Subscriptions subject to Customer Agreement available at [xmradio.com](http://xmradio.com). XM service only available in the 48 contiguous United States and Canada. The XM name and XM NavTraffic are registered trademarks of XM Satellite Radio Inc. © 2007 XM Satellite Radio Inc. All rights reserved. All other trademarks are the property of their respective owners.

[3] **Disclaimer:** Never program while driving. GPS mapping may not be detailed in all areas or reflect current road regulations.

## Convenience

Intelligent Key with Push Button Ignition	●	●
Electronic analog instrument cluster with multi-function trip computer and digital gear indicator.	●	●
Bluetooth® Hands-free Phone System	●	●
HomeLink® Universal Transceiver	●	●
Air conditioning	●	●
Dual Zone Automatic Temperature Control (ATC)	●	●
In-cabin microfilter	●	●
Power front windows with one-touch auto-up/down	●	●
Power door locks	●	●
Remote keyless entry with trunk release	●	●
Cruise control with steering wheel-mounted controls	●	●
Tilt and telescoping steering column	●	●
Variable-intermittent flat-blade windshield wipers	●	●
Dual illuminated visor vanity mirrors	●	●
Auto-dimming inside rearview mirror	●	●
12-volt DC power outlets (2)	●	●
Retained accessory power	●	●
Front center console with armrest, storage and dual cupholders	●	●
Rear center console with cupholder	●	●
Map lights	●	●

## Seating and Appointments

Leather upholstered front seats with perforated synthetic suede inserts	●	●
Power front seats with entry/exit switch for rear passenger	●	●
Heated front seats	⊘	●
Dual individual rear seats	●	●
Leather-wrapped steering wheel and gearshift knob	●	●
Aluminum-trimmed pedals	●	●
French-stitched leather-trimmed dashboard, console and doors	●	●
Brushed metal interior trim	●	●

Safety	Nissan GT-R	Nissan GT-R Premium
Nissan Advanced Air Bag System[4] (AABS) with dual-stage supplemental front air bags, seat belt sensors and occupant-classification sensor	●	●
Driver and front-passenger side-impact supplemental air bags and roof-mounted curtain side-impact supplemental air bags[4]	⊘	●
Front seat belts with pretensioners and load limiters	●	●
3-point ALR/ELR passenger seat belt system (ELR for driver)	●	●
LATCH System (Lower Anchors and Tethers for CHildren)	●	●
Zone Body construction with front and rear crumple zones	●	●
Advanced Vehicle Dynamic Control (VDC-R)[5]	●	●
4-wheel Anti-lock Braking System (ABS)	●	●
Electronic Brake force Distribution (EBD)	●	●
Tire Pressure Monitoring System (TPMS)	●	●
Nissan Vehicle Immobilizer System	●	●
Vehicle Security System	●	●

[4] **Disclaimer:** Air bags are only a supplemental restraint system; always wear your seat belt. Do not use rear-facing child restraints in the front-passenger's seat. Also, all children 12 and under should ride in the rear seat properly secured in child restraints, booster seats, or seat belts according to their size. Air bags will only inflate in certain accidents. See your owner's manual for more details.

[5] **Disclaimer:** VDC-R cannot prevent accidents due to abrupt steering, carelessness or dangerous driving techniques. Always drive safely.

Options	Nissan GT-R	Nissan GT-R Premium
Cold Weather Package: All-season Dunlop® run-flat tires with Bright Silver wheels, 50:50 coolant mix	◐	◐
Super Silver hand-polished paint with three clearcoats	◐	◐

Capacities and Dimensions	Nissan GT-R	Nissan GT-R Premium
<b>Capacities</b>		
Cargo volume (cu ft)	8.8	8.8
Fuel tank (unleaded premium gasoline recommended; gals)	19.5	19.5
<b>Exterior Dimensions</b>		
Wheelbase (in/mm)	109.5/2,780	109.5/2,780
Overall length (in/mm)	183.3/4,655	183.3/4,655
Overall width (in/mm)	74.6/1,895	74.6/1,895
Overall height (in/mm)	53.9/1,370	53.9/1,370
Track width (front; in/mm)	62.6/1,590	62.6/1,590
Track width (rear; in/mm)	63.0/1,600	63.0/1,600

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