

Legend

- Standard
- Optional
- ⊘ Not available

Mechanical

Nissan GT-R

Nissan GT-R
Premium
Edition

Nissan GT-R
Black
Edition

Engine

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

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Horsepower – 480 PS @ 6,400 rpm

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Torque – 588 Nm (430 lb-ft) @ 3,200–5,200 rpm

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Cylinder bore x stroke – 95.5 x 88.4 mm

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Top speed – 193 mph (310 km/h)

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Dual overhead camshafts with variable intake-valve timing

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●

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

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Aluminium pistons, size-matched to cylinder bores

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●

Nissan Direct Ignition system with iridium-tipped spark plugs

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●

Electronic drive-by-wire throttle

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●

Pressurised lubrication system with thermostatically controlled cooling
and magnesium oil sump

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●

Fully symmetrical dual intake and low-backpressure exhaust systems

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●

●

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

●

●

●

Drivetrain

ATTESA ET-S Four-Wheel Drive (4WD) with patented independent
rear-mounted transaxle integrating transmission, differential and
4WD 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 Electronic Stability Control (ESP) with three
driver-selectable settings:

●

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●

Normal – for daily driving; controls braking and engine torque output

R-Mode – for ultimate performance; utilises 4WD torque distribution
for additional vehicle stability

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

Hill Start Assist prevents rollback when starting on an incline

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●

* **Disclaimer:** ESP cannot prevent accidents due to abrupt steering, carelessness
or dangerous driving techniques. Always drive safely.

Transmission

All-new GR6 6-speed Dual Clutch Transmission with three driver-selectable
modes; each transmission handcrafted in a clean-room environment

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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 more secure starting and shifting on slippery surfaces

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	4.056
2nd	2.301	2.301	2.301
3rd	1.595	1.595	1.595
4th	1.248	1.248	1.248
5th	1.001	1.001	1.001
6th	0.796	0.796	0.796
reverse	3.383	3.383	3.383
final drive ratio (:1)	3.700	3.700	3.700

Brakes

Brembo® 4-wheel disc brakes – 15" (380 mm) front and rear	●	●	●
Two-piece floating-rotor front and rear discs with diamond-pattern internal ventilation	●	●	●
Super-rigid 6-piston front/4-piston rear monoblock calipers with racecar-inspired 3-point mounting	●	●	●
4-wheel Anti-lock Braking System (ABS)	●	●	●
Electronic Brakeforce Distribution (EBD)	●	●	●

Suspension and Steering

Front suspension – Double-wishbone with aluminum links	●	●	●
Rear suspension – multi-link with aluminum links	●	●	●
Rigid aluminum front and rear suspension subframes, assembled in high-precision jigs similar to a racecar, with 4-point mounting to body	●	●	●
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 maximum ride comfort	●	●	●
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	●	●	●

Exterior

Nissan GT-R	Nissan GT-R Premium Edition	Nissan GT-R Black Edition
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Wheels and Tyres

Super-lightweight forged-aluminium wheels with ridged bead area, designed to maximize tyre adhesion to wheel under extreme acceleration Front wheels – 20 x 9.5" Rear wheels – 20 x 10.5"	●	●	●
Smoke Grey finish	⊘	⊘	●
Bright Silver finish	●	●	⊘
Exclusively developed tyres, nitrogen-filled at factory	●	●	●
Bridgestone® RE070R high-performance run-flat tyres Front tyres – 255/40ZRF20 97Y Rear tyres – 285/35ZRF20 100Y	●	●	●
Tyre Pressure Monitoring System (TPMS)	●	●	●

Body Construction			
All-new Premium Midship platform with hybrid unibody, assembled using high-precision, ultra-low-tolerance jigs	●	●	●
Aluminium hood, trunk lid and outer door skins	●	●	●
Die-cast aluminium 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	●	●	●
Ultimate Silver special metallic paint, with 8-stage process, including three clearcoats and hand-polishing to achieve a lustrous, liquid effect	⊖ (no charge)	⊖ (no charge)	⊖ (no charge)

Aerodynamics			
Coefficient of drag – 0.27	●	●	●
Negative lift (downforce) generated at speed	●	●	●
Underbody covering: Impact-resistant polypropylene front undercover Heat-resistant Sheet Molded Compound undercover behind front axle Rigid, heat-resistant Carbon-Sheet Molded Compound undercover ahead of rear-mounted transaxle Carbon-composite diffuser tray at rear of car	●	●	●
Body-colour rear spoiler with integrated center high-mounted stop light	●	●	●
Aero Blade front wings, designed for optimised air management around the wheels and to help keep the side windows clearer at driving speed	●	●	●
Optimised airflow through the undercarriage and wheel arches to help cool the engine, drivetrain and brakes	●	●	●

Styling/Functionality			
Automatic on/off headlights	⊖	●	●
Wide-beam headlights with High Intensity Discharge (HID) low beams	●	●	●
LED taillights and brake lights	●	●	●
Dual heated body-colour power outside mirrors	●	●	●
Flush-mounted aluminium door handles	●	●	●
Quad exhaust exit pipes with chrome-tip finishers	●	●	●
UV-reducing solar glass (windshield and front doors)	●	●	●

Interior	Nissan GT-R	Nissan GT-R Premium Edition	Nissan GT-R Black Edition
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Audio/Performance Monitor			
AM/FM/CD audio system with 6 speakers	●	⊖	⊖
Digital Bose® audio system with 11 speakers, including dual subwoofers in a die-cast aluminium enclosure	⊖	●	●
HDD Music Box system, including 30-GB hard drive with 9.4 GB for audio storage	●	●	●
AM/FM/CD player, MP3/WMA capable	●	●	●
Steering wheel-mounted audio controls	●	●	●

Speed-sensitive volume	●	●	●
178-mm WVGA high-resolution colour-LCD touch-screen display for audio, navigation and performance monitor	●	●	●
Driver-configurable performance monitor, 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 pressure; recent fuel economy, and lateral, longitudinal and total G-force	●	●	●
Two more 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 angle 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 angle 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: Notes, 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	●	●	●

Convenience

Intelligent Key with Push Button Ignition	●	●	●
Electronic analog instrument cluster with multi-function trip computer and digital gear indicator.	●	●	●
Air conditioning	●	●	●
Dual Zone Automatic Temperature Control (ATC)	●	●	●
In-cabin microfilter	●	●	●
Power front windows with one-touch driver-side 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 (x2)	●	●	●
Front center console with armrest, storage and dual cupholders	●	●	●
Rear center console with cupholder	●	●	●
Map reading lamps	●	●	●

Seating and Trim			
Leather upholstered front seats with perforated Pearlsuede® inserts	●	●	●
8-way power front seats with entry/exit switch for rear-seat passengers	●	●	●
Heated front seats	●	●	●
Dual individual rear seats	●	●	●
Leather-wrapped steering wheel and gearshift knob	●	●	●
Drilled aluminium pedals	●	●	●
Leather-trimmed dashboard, console and doors	●	●	●
Brushed metal interior trim	●	●	●

Safety	Nissan GT-R	Nissan GT-R Premium Edition	Nissan GT-R Black Edition
Nissan Advanced Air Bag System (AABS) with dual-stage front air bags for driver and front passenger	●	●	●
Driver and front-passenger side-impact supplemental air bags and roof-mounted curtain supplemental air bags	●	●	●
Front seat belts with pretensioners and load limiters	●	●	●
3-point ALR/ELR passenger seat belt system (ELR for driver)	●	●	●
Zone Body construction with front and rear crumple zones	●	●	●
Hood buckling creases, steel side-door guard beams, and energy-absorbing steering column	●	●	●
Electronic Stability Program (ESP)	●	●	●
Tire Pressure Monitoring System (TPMS)	●	●	●
Nissan Vehicle Immobilizer System	●	●	●
Thatcham Approved anti-theft system	●	●	●

* **Disclaimer:** Please keep in mind that air bags are a supplemental system and must be used in conjunction with a seat belt. Side airbags and side curtain airbags are designed to inflate in higher severity side collisions and inflate on the side of the vehicle impacted. Please see your owner's manual for more details. Inflated air bags shown for illustration purposes only. Actual air bags deflate after deployment.

Options	Nissan GT-R	Nissan GT-R Premium Edition	Nissan GT-R Black Edition
HDD-based GPS Nissan Navigation System with 30-GB hard drive and voice recognition, plus Bluetooth® Hands-free Phone System (available for delivery from September 2009)	○	○	○

Capacities and Dimensions	Nissan GT-R	Nissan GT-R Premium Edition	Nissan GT-R Black Edition
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Disclaimer: Data shown refers to Japanese market version of GT-R and is subject to change before final confirmation following homologation testing for the European market.

Capacities			
Cargo volume	249 L	249 L	249 L
Fuel tank (unleaded premium gasoline recommended)	71 L	71 L	71 L

Exterior Dimensions

Wheelbase	2,780 mm	2,780 mm	2,780 mm
Overall length	4,655 mm	4,655 mm	4,655 mm
Overall width	1,895 mm	1,895 mm	1,895 mm
Overall height	1,370 mm	1,370 mm	1,370 mm
Track width (front)	1,590 mm	1,590 mm	1,590 mm
Track width (rear)	1,600 mm	1,600 mm	1,600 mm

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