

NISSAN GT-R TECHNICAL SPECIFICATIONS

MODEL		Nissan CBA-R35
ENGINE		
Engine type		VR38DETT
Configuration		V6 incorporating DOHC
Cylinder bore x stroke	mm	95.5 x 88.4
Displacement	cm ³	3799
Compression ratio		9 : 1
Max. power output	kW(PS)/rpm	353 (480) / 6400
Max. torque	Nm/rpm	588 / 3200-5200
Fuel supply		NISSAN EGI (ECCS) Electronic controlled fuel injection system
Recommended fuel		Premium, plus unleaded
Fuel tank capacity	l	71
TRANSMISSION		
Transmission type		GR6 Dual Clutch Transmission
Gear ratio	1st	4.056
	2nd	2.301
	3rd	1.595
	4th	1.248
	5th	1.001
	6th	0.796
	Reverse	3.383
Final drive ratio		3.700
Driven wheels		4WD
DIMENSIONS		
Overall length	mm	4655
Overall width	mm	1895
Overall height	mm	1370
Max interior dimensions (length x width x height)	mm	1750 x 1475 x 1095
Wheelbase	mm	2780
Track Front / Rear	mm	1590/1600
Min. ground clearance	mm	110
WEIGHT/CAPACITY		
Kerb weight	kg	1740
Seating capacity	persons	4 (2+2)
Gross Vehicle Weight	kg	1960
PERFORMANCE		
Acceleration 0-62 mph	seconds	3.5
Maximum speed	mph	195 – provisional
Min. turning circle (kerb to kerb)	m	11.4
Fuel consumption	mpg	23.2 – provisional
Main Emission Control System		Variable valve timing
OTHERS		
Steering		Electronic controlled power-assist rack and pinion
Suspension Front/Rear		Independent double wishbone suspension / Independent multi-link suspension
Braking System Front/Rear		Ventilated brake disc / Ventilated brake disc
Tyre Size Front/Rear		255/40ZRF20 97 / 285/35ZRF20 100Y

All specification details relate to the Japanese domestic version of the Nissan GT-R and may not be consistent with final European figures. Final European GT-R technical specifications will be confirmed closer to start of sales.

NISSAN GT-R EQUIPMENT LIST

	GT-R	GT-R Premium Edition	GT-R Black Edition
ENGINE			
3.8-litre twin-turbocharged V6	•	•	•
Dual overhead camshafts with variable intake-valve timing	•	•	•
Die-cast aluminium cylinder block with high-endurance/low-friction plasma-sprayed bores	•	•	•
Aluminium pistons	•	•	•
Nissan Direct Ignition system with iridium-tipped spark plugs	•	•	•
Electronic drive-by-wire throttle	•	•	•
Pressurised lubrication system with thermostatically controlled cooling and magnesium oil sump pan	•	•	•
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 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 Program (ESP) with three driver-selectable settings	•	•	•
Hill Start Assist – prevents rollback when starting on an incline	•	•	•
TRANSMISSION			
All-new GR6 6-speed Dual Clutch Transmission with three driver-selectable modes	•	•	•
Fully automatic shifting or sequential manual control via steering wheel-mounted paddle shifters	•	•	•
Downshift Rev Matching (DRM)	•	•	•
Predictive pre-shift control (in R-mode) preselects the next gear change based on throttle position, vehicle speed, braking input and other information	•	•	•
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 callipers with racecar-inspired 3-point mounting	•	•	•
4-wheel Anti-lock Braking System (ABS)	•	•	•
Electronic Brake force Distribution (EBD)	•	•	•
Nissan Brake Assist	•	•	•

	GT-R	GT-R Premium Edition	GT-R Black Edition
SUSPENSION AND STEERING			
Front suspension – Double-wishbone with aluminium members	●	●	●
Rear suspension – multi-link with aluminium members	●	●	●
Rigid aluminium front and rear suspension subframes, assembled in high-precision jigs, with 4-point mounting to body	●	●	●
Bilstein® DampTronic system with three driver-selectable modes	●	●	●
Hollow front and rear stabiliser bars with tubular torsion-free design, to help maintain maximum tyre 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 TYRES			
Super-lightweight 20" diameter forged-aluminium wheels with ridged bead area	●	●	●
Gunmetal Grey finish	-	-	●
Bright silver finish	●	●	-
Exclusively developed tyres, nitrogen-filled at factory	●	●	●
Standard tyres – Bridgestone® RE070R high-capacity run-flat	●	●	●
Tyre Pressure Monitoring System (TPMS)	●	●	●
BODY CONSTRUCTION			
All-new Premium Midship platform with hybrid unibody	●	●	●
Aluminium bonnet, 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	●	●	●
AERODYNAMICS			
Coefficient of drag – 0.27	●	●	●
Negative lift (downforce) generated at speed	●	●	●
Full underbody covering	●	●	●
Body-colour rear spoiler with integrated centre high-mounted stop light	●	●	●
Knife-edge 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 headlights	-	●	●
Wide-beam headlights with High Intensity Discharge (HID) xenon 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	●	●	●

	GT-R	GT-R Premium Edition	GT-R Black Edition
AUDIO/NAVIGATION/PERFORMANCE MONITOR			
AM/FM/CD audio system with 6 speakers, Radio Data System (RDS), and MP3/WMA CD playback capability	●	-	-
HDD Music Box system, with 9.4 GB for audio storage	●	●	●
Digital Bose® audio system with AM/FM/CD, 11 speakers (including dual subwoofers), Radio Data System (RDS), and MP3/WMA CD playback capability	-	●	●
Steering wheel-mounted audio controls	●	●	●
HDD-based GPS Nissan Navigation System with 30GB hard drive and voice recognition (available for delivery from September 2009 onwards)	○	○	○
Multi-function meter	●	●	●
Monitor also provides displays and interface for programmable vehicle settings, vehicle information, audio and navigation systems	●	●	●
CONVENIENCE			
Intelligent Key with engine start button	●	●	●
Electronic analogue instrument cluster with multi-function trip computer and digital gear indicator	●	●	●
Bluetooth® Hands-free Phone System (combined with navigation system – available for delivery from September 2009 onwards)	○	○	○
Air conditioning	●	●	●
Dual Zone Automatic Climate Control	●	●	●
Power front windows with one-touch driver-side auto-up/down	●	●	●
Remote windows down	●	●	●
Key-operated windows up/down	●	●	●
Remote keyless entry with boot release	●	●	●
Cruise control with steering wheel-mounted controls	●	●	●
Tilt and telescoping steering column	●	●	●
Variable-intermittent flat-blade windscreen wipers	●	●	●
Dual illuminated visor vanity mirrors	●	●	●
Retained accessory power	●	●	●
Front centre console with armrest, storage and dual cupholders	●	●	●
Rear centre console with dual cupholders	●	●	●
Map reading lamps	●	●	●
SEATING AND TRIM			
Leather front seats with perforated Pearlsuede inserts	●	●	●
8-way power front seats with entry/exit switch for rear passengers	●	●	●
Driver and passenger sports seats	●	●	●
Dual individual rear seats	●	●	●
Leather-wrapped steering wheel and gear knob	●	●	●
Drilled aluminium pedals	●	●	●
Leather-trimmed dashboard, console and door trim	●	●	●
Brushed metal interior trim	●	●	●
SAFETY			
Nissan Advanced Airbag System with dual-stage front driver and passenger airbags	●	●	●

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Driver and front-passenger side-impact airbags and roof-mounted curtain airbags	●	●	●
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	●	●	●
Bonnet buckling creases, pipe-style steel side-door guard beams, and energy-absorbing steering column	●	●	●
ATESSA ET-S Four-Wheel Drive with Electronic Traction Control	●	●	●
Electronic Stability Program (ESP)	●	●	●
Tyre Pressure Monitoring System (TPMS)	●	●	●
Nissan Vehicle Immobiliser System	●	●	●
Thatcham Approved anti-theft system	●	●	●
OPTIONS			
HDD-based GPS Nissan Navigation System with 30GB hard drive and voice recognition (available for delivery from September 2009 onwards)	○	○	○
Bluetooth® Hands-free Phone System (combined with navigation system available for delivery from September 2009 onwards)	○	○	○

● Standard ○ Option - Not available