



2021 Nissan GT-R NISMO Special Edition Specifications

Specifications are based on latest product information available at the time of printing

Mechanical

Engine	
Designation	VR38DETT
Cam configuration	DOHC
Orientation	Longitudinal
Cylinders / configuration	V6
Block / head composition	Aluminum/Aluminum
Displacement (liters)	3.8
Horsepower	600 HP @ 6,800 RPM ¹
Torque lb-ft	481 lb-ft @ 3,600 – 5,600 RPM ¹
Bore & stroke (mm)	95.5 x 88.4 (Plasma sprayed bore)
Compression ratio (:1)	9.0
Maximum engine speed	7,100 RPM
Fuel delivery system	Sequential multi-point electronic fuel injection
Valvetrain	4 valves per cylinder, CVTCS
Turbocharger	High-efficiency, High-capacity NISMO GT3 Twin-Turbo system
Engine mounts	2 liquid-filled, front; 1 solid, rear
Recommended fuel	Premium unleaded, 93 AKI number
Emissions system	3-way catalyst and secondary air injection system
Emission certification level	LEV3/ULEV125 (50 state)
Exhaust	Dual system, 4 outlets (2 each side) Titanium exhaust with burnished tips and Exhaust Sound Control

Electrical	
Ignition system	Electronic, Nissan Direct Ignition System (NDIS)
Starter	12V
Alternator	150 Amp.
Battery	12V – 65B24(S)-HR/52 Ah

Transmission and Drive System	
Drive configuration	Mid-mounted front engine / rear transaxle ATTESA E-TS all-wheel drive
Transmission	Dual clutch sequential 6-speed rear transaxle, paddle shifters
Gear ratio	

1 st	4.056
2 nd	2.301
3 rd	1.595
4 th	1.248
5 th	1.001
6 th	0.796
Reverse	3.383
Final drive ratio	Front: 2.937, Rear: 3.700
Driveshafts	Carbon composite
Manual/Automatic modes	S
Configurable Shift Control	S
Downshift Rev Matching	S
1.5-way mechanical limited slip differential	S
Traction Control System with Limited Slip	S
Vehicle Dynamic Control	S
Save-mode function	S
Hill Start Assist	S
ATTESA E-TS (Yaw Rate Control)	S

Brakes	
Carbon ceramic brake system: Brembo [®] carbon ceramic rotors and calipers	S
Front Type Rotor size diameter and thickness (in.)	Brembo [®] six piston monoblock calipers, full-floating, vented and drilled rotors 16.14 x 1.50
Rear Type Rotor size diameter and thickness (in.)	Brembo [®] four piston monoblock calipers, full-floating, vented and drilled rotors 15.35 x 1.26
Brake control	Active power brake booster (double)
Anti-lock Brake System Number of wheels Number of channels Number of sensors	S 4 4 4
Electronic Brake force Distribution	S
Brake Assist	S
Parking brake	Hand-operated
Brake cooling air guide (front and rear)	S

Steering	
Type	Vehicle speed-sensitive power rack-and-pinion, aluminum steering rack, four-point mounting,
Overall ratio	15:1
Turns (lock-to-lock)	2.4
Turning diameter (ft.)	37.4
Steering wheel	3-spoke Alcantara [®] -wrapped with air bag, manual tilt and telescoping, lap timer switch
NISMO Dark Gray steering wheel with red stripe and Alcantara [®] accents	S
Steering wheel ASCD, audio and Bluetooth [®] switches	S

Suspension	
NISMO-tuned suspension with unique shock absorber settings and spring rates	S
Front	Independent double wishbone aluminum, integral tube-frame structure, six-point mounting
Rear	Independent multi-link aluminum suspension, integral tube-frame structure, six-point mounting, aluminum upper/lower links
Large-diameter (34 mm) hollow front stabilizer bar	S
Large-diameter (17.3 mm) hollow rear stabilizer bar	S
Bilstein® DampTronic mono-tube shock absorbers, computer controlled, 3-position driver adjustable	S
Linear springs (front); Progressive springs (rear)	S
High-accuracy alignment, fully adjustable	S

Body / Chassis	
Type	Unibody
Materials (primary)	Steel, carbon fiber, die-cast aluminum
Additional body bonding	S
Platform	Premium-Midship

Exterior

Wheels & Tires	
Tire Pressure Monitoring System, pressure and position shown on multi-function meter	S
Special Edition exclusive 20-inch RAYS® forged aluminum-alloy wheels with red accents	S

Lights		
Headlights	LED	S
	Integrated LED daytime running lights	S
	Auto on/off	S
Taillights	"GT-R" 4-ring LED	S
	Spoiler-mounted LED center high-mount stop lamp	S

Exterior Features	
NISMO aerodynamic package with unique carbon fiber front and rear bumpers, Black outside mirrors with red stripe, carbon fiber side sill covers	S
Carbon fiber roof, front fenders with air vents and unique clear-coated carbon fiber hood	S
Functional carbon fiber rear underbody diffuser	S
Carbon fiber rear spoiler ²	S
Front spoiler with carbon fiber air duct	S
Carbon fiber trunk lid	S
Front "aero-blade" fenders with vents	S
Aerodynamic front underbody cover	S
Integrated, flush mounted aluminum door handles	S
UV-filtering front and rear side glass, laminated UV-reducing windshield	S
Folding side mirrors, power/power folding, heated	S
Body-color bumpers	S
Aerodynamic flat-blade windshield wipers, variable intermittent, speed-sensitive	S
Anti-chip paint process	S
Unique Takumi Plate	S
Unique Exterior colour – Stealth Grey	S

Interior

Seating	
Capacity	4 passengers
Front Seat Type	Bucket, sport style, with accommodation for 4-point safety harness
NISMO-exclusive Recaro® leather-appointed front seats with red stitching	S
Red seat backs, shift knob, door grip	S
Leather/synthetic suede front seat appointments	S
Heated seats	S
Driver's seat 8-way power	S
Front Passenger's seat 4-way power	S

Audio/Navigation	
Bose® audio system with 11 speakers (9 speakers with 2 subwoofers in rear center armrest area) mounted in aluminum die-cast panels, AM/FM/CD with MP3/WMA playback	S
Bose® Active Noise Cancelation	S
Vehicle speed sensitive auto volume control	S
DVD video playback	S
SiriusXM® Radio (SiriusXM® subscription required, sold separately)	S

NissanConnect® with 8.0-inch color display with multi-touch control, voice recognition for navigation and audio, HD Radio, SiriusXM® Travel Link™ (SiriusXM® subscription required, sold separately)	S
Nissan Navigation System	S
Apple CarPlay® integration	S
NissanConnect Services Powered by SiriusXM® (subscription required, sold separately)	S
Bluetooth® Hands-free Phone System	S
Streaming Audio via Bluetooth®	S
Hands-free Text Messaging Assistant	S
USB iPod® interface	S
Steering-wheel audio controls with illumination	S

Instrumentation	
Meters/gauges Speedometer Tachometer Coolant temperature Fuel level LCD dual trip odometer	S
Red-accented tachometer	S
Multi-Function Display system featuring: Turbo boost Water temp Engine temp and oil pressure Transmission oil temp and pressure Speed, Accel, Braking Accel G/ Braking G/ Cornering G/ Accel braking G/ Total G Fuel level, flow and economy Front to rear drive dist. (torque split) Steering position Brake and accelerator position Clock/stopwatch TPMS information	S

Convenience Features	
RearView Monitor Cruise control (ASCD) Power windows – driver and passenger one-touch up/down Power door locks Intelligent key system Cupholders – 3 12-volt outlets – 2 Sunvisors w/ vanity mirrors and lamps Inside rear view mirror – auto-dimming HomeLink® Universal Transceiver	S

Map light, doorstep lamp Center console storage area Automatic climate control, dual zone 3-position setup switches for suspension, transmission and VDC Carbon fiber interior trim Active Sound Enhancement	
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Safety and Security

Passenger Restraint System	
Nissan Advanced Air Bag System	Driver and front passenger air bags with dual-stage inflation, 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 for front seat occupant head protection	S
Seat belts, front and rear	3-point (ALR/ELR for passengers, ELR for driver)
Front seatbelts w/pre-tensioners and load limiters	S
Power window lockout button	S
Rear seat top tether anchors	S

Impact Safety	
Zone Body Construction with front and rear crumple zones Energy-absorbing steering column Hood buckling creases Knee bolsters High-strength side door guard beams	S

Security	
Tamper proof door lock key cylinder Vehicle Security System Immobilizer	S

Dimensions

Exterior (mm)		
Wheelbase		2,780
Overall length		4,690
Overall width		1,895
Overall height		1,370
Track width	Front/rear	1,600/1,600
Coefficient of drag		0.26

Interior (mm)	Front	Rear
Head room	968 2.0	851 9.0
Leg room	1,13 2.3	670 4.0
Hip room	1,38 8.2	1,14 0.6
Shoulder room	1,37 9.7	1,26 9.0

Weights		
Curb weight (kilograms)	Front	961
	Rear	793
	Total	1,754
Weight distribution (%) Front/rear		54/46
GVWR (kilograms)		2,144

Capacities	
Fuel tank (Litres)	73.8
Engine oil (Litres)	6.2
Engine coolant w/ reservoir (Litres)	11.7

Volume (Litres)	
Passenger compartment	2,237
Cargo	249
Total	2,486

Fuel Economy (L/100 km) <i>(Actual mileage may vary)</i>	
City	14.4
Highway	10.9
Combined	12.8

S- Standard
8/20

1. 93 octane rated gasoline required
2. Dry carbon fiber requires specific maintenance. Please see Owner's Manual for details.