



## 2023 Nissan GT-R NISMO Specifications

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

**S** - Standard **O** - Option

### **Mechanical**

<b>Engine</b>	
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 <sup>1</sup>
Torque lb-ft	481 lb-ft @ 3,600 – 5,600 RPM <sup>1</sup>
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)
Dual exhaust system, 4 outlets (2 each side)	S
Titanium exhaust with burnished tips and Exhaust Sound Control	S

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

<b>Transmission and Drive System</b>	
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)	
1 <sup>st</sup>	4.056
2 <sup>nd</sup>	2.301
3 <sup>rd</sup>	1.595
4 <sup>th</sup>	1.248
5 <sup>th</sup>	1.001
6 <sup>th</sup>	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

<b>Brakes</b>	
Brembo® braking system with carbon-ceramic rotors	S
Front	Brembo® six piston monoblock calipers, full-floating 16.14 x 1.50 inch vented and drilled rotors
Rear	Brembo® four piston monoblock calipers, full-floating 15.35 x 1.26 inch vented and drilled rotors
Brake control	Active power brake booster (double)
Anti-lock Brake System	S
Number of wheels	4
Number of channels	4
Number of sensors	4
Electronic Brake Force Distribution	S
Brake Assist	S
Parking brake	Hand-operated in center console
Brake cooling air guide (front and rear)	S

<b>Steering</b>	
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 (feet)	37.4
Steering wheel	3-spoke Alcantara®-wrapped, manual tilt and telescoping, lap timer switch
NISMO Dark Gray steering wheel with red stripe and Alcantara® accents	S
Steering wheel cruise control, audio and Bluetooth® switches	S

<b>Suspension</b>	
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
Hollow front stabilizer bar	34 mm
Hollow rear stabilizer bar	17.3 mm
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

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

## **Exterior**

<b>Wheels and Tires</b>	
20 x 10.0 inch front / 20 x 10.5 inch rear wheels	S
Lightweight 9-spoke RAYS® aluminum-alloy forged wheels, black finish	S
Dunlop® SP Sport Maxx GT600 ultra-high-performance run-flat tires, NISMO-specific compound	S
Front tires	255/40ZRF20
Rear tires	285/35ZRF20
Tire Pressure Monitoring System, pressure and position shown on multi-function meter	S

<b>Lights</b>		
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

<b>Exterior Features</b>	
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, hood and front fenders with air vents	S
Functional carbon fiber rear underbody diffuser	S
Carbon fiber rear spoiler <sup>2</sup>	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
Dark Gray grille	S
Aerodynamic flat-blade windshield wipers, variable intermittent, speed-sensitive	S
Anti-chip paint process	S

## **Interior**

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

<b>Audio and Navigation</b>	
Bose <sup>®</sup> 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 <sup>®</sup> Active Noise Cancelation	S
Vehicle speed-sensitive auto volume control	S
DVD video playback	S

SiriusXM® Radio (3-month SiriusXM® trial provided; additional subscription sold separately)	S
NissanConnect® with 8-inch color display with multi-touch control, voice recognition for navigation and audio, HD Radio, SiriusXM® Travel Link™ (SiriusXM® 3-month trial provided; additional subscription sold separately)	S
Nissan Navigation System	S
Apple CarPlay® integration	S
NissanConnect Services Powered by SiriusXM® (trial subscription provided; additional subscription 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

<b>Instrumentation</b>	
Meters/gauges	
Speedometer	S
Tachometer	S
Coolant temperature	S
Fuel level	S
LCD dual trip odometer	S
Red-accented tachometer	S
Multi-Function Display system, multiple pages of information with playback feature	S
Turbo boost	S
Water temp	S
Engine temp and oil pressure	S
Transmission oil temp and pressure	S
Speed, Accel, Braking	S
G-force reading	S
Fuel level, flow and economy	S
Front-to-rear torque split	S
Steering position	S
Brake and accelerator position	S
Clock/stopwatch	S
TPMS information	S

<b>Convenience Features</b>	
RearView Monitor	S
Cruise control	S
Power windows – driver and passenger one-touch up/down	S
Power door locks	S

Intelligent Key system	S
Cupholders	3
12-volt outlets	2
Sunvisors with vanity mirrors and lamps	S
Auto-dimming inside rearview mirror	S
HomeLink® Universal Transceiver	S
Map light, doorstep lamp	S
Center console storage area	S
Automatic climate control, dual zone	S
3-position setup switches for suspension, transmission and VDC	S
Carbon fiber interior trim	S
Active Sound Enhancement	S

### **Safety and Security**

<b>Passenger Restraint System</b>	
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 with pre-tensioners and load limiters	S
Power window lockout button	S
Rear seat top tether anchors	S

<b>Impact Safety</b>	
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

<b>Security</b>	
Tamper proof door lock key cylinder Vehicle Security System Immobilizer	S

### **Dimensions**

<b>Exterior (inches)</b>	
Wheelbase	109.4
Overall length	184.6
Overall width	74.6
Overall height	53.9

Track width	Front/rear	63.0/63.0
Coefficient of drag		0.26

<b>Interior (inches)</b>	<b>Front</b>	<b>Rear</b>
Head room	38.1	33.5
Leg room	44.6	26.4
Hip room	54.7	44.9
Shoulder room	54.3	50.0

<b>Weights</b>		
Curb weight (pounds)	Front	2,119
	Rear	1,748
	Total	3,867
Weight distribution (%) Front/rear		54/46
GVWR (pounds)		4,727

<b>Capacities</b>	
Fuel tank (gallons)	19.5
Engine oil (quarts)	6.5
Engine coolant with reservoir (quarts)	12.3

<b>Volume (cubic feet)</b>	
Passenger compartment	79.0
Cargo	8.8
Total	87.8

<b>EPA Fuel Economy (mpg)</b> <i>(Actual mileage may vary)</i>	
City	16
Highway	22
Combined	18

**S** - Standard **O** - Option

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