

## 2020 Nissan GT-R NISMO Specifications (EU)

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	441kW (600ps) @ 6,800 RPM <sub>1</sub>
Torque Nm	652Nm @ 3,600 – 5,600 RPM <sub>1</sub>
Bore & stroke (mm)	95.5 x 88.4 (Plasma sprayed bore)
Compression ratio (:1)	90
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 GT-R system
Engine mounts	2 liquid-filled, front; 1 solid, rear
Recommended fuel	Premium unleaded, 100 octane
Emissions system	3-way catalyst and secondary air injection
Emission certification level	EPA Tier 2-Bin5 (Euro 6B)
Exhaust	Dual system, 4 outlets (2 each side) with burnished tips and Exhaust S

### Electrical

Ignition system	Electronic, Nissan Direct Ignition System
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 shifters, gear pre-selection
Gear ratio 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 (DRM)	S
1.5-way mechanical limited slip differential	S
Traction Control System with Limited Slip	S
Vehicle Dynamic Control (VDC)	S
Save-mode function	S
Hill Start Assist (HSA)	S

Yaw Rate Feedback Control (ATTESA E-TS)	S
<b>Brakes</b>	
Carbon ceramic brake system: Brembo® carbon ceramic rotors and calipers	S
Front Type Rotor size diameter and thickness (mm)	Brembo® six piston monoblock caliper vented and drilled rotor 410 x 38
Rear Type Rotor size diameter and thickness (mm)	Brembo® four piston monoblock caliper vented and drilled rotor 390 x 32
Brake control	Active power brake booster (double)
Anti-lock Brake System (ABS)	S
Number of wheels	4
Number of channels	4
Number of sensors	4
Electronic Brake force Distribution (EBD)	S
Brake Assist	S
Parking brake	Hand-operated
Brake cooling air guide (front and rear)	S
<b>Steering</b>	
Type	Vehicle speed-sensitive power rack-and- steering rack, four-point mounting
Overall ratio	15:1
Turns (lock to lock)	24
Turning diameter (meter)	122
Steering wheel	3-spoke Alcantara®-wrapped with air blower telescoping, lap timer switch
NISMO Dark Gray steering wheel with red stripe and Alcantara® accents	S
Steering wheel ASCD, audio and Bluetooth® Lap time switches	S
<b>Suspension</b>	
NISMO-tuned suspension with unique shock absorber settings and spring rates	S
Front	Independent double wishbone aluminum frame structure, six-point mounting
Rear	Independent multi-link aluminum suspension tube-frame structure, six-point mounting 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
<b>Body / Chassis</b>	
Type	Unibody
Materials (primary)	Steel, carbon fiber, die-cast aluminum
Additional body bonding	S
Platform	Premium-Midship (PM)

## Exterior

Wheels & Tires	
Wheels F: 20x10.0 inches, R: 20x10.5 in.	S
Lightweight 9-spoke RAYS® aluminum-alloy forged, black finish	S
Tires Dunlop® SP Sport Maxx GT600 ultra high performance run-flat tires F: 255/40ZRF20 XL, R: 285/35ZRF20 XL NISMO-specific compound	S
Tire Pressure Monitoring System (TPMS), pressure and position shown on multi- function meter	S
Lights	
Headlights LED	S
Integrated LED daytime running lights	S
Auto on/off	S
Taillights "GT-R" 4-ring LED Spoiler-mounted LED center high-mount stop lamp	S 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, hood and front fenders with air vents	S
Functional rear underbody diffuser	Carbon fiber
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

## Interior

Seating	
Capacity	4 passengers
Front Seat Type	Bucket, sport style, with accommodatic 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

Driver's seat	2-way power	S
Front Passenger's seat	2-way power	S
<b>Instrumentation</b>		
Meters/gauges Speedometer Tachometer		S
Coolant temperature		
Fuel level		
LCD dual trip odometer		
Red-accented tachometer		S
Multi-Function Display system featuring: Turbo boost		S
Water temp		
Engine temp and oil pressure Transmission oil temp and pressure		
Speed, Accel, Braking		S
Accel G/ Braking G/ Cornering G/ Accel braking G/		S
Fuel level, flow and economy		S
Front to rear drive dist. (torque split) Steering position		S
Brake and accelerator position Clock		S
<b>Convenience Features</b>		
RearView Monitor Cruise control (ASCD)		S
Power windows – driver and passenger one-touch up/down Power door locks		
Remote keyless entry system Intelligent key system		
Cupholders – 3		
12-volt outlets – 2		
Sunvisors w/ vanity mirrors and lamps Inside rear view mirror – auto-dimming Map light, door step 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 (ASE)		

## ***Safety and Security***

### **Passenger Restraint System**

Nissan Advanced Air Bag System (AABS)	Driver and front passenger air bags with inflation and seat belt sensors
Seat belts, front and rear	3-point (ELR for passengers, ELR for driver)
Front seatbelts w/pre-tensioners and load limiters	S
Power window lockout button	S
Rear seat upper and lower tether anchors	S

### **Impact Safety**

Zone Body Construction with front and rear crumple zones Energy-absorbing steering column Hood buckling creases High-strength side door guard beams	S
<b>Security</b>	
Tamper proof door lock key cylinder Vehicle Security System (VSS) Immobilizer	S

## Dimensions

<b>Exterior (mm)</b>		
Wheelbase		2780
Overall length		4690
Overall width		1895
Overall height		1370
Track width	Front/Rear	1600/1600
Coefficient of drag (Cd)		26
<b>Interior (mm)</b>		<b>Front</b>
Head room		9.682
Leg room		11.323
Hip room		13.882
Shoulder room		13.797
<b>Weights</b>		
Curb weight (kilograms)	Front Rear Total	936
		767
		1703
Weight distribution (%) Front/rear		54/46
GVWR (kg)		2200 (PTW)
<b>Capacities</b>		
Fuel tank (liter)		74
Engine oil (liter)		62
Engine coolant w/ reservoir (liter)		117
<b>Volume (cu. ft)</b>		
Passenger compartment		790
Cargo		88
Total		878
<b>Fuel Economy (l/100km)</b>		
<i>(Actual mileage may vary)</i>		
Lo		TBD
Mid		TBD
High		TBD
exHigh		TBD
TOTAL		TBD

S- Standard

O- Optional

1. 100 octane gasoline required
2. Dry carbon fiber requires specific maintenance. Please see Owner's Manual for details.









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