



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 ¹
Torque Nm	652Nm @ 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, 100 octane
Emissions system	3-way catalyst and secondary air injection system
Emission certification level	EPA Tier 2-Bin5 (Euro 6B)
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 pre-selection
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 (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

Brakes	
Carbon ceramic brake system: Brembo [®] carbon ceramic rotors and calipers	S
Front Type	Brembo [®] six piston monoblock calipers, full-floating, vented and drilled rotors
Rotor size diameter and thickness (mm)	410 x 38
Rear Type	Brembo [®] four piston monoblock calipers, full-floating, vented and drilled rotors
Rotor size diameter and thickness (mm)	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

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 (meter)	12.2
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 [®] Lap time 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 (PM)

Exterior

Wheels & Tires	
Wheels	F: 20x10.0 inches, R: 20x10.5 in.
	Lightweight 9-spoke RAYS® aluminum-alloy forged, black finish
Tires	Dunlop® SP Sport Maxx GT600 ultra high performance run-flat tires F: 255/40ZRF20 XL, R: 285/35ZRF20 XL NISMO-specific compound
Tire Pressure Monitoring System (TPMS), pressure and position shown on multi-function meter	S

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

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 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
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 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
Driver's seat 2-way power	S
Front Passenger's seat 2-way power	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	S

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	
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Convenience Features

RearView Monitor Cruise control (ASCD) 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)	S
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Safety and Security

Passenger Restraint System

Nissan Advanced Air Bag System (AABS)	Driver and front passenger air bags with dual-stage 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
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Security

Tamper proof door lock key cylinder Vehicle Security System (VSS) Immobilizer	S
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Dimensions

Exterior (mm)		
Wheelbase		2780
Overall length		4690
Overall width		1895
Overall height		1370
Track width	Front/Rear	1600/1600
Coefficient of drag (Cd)		0.26

Interior (mm)	Front	Rear
Head room	968.2	851.9
Leg room	1132.3	670.4
Hip room	1388.2	1140.6
Shoulder room	1379.7	1269

Weights		
Curb weight (kilograms)	Front	936
	Rear	767
	Total	1703
Weight distribution (%) Front/rear		54/46
GVWR (kg)		2200 (PTW)

Capacities	
Fuel tank (liter)	74
Engine oil (liter)	6.2
Engine coolant w/ reservoir (liter)	11.7

Volume (cu. ft)	
Passenger compartment	79.0
Cargo	8.8
Total	87.8

Fuel Economy (l/100km) (Actual mileage may vary)	
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.