

2017 Nissan GT-R NISMO 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 @ 6,800 RPM*
Torque lb-ft	481 lb-ft @ 3,600 – 5,600 RPM*
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-capacity IHI SpecV Twin-Turbo system
Engine mounts	2 liquid-filled, front; 1 solid, rear
Recommended fuel	Premium unleaded, 93 octane
Emissions system	3-way catalyst and secondary air injection system
Emission certification level	LEV2/ULEV (50 state)
Exhaust	Dual system, 4 outlets (2 each side) Titanium exhaust with 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, magnesium 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
Snow-mode function	S
Hill Start Assist (HSA)	S
Yaw Rate Feedback Control	S

Brakes		
Front	Type	Brembo® six piston monoblock calipers, full-floating, vented and drilled rotors
	Rotor size diameter and thickness (in.)	15.35 x 1.28
Rear	Type	Brembo® four piston monoblock calipers, full-floating, vented and drilled rotors
	Rotor size diameter and thickness (in.)	15.0 x 1.18
Brake control		Power-assisted (vacuum)
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, with stiff insulators
Overall ratio	15:1
Turns (lock to lock)	2.4
Turning diameter (ft.)	36.6
Steering wheel	3-spoke leather-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 high 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 (spherical bearing design)
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
Progressive rate (non-linear) springs	S
High-accuracy alignment, fully adjustable	S

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

Exterior

Wheels & Tires	
Wheels F: 20x10.0 inches, R: 20x10.5 in.	S
Lightweight 6-spoke RAYS® aluminum-alloy forged, black finish	S
Tires Dunlop® Sports Maxx GT600 ultra high performance run-flat tires F: 255/40ZRF20, R: 285/35ZRF20 NISMO-specific compound	S
Tire Pressure Monitoring System (TPMS), pressure and position shown on multi-function meter	S

Lights	
Headlights 4-bulb 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, Dark Gray outside mirrors with red stripe, carbon fiber side sill covers	S
Functional rear underbody diffuser	Carbon fiber
Dry carbon fiber rear spoiler**	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
Revised front and rear fascias	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

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 Alcantara® accents, 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 (ANC)	S
Vehicle speed sensitive auto volume control	S
DVD video playback	S
SiriusXM® Satellite Radio (SiriusXM® subscription required, sold separately)	S

NissanConnect SM with Navigation, Mobile Apps and Services, 8.0-inch color display with multi-touch control, Nissan Voice Recognition for navigation and audio, HD Radio, SiriusXM [®] Travel Link [™] (SiriusXM [®] subscription required, sold separately)	S
NissanConnect Mobile Apps	S
NissanConnect Services Powered by SiriusXM [®] (SiriusXM [®] subscription required, sold separately)	
Bluetooth [®] Hands-free phone system	S
Streaming Audio via Bluetooth [®]	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, (11 pages of information) with playback feature Turbo boost Water and engine oil pressure Transmission oil temperature Front to rear drive distribution Steering position Brake and accelerator position Gearshift mapping for optimal economy	S

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 Passenger assist grip Sunvisors w/ vanity mirrors and lamps Front seat knee pads Inside rear view mirror – auto-dimming HomeLink [®] Universal Transceiver (UGDO) Map light, door step lamp Center console storage area Automatic climate control, dual zone	S
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3-position setup switches for suspension, transmission and VDC Console-mounted push-button start Aluminum interior trim Soft padding on instrument panel and doors Carbon fiber interior trim Active Sound Enhancement (ASE)	
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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, 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 (VSS) Immobilizer	S

Dimensions

Exterior (inches)		
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 (Cd)		0.26

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

Weights		
Curb weight (pounds)	Front	2,138
	Rear	1,773
	Total	3,911
Weight distribution (%) Front/rear		54/46
GVWR		4,727

Capacities	
Fuel tank (gallons)	19.5
Engine oil (quarts)	6.5
Engine coolant w/ reservoir (quarts)	11.9

Volume (cubic feet)	
Passenger compartment	79.0
Cargo	8.8
Total	87.8

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

S- Standard

O- Optional

*93 octane gasoline required

**Dry carbon fiber requires specific maintenance. Please see Owner's Manual for details.