



2024 Nissan Z Specifications

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

S – Standard O – Option

Mechanical

Engine	Sport	Performance	NISMO
Name	VR30DDTT 3.0L V6 Twin Turbo		
Cam design	DOHC		
Orientation	Longitudinal		
Cylinders / configuration	V6		
Block / head composition	Aluminum/aluminum		
Displacement (liters)	3.0 / 2997		
Horsepower	400 @ 6,400 rpm	420 @ 6,400 rpm	
Torque (lb-ft)	350 @ 1,600 - 5,600 rpm	384 @ 2,000 - 5,200 rpm	
Bore & stroke (mm)	86.0 x 86.0		
Compression ratio	10.3		
Maximum engine speed	6,800 rpm		
Induction system	Twin turbochargers		
Valvetrain	4 valves per cylinder; Continuously Variable Valve Timing Control System (CVTCS)		
Fuel delivery system	Direct Injection Gasoline		
Engine oil cooler type	Engine coolant	NISMO-enhanced	
Cooling fan type	Electric		
Recommended fuel	Premium unleaded		
Emissions certification level	50 state: LEV2-LEV (CARB), Tier2-Bin5 (Fed)		
Exhaust	Dual with standard muffler (6MT) Dual with sport grade muffler (9AT)		

Transmission and Drive System	Sport	Performance	NISMO
Drive configuration	Mid-mounted front-engine / rear-wheel drive		
Transmission type			
6-speed close-ratio manual w/EXEDY high-performance clutch	S	S	-
9-speed automatic	O	O	-
NISMO-tuned 9-speed automatic	-	-	S
Paddle shifters (9AT)	S		
Launch control	S (9AT only)	S	S
Drive shaft	Carbon fiber composite (6MT only)		Steel
Downshift Rev Matching	S (9AT)		S
SynchroRev Match®	-	S (6MT)	-
Mechanical clutch-type limited-slip differential	-	S	
Limited Traction mode/slip function	S (9AT)	S (9AT)	S
Hill Start Assist	S		

Transmission coolers	9AT oil warmer and air-cooled cooler	
Gear ratios (:1)	MT	AT
1st	3.795	5.425
2nd	2.325	3.263
3rd	1.625	2.249
4th	1.272	1.649
5th	1	1.221
6th	0.795	1
7th	-	0.862
8th	-	0.713
9th	-	0.597
Reverse	3.446	4.799
Final drive ratio (:1)	3.538	3.133

Brakes	Sport	Performance	NISMO
Front – vented disc Rotor size diameter and thickness - (in.) 12.6 x 1.10	S	-	-
Rear – vented disc Rotor size diameter and thickness - (in.) 12.1 x 0.6	S	-	-
Front – Vented disc Rotor size diameter and thickness - (in.) 14.0 x 1.3	-	S	-
Front – vented disc Rotor size diameter and thickness - (in.) 15.0 x 1.3	-	-	S
Rear – vented disc Rotor size diameter and thickness - (in.) 13.8 x 0.8	-	S	S
Caliper type / material	Floating 2-piston front, single piston rear / cast iron	Fixed 4-piston front, 2-piston rear / aluminum	
Red caliper color	-	S	
Brake control	Power-assisted (vacuum)		
Anti-lock Braking System Number of wheels/channels/sensors	S 4/4/4		
Brake Assist	S		
Electronic Brake force Distribution	S		
Parking brake – mechanical, pull-type	S		

Steering	Sport	Performance	NISMO
Type	Electric power steering (electric rack)		
NISMO-specific tuning	-		S
Steering wheel	3-spoke leather-wrapped with air bag, manual tilt		
Premium leather steering wheel	-	S	-
NISMO leather and Alcantara steering wheel	-	-	S
Steering wheel controls – illuminated	S		
Manual tilt and telescopic steering column	S		

Suspension		
Front	Double-wishbone aluminum-alloy	
Subframe construction	Aluminum	
Stabilizer bar	S	
Shock absorbers	Monotube	
Rear	Multi-link aluminum -alloy	
Subframe construction	Steel	
Stabilizer bar	S	
Shock absorbers	Monotube	
2-point front strut tower brace	S	
NISMO front and rear chassis bracing	-	S
NISMO-tuned suspension	-	S

Body / Chassis	
Type	Unibody
Materials (primary)	Corrosion-resistant high-strength steel
Hood, doors, rear hatch	Aluminum

Exterior

Wheels & Tires	Sport	Performance	NISMO
Wheels			
Gray Metallic painted aluminum-alloy F: 18x9 inches R: 18x9 inches	S	-	-
RAYS® Dark Gray Metallic painted forged aluminum-alloy F: 19x9.5 inches R: 19x10 inches	-	S	-
RAYS® Gloss Black painted forged aluminum-alloy F: 19x10 inches R: 19x10.5 inches	-	-	S
Tires			
Yokohama ADVAN Sport high performance F: P245/45R18, R: P245/45R18	S	-	-
Bridgestone Potenza® S007 high performance F: P255/40R19, R: P275/35R19	-	S	-
Dunlop SP SPORT MAXX GT600 F: P255/40R19, R: P285/35R19	-	-	S
Tire repair kit		S	
Tire Pressure Monitoring System, direct sensor type		S	

Lights	
Headlights	LED low and high beam
	LED daytime running lamps
Automatic on/off	S
Intelligent Auto Headlights	S
LED taillights	S
Side mirror LED turn signal indicators	S

High Beam Assist	S
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Exterior Features	Sport	Performance	NISMO
Body-colored door handles		S	
Black front grille		S	
Body-colored front and rear bumpers		S	
Manual-folding body-colored outside mirrors with turn signals		S	
Black mirrors with red NISMO strip	-	-	S
Heated outside mirrors	-	S	S
Manual opening and closing hatch		S	
Front chin spoiler	-	S	-
Rear spoiler	-	S	-
NISMO-exclusive three-piece rear spoiler	-	-	S
Side sill spoiler	S	S	S
Black "katana" blade styling element	-	-	S
Black roof	O	O	S
NISMO-exclusive front and rear fascias	-	-	S
NISMO-exclusive front grille	-	-	S
NISMO-exclusive side sills	-	-	S
NISMO emblems at front and rear	-	-	S

Interior

Seating		Sport	Performance	NISMO
Capacity			2-passenger	
Seat Materials	Black woven cloth	S	-	-
	Synthetic suede inserts	-	S	-
	Leather-appointed	-	S	-
	Leather and Alcantara-appointed	-	-	S
Unique seat cushion and side bolster design		-	S	-
NISMO-exclusive Recaro seats		-	-	S
NISMO interior badging		-	-	S
Seat Type	Sport bucket		S	
	Height-adjustable head restraints	S	S	-
	Heated	-	S	-

Driver Seat	8-way manual	S	-	S
	4-way power with manual lifter, lumbar and thigh support	-	S	-
Passenger Seat	4-way manual	S	-	S
	4-way power	-	S	-
Suede-appointed door trim		-	S	S

Audio/Navigation	Sport	Performance	NISMO
Nissan audio system with 6 speakers	S	-	-
8-inch touchscreen	S	-	-
Bose® audio with 8 speakers, Active Noise Cancellation, Active Sound Enhancement	-	S	S
9-inch touchscreen display with navigation	-	S	S
Apple CarPlay®	S		
Wireless Apple CarPlay®	-	S	
Android Auto™	S		
Streaming Audio via Bluetooth®	S		
Bluetooth® Hands-free Phone System	S		
Siri® Eyes Free	S		
Hands-free Text Messaging Assistant	S		
Amazon Alexa connectivity	-	S	
SiriusXM® Radio (SiriusXM® subscription required, sold separately)	S		
Voice Recognition	S		
NissanConnect® with WiFi hotspot	-	S	S
NissanConnect® Services	-	S	S

Instrumentation	Sport	Performance	NISMO
Fully digital TFT meter display Speedometer, Tachometer Coolant temperature Fuel level LCD dual trip odometer		S	
NISMO-exclusive TFT meter graphics	-	-	S
Instrument panel-mounted 3-bay gauge cluster (turbocharger boost, turbocharger turbine speed, voltmeter)		S	
Indicators			
Clock		S	
Low Tire Pressure		S	
Programmable M/T shift up timing indicator (light)	When equipped with 6MT		
Cruise Control		S	
VDC off		S	
Drive computer + G-meter		S	

Convenience Features	Sport	Performance	NISMO
Intelligent Cruise Control		S	
Power windows w/ one-touch up/down		S	
Power door locks with auto locking feature		S	
Nissan Intelligent Key® with Push Button Ignition		S	
NISMO-exclusive red anodized engine start and Drive Mode buttons	-	-	S
Auto-dimming inside rearview mirror		S	
RearView Monitor		S	
2 12-volt power points		S	
Knee pad on center console tunnel		S	
HomeLink® Universal Transceiver	-		S
Aluminum trimmed sport pedals	-		S
Locking glove compartment		S	
Glove compartment dampening	-		S
Rear window defroster with timer		S	
Front center console with armrest, storage bin		S	
Cupholders (2) /bottle holders (2)		S	
Front map lights (2)		S	
Cargo area lamp		S	
USB charging ports (1 Type A, 1 Type C)		S	
Dual sunvisors with illuminated vanity mirrors		S	
Front and rear parking sensors		S	
Automatic Temperature Control		S	

Safety and Security

Passenger Restraint Systems	
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 seat-mounted side-impact supplemental air bags	S
Roof-mounted curtain side-impact supplemental air bags	S
Seat belts, front	3-point (ELR)
Seatbelts with pre-tensioners and load limiters	S
Top tether anchor (passenger seat)	S

Safety and Security Features	
Zone Body Construction with front and rear crumple zones Steel side-door guard beams Power window lockout button Vehicle Dynamic Control Traction Control System Tire Pressure Monitoring System Nissan Vehicle Immobilizer System Vehicle Security System	S
Automatic Emergency Braking with Pedestrian Detection	S
Predictive Forward Collision Warning	S
Blind Spot Warning	S
Lane Departure Warning	S
Rear Cross Traffic Alert	S

Dimensions

Exterior (inches)		Sport	Performance	NISMO
Wheelbase		100.4		
Overall length		172.4		173.2
Overall width		72.6		73.6
Overall height		51.8		
Ground clearance		4.8		4.9
Track width	Front	61.6	61.2	61.8
	Rear	62.8	61.6	62.2

Interior (inches)	
Head room	38.2
Leg room	42.9
Hip room	54.6
Shoulder room	54.2

Weight

Weights	Sport		Performance		NISMO
	MT	AT	MT	AT	AT
Total	3,486	3,549	3,536	3,602	3,704

Fuel Economy

EPA Estimated Fuel Economy (mpg)	Sport		Performance		NISMO
	MT	AT	MT	AT	AT
City	18	19	18	19	TBD
Highway	24	28	24	28	TBD
Combined	20	22	20	22	TBD

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