

2005 Nissan 350Z Specifications

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

Mechanical

Engine	
Name	VQ35DE
Cam design	DOHC
Orientation	Longitudinal
Cylinders / configuration	V6 w/ CVTCS & Molybdenum and coated pistons
Block / head composition	Aluminum/ aluminum
Displacement	3.5L
Horsepower	287 @ 6,200 rpm 300 @ 6,400 rpm (35 th Anniversary and Track Model)
Torque (lb-ft)	274 @ 4,800 rpm 260 @ 4,800 rpm (35 th Anniversary and Track Model)
Bore & stroke (mm)	95.5 & 81.4
Compression ratio (:1)	10.3
Maximum engine speed	6,600 rpm
Induction system	Sequential multi-point electronic fuel injection
Valvetrain	4 valves per cylinder
Engine mounts	2 liquid: 1 rubber
Recommended fuel	Premium unleaded
Emissions system	Closed loop feedback system w/ 3-way catalyst
Emissions certification level	LEV2
Exhaust	Dual (single each side)

Electrical

Ignition system	Electronic, Nissan Direct Ignition System (NDIS)
Starter	1.4KW reduction
Alternator	110 Amp.
Battery	12 Volt

Transmission and Drive System		
Drive configuration	Mid-mounted front-engine / rear-wheel drive	
Transmission type	6-speed manual	Standard (Base, Enth, Perf, Touring 6MT, Track)
	5-speed auto w/ manual mode	Standard (Touring 5AT), Optional (Enth, 35 th Anniv.)
Gear ratio		<u>M/T</u> <u>A/T</u>
1 st		3.794 3.540
2 nd		2.324 2.264
3 rd		1.624 1.471
4 th		1.271 1.000
5 th		1.000 0.834
6 th		0.794 N/A
Reverse		3.446 2.370
Final drive ratio		3.538 3.357
Drive shaft	Carbon Fiber Reinforced Plastic (CFRP)	
Viscous Limited-Slip Differential (VLSD)	Standard on all models but Base	
Vehicle Dynamic Control (VDC)	Standard on Perf, Touring 6MT and Track models	
Traction Control System (TCS)	Standard on all models but Base	

Brakes		
Standard (standard on all except Track)		
Front	Type	Vented disc, single caliper pistons
	Rotor size diameter and thickness (in.)	11.65" x 0.95"
Rear	Type	Vented disc, single caliper piston
	Rotor size diameter and thickness (in.)	11.50" x 0.63"
Brembo® (standard on 35 th Anniv/Track)		
Front	Type	Vented disc, 4 caliper pistons
	Rotor size diameter and thickness (in.)	12.76" x 1.18"
Rear	Type	Vented disc, 2 caliper pistons
	Rotor size diameter and thickness (in.)	12.68" x 0.87"
Brake Assist (BA)	S	
Brake control	Power-assisted (vacuum)	
Anti-lock Braking System (ABS)	S	
Number of wheels	4	
Number of channels	4	
Number of sensors	4	
Electronic Brake force Distribution (EBD)	S	
Parking brake	Hand operated on center console	

Steering	
Type	Engine-speed-sensitive power rack-and-pinion
Power assisted	S
Overall ratio	15.9
Turns (lock-to-lock)	2.6
Turning diameter (ft.)	35.4
Steering wheel	3-spoke design w/ air bag
Tilt	Manual

Suspension	
Front	Independent multi-link aluminum suspension
Front strut tower bar	S
Stabilizer bar	S
Rear	Independent multi-link aluminum suspension
Integrated strut brace	S
Stabilizer bar	S

Body / Chassis	
Type	Unibody
Materials (primary)	Corrosion-resistant and high-strength steel
Hood	Aluminum
Rear hatch	Steel

Exterior

Wheels & Tires	Base	Enth	Perf	Tour 5AT	Tour 6MT	Track	35th
Wheels							
Aluminum-alloy (7-spoke) FR: 17"x7.5" RR: 17"x8"	S	S	-	S	-		-
Aluminum-alloy (6-spoke) FR 18"x 8" RR: 18"x8"	-		S	-	S	-	S
Forged Super light aluminum-alloy (6-spoke) FR: 18"x8" RR: 18"x8.5"			-			S	-
Tires							
Bridgestone summer tires - Front 225/50R17 94W, Rear 235/50R17 96W	S	S	-	S			-
Summer tires - Front 225/45R18 91W, Rear 245/45R18 96W		-	S	-	S		S
Spare tire							
Temporary (steel) Non-Brembo equipped models: T145/90D16+16x4T			S				-
Temporary (steel) Brembo Equipped models: T145/80D17+17x4T			-				S
Location	Trunk						

Lights	Base	Enth	Perf	Tour 5AT	Tour 6MT	Track	35th
Headlights							
Halogen headlamps	S				-		
Low: xenon HID, Hi: Halogen	-				S		

Interior

Seating	Base	Enth	Perf	Tour	Tour	Track	35th
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	5AT				6MT			
Capacity	2-seater							
Sport seat cloth	S	S	S	-	-	S	-	
Leather	-			S	S	-	S	
Type	Bucket							
Heated seats	-			S	S	-	S	
Driver seat 8-way manual	S	S	S	-	-	S	-	
8-way (4 power, 4 manual)	-	-	-	S	S	-	S	
Passenger seat 4-way manual	S	S	S	-	-	S	-	
4-way (2 power, 2 manual)	-	-	-	S	S	-	S	
Passenger seat back fold down function	S							
Seat back pocket (passenger seat)	S							

Audio	Base	Enth	Perf	Tour 5AT	Tour 6MT	Track	35 th
Head unit and speakers							
160W AM/FM/CD w/ 6 speakers (w/ digital clock)	S	S	S	-	-	S	
240W Bose® audio with cassette/6CD in-dash/AM/FM/CD changer control (w/ digital clock)	-	-	-	S	S	-	S
Radio Data System (RDS), Bose only	-	-	-	S	S	-	S
Bose AudioPilot™ noise-compensation, Bose only	-	-	-	S	S	-	S
DVD navigation system	-	-	-	0	0	-	S

Instrumentation	
Meters/Gauges Speedometer Tachometer Coolant temperature Fuel level LCD dual trip odometer	S
3-bay gauges Trip computer Tire pressure monitor Oil pressure gauge Voltmeter	S
Indicators Clock M/T shift up timing indicator (light) A/T indicator Cruise Control TCS off VDC off	S When equipped with 6MT When equipped with 5AT N/A with Base model Enth, Tour 5AT Perf, Track, Tour 6MT, 35 th Anniv.

Convenience Features	
Cruise control (ASCD)	S (except Base)
Power windows – driver and passenger one-touch up/down	S
Power door locks	S
Remote keyless entry system	S
Cupholders – 3 in the front	S
12-volt outlets – 2	S
Passenger assist grip	S
Sunvisors w/ vanity mirrors and lamps	S
2 rear upper storage boxes (1 with navi)	S
Lockable sub-trunk behind passenger seat	S
Inside rear view mirror – auto-dimming	S (N/A on Base model)
HomeLink® Universal Transceiver (UGDO)	S (N/A on Base model)

Safety and Security

Passenger Restraint Systems	
Air bags (SRS)	
Driver (dual-stage with seat belt sensors)	S
Passenger (dual-stage with seat belt sensor)	S
SRS side & curtain air bags, driver/passenger	O
Outboard seat belts, front	3-point (ALR/ELR for passenger, ELR for driver)
Seatbelts with pretensioners and load limiters	S
Tether anchorage	S
Power window lockout button	S

Passive Safety	
Zone Body Construction with front and rear crushable zones	S
Energy-absorbing steering column	
Hood buckling creases and safety stops	
Body side reinforcements	
Shift interlock system AT	
Clutch interlock system MT	

Security	
Steering wheel locks when key is removed	S
Vehicle Security System	
Immobilizer	

Dimensions

Exterior (inches)	
Wheelbase	104.3
Overall length	169.4
Overall width	71.5
Overall height	51.9
Coefficient of drag (Cd) (front)	0.30 (0.29 Track model)

Interior (inches)	
Head room	38.2
Leg room	42.6
Hip room	53.2
Shoulder room	53.6
Cargo volume SAE rating	6.8 cubic feet

Weights		Base	Enth	Perf	Tour 5AT	Tour 6MT	Track	35 th
Curb (pounds)	MT	3,213	3,221	3,241	-	3,268	3,251	3,229
	AT	-	3,229	-	3,257	-	-	3,291
Weight distribution (%) Front/Rear		53/47						
GVWR		3,816						

Volume (cubic feet)	
Passenger compartment	50.5
Cargo	6.8
Total	57.3

EPA Fuel Economy (Actual mileage may vary)	
City	MT/AT 20/19
Highway	MT/AT 26/26
Classification	Two Seaters

Options	
DVD-Based Navigation System	Available on Touring 5A/T, Touring 6M/T, 35 th Anniversary models
Side and Curtain Air Bags	Available on all models