

2003 Nissan 350Z™

Specifications

Mechanical

Engine	
Name	VQ35DE
Cam Design	DOHC
Orientation	Longitudinal
Cylinders / Configuration	V6 w/ Continuous Variable Valve Timing Control System (CVTCS) & Molybdenum coated pistons
Block / Head Composition	Aluminum/aluminum
Displacement (liters)	3.5L
Horsepower	287 @ 6,200 RPM
Torque (lbs/ft)	274 @ 4,800 RPM
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 Cover	Standard
Engine Mounts (3 mounts per vehicle)	2 liquid filled; 1 rubber
Recommended Fuel	Premium unleaded
Emissions System	Closed loop feedback system w/ 3-way catalyst
Emission Certification Level	LEV
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, Touring 6MT, Track)
	5-speed auto w/ manual mode	Standard (Touring 5AT) Optional (Enth)
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	1.472
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	Standard on all models but Base	
Vehicle Dynamic Control	Standard on Perf, Touring 6MT and Track models	

Brakes	
Standard (Standard on all except Track)	
Front Type	Vented Disc, 2 caliper pistons
Rotor size diameter and thickness (in.)	11.65" x .95"
Rear Type	Vented Disc, single caliper piston
Rotor size diameter and thickness (in.)	11.50" x .63"
Brembo (Standard on 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 .87"
Brake Assist	Standard
Brake Control	Power-assisted (vacuum)
ABS	Standard
Number of Wheels	4
Number of Channels	4
Number of Sensors	4
Electronic Brake force Distribution (EBD)	Standard
Parking Brake	Hand operated along left side of center console

Steering	
Type	Engine speed sensitive power rack-and-pinion
Power Assisted	Standard
Overall Ratio	15.9
Turns (lock to lock)	2.6
Turning Diameter (curb to curb, in feet)	35.33
Turning Diameter (wall to wall, in feet)	37.27
Steering Wheel	3-spoke design w/ air bag
Tilt	Manual
Telescopic	N/A

Suspension	
Front	Independent multi-link aluminum suspension
Front Strut Tower Bar	Standard
Stabilizer Bar	Standard
Rear	Independent multi-link aluminum suspension
Integrated Strut Tower Brace	Standard
Stabilizer Bar	Standard

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

Exterior

Wheels & Tires	Base	Enth.	Perf.	Track	Touring 5AT	Touring 6MT
Wheels						
Aluminum-alloy (7-spoke) FR: 17"x7.5" RR: 17"x8"	S	S	N/A	N/A	S	N/A
Aluminum-alloy (6-spoke) FR 18"x7.5" RR: 18"x8"	N/A	N/A	S	N/A	N/A	S
Super light Aluminum-alloy (6-spoke) FR: 18"x8" RR: 18"x8.5"	N/A	N/A	N/A	S	N/A	N/A
Tires						
Bridgestone Summer tires - Front 225/50R17 94W, Rear 235/50R17 96W	S	S	N/A	N/A	S	N/A
Bridgestone Potenza RE 040 Summer Tire – Front 225/45R18 91W, Rear 245/45R18 96W	N/A	N/A	S	S	N/A	S
Spare Tire						
Temporary (steel) Non-Brembo equipped models	S	S	S	N/A	S	S
Temporary (steel) Brembo equipped Track Package	N/A	N/A	N/A	S	N/A	N/A
Location	Trunk					

Lights

Headlights						
Halogen Headlamps	S	N/A	N/A	N/A	N/A	N/A
Flush mounted, Low: xenon HID, Hi: Halogen	N/A	S	S	S	S	S

Interior

Seating	Base	Enth.	Perf.	Track	Touring 5AT	Touring 6MT
Capacity	2-seater					
Sport Seat Cloth	S	S	S	S	N/A	N/A
Leather	N/A	N/A	N/A	N/A	S	S
Type	Bucket					
Heated Seats	N/A	N/A	N/A	N/A	S	S
Driver Seat Cloth – 6-way manual	S	S	S	S	N/A	N/A
Driver Seat Leather – 4-way power, 2-way manual	N/A	N/A	N/A	N/A	S	S
Passenger Seat Cloth – 4-way manual	S	S	S	S	N/A	N/A
Passenger Seat Leather – 2-way power	N/A	N/A	N/A	N/A	S	S
Memory System	N/A					
Passenger seat back fold down function	S					
Seat back pocket (passenger seat)	S					

Audio						
Head unit and speakers						
160W AM/FM/CD w/ 6 speakers (w/ digital clock)	S	S	S	S	N/A	N/A
240W Bose® audio with cassette/6CD in-dash/AM/FM/CD changer control (w/ digital clock)	N/A	N/A	N/A	N/A	S	S
Radio Data System (RDS), Bose only	N/A	N/A	N/A	N/A	S	S
Bose AudioPilot™ noise-compensation, Bose only	N/A	N/A	N/A	N/A	S	S
DVD navigation system	N/A	N/A	O	O	O	O

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

Safety and Security

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

Passive Safety	
Front crumple zones	S
Hood buckling creases and safety stops	
Rear crumple zones	
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	169.6
Overall width	71.5
Overall height	51.9
Tread width	
Front	60.4
Rear	60.8
Coefficient of drag (Cd)	0.30/0.29 Track model

Interior (inches)	
Head room	38.2
Leg room	42.6
Hip room	53.9
Shoulder room	53.6
Cargo volume	
VDA rating	8.3 cubic feet
SAE rating	6.8 cubic feet

Weights		Base	Enth	Perf	Track	Tour 5AT	Tour 6MT
Curb (pounds)	MT	3,188	3,197	3,217	3,225	-	3,247
	AT	-	3,210	-	-	3,239	-
Weight distribution (%) Front/Rear		53/47					
GVWR		3815					

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

Fuel Economy		
City	AT	19
	MT	20
Highway	AT	26
	MT	26
Classification		2-door coupe

10/02