

**For Immediate Release**

## 2005 Nissan 350Z Roadster Specifications

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

### ***Mechanical***

| <b>Engine</b>                        |  |
|--------------------------------------|--|
| Name                                 | VQ35DE   |
| Cam design                           | DOHC   |
| Orientation                          | Longitudinal                                     |
| Cylinders / configuration            | V6 CVTCS w/ Molybdenum coated pistons            |
| Block / head composition             | Aluminum/aluminum                                |
| Displacement (liters)                | 3.5L   |
| Horsepower                           | 287 @ 6,200 RPM                                  |
| Torque lb-ft                         | 274 @ 4,800 RPM                                  |
| Bore & stroke (mm)                   | 95.5 x 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         | LEV2   |
| Exhaust                              | Dual (single each side)                          |

| <b>Transmission and Drive System</b>     | <b>Enthusiast</b>                           | <b>Touring</b> | <b>Grand Touring</b> |
|--|---|----------------|----------------------|
| Drive configuration                      | Mid-mounted front engine / rear-wheel drive |                |                      |
| Transmission                             | S   | S              | S                    |
| 6-speed manual                           | O   | O              | -                    |
| 5-speed auto w/ manual mode              |   |                |                      |
| Gear ratio                               | <u>M/T</u>                                  | <u>A/T</u>     |                      |
| 1 <sup>st</sup>                          | 3.794                                       | 3.540          |                      |
| 2 <sup>nd</sup>                          | 2.324                                       | 2.264          |                      |
| 3 <sup>rd</sup>                          | 1.624                                       | 1.471          |                      |
| 4 <sup>th</sup>                          | 1.271                                       | 1.000          |                      |
| 5 <sup>th</sup>                          | 1.000                                       | 0.834          |                      |
| 6 <sup>th</sup>                          | 0.794                                       | N/A            |                      |
| Reverse                                  | 3.446                                       | 2.370          |                      |
| Final drive ratio                        | 3.538                                       | 3.357          |                      |
| Driveshaft                               | Carbon Fiber Reinforced Plastic (CFRP)      |                |                      |
| Viscous Limited-Slip Differential (VLSD) | S   |                |                      |
| Traction Control System (TCS)            | S   |                |                      |

| <b>Electrical</b> |  |
|-------------------|--|
| Ignition system   | Electronic, Nissan Direct Ignition System (NDIS) |
| Starter           | 1.4KW Reduction                                  |
| Alternator        | 110 Amp.   |
| Battery           | 12 Volt  |

| <b>Brakes</b>                             | <b>Enthusiast</b>                               | <b>Touring</b> | <b>Grand Touring</b>   |
|---|---|----------------|------------------------|
| Front<br>Type                             | Vented disc                                     |                | Brembo®<br>vented disc |
| Rotor size diameter and thickness (in.)   | 11.65 x .95                                     |                | 12.76 x1.18            |
| Rear<br>Type                              | Vented disc                                     |                | Brembo<br>vented disc  |
| Rotor size diameter and thickness (in.)   | 11.50 x .63                                     |                | 12.68 x 0.87           |
| Brake Assist                              | S   |                |                        |
| 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   |                |                        |
| Parking brake                             | Hand-operated along left side of center console |                |                        |

| <b>Steering</b>        |  |
|------------------------|--|
| 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<br>Tilt | 3-spoke design with air bag<br>Manual        |

| <b>Suspension</b>     |  |
|-----------------------|--|
| Front                 | Independent multi-link aluminum suspension |
| Front strut tower bar | S  |
| Stabilizer bar        | S  |
| Rear                  | Independent multi-link aluminum suspension |
| Stabilizer bar        | S  |

| <b>Body / Chassis</b> |   |
|-----------------------|---|
| Type                  | Unibody                                     |
| Materials (primary)   | Corrosion-resistant and high-strength steel |
| Hood                  | Aluminum                                    |
| Rear hatch (trunk)    | Plastic                                     |

## Exterior

| Wheels & Tires   | Enthusiast | Touring | Grand Touring |
|--|------------|---------|---------------|
| Wheels<br>Aluminum-alloy (7-spoke) FR: 17"x7.5"<br>RR: 17"x8"                  | S          | S       | -             |
| Aluminum-alloy (6-spoke) FR 18"x8.0"<br>RR: 18"x8"                             | O          | O       | S             |
| Tires<br>Bridgestone summer tires – Front<br>225/50R17 94W, Rear 235/50R17 96W | S          | S       | -             |
| Bridgestone summer tires – Front<br>225/45R18 91W, Rear 245/45R18 96W          | O          | -       | S             |
| Temporary spare tire<br>T145/90D16+16x4T<br>T145/80D17+17x4T                   | S<br>-     | S<br>-  | -<br>S        |
| Location   | Trunk      |         |               |

## Lights

|   |  |        |  |
|---|--|--------|--|
| Headlights<br>Flush mounted, low: xenon HID, hi:<br>halogen<br>Center high mount stop light |  | S<br>S |  |
|---|--|--------|--|

## Convertible

|  |   |
|--|---|
| Electric Soft Top with Power Tonneau Cover | S |
|--|---|

## Interior

| Seating  | Enthusiast | Touring | Grand Touring |
|--|------------|---------|---------------|
| Capacity   | 2          |         |               |
| Sport seat cloth   | S          | -       | -             |
| Leather  | -          | S       | S             |
| Type   | Bucket     |         |               |
| Heated seats   | -          | S       | S             |
| Burnt Orange ventilated leather-trimmed<br>net seats (heated)      | -          | O       | O             |
| Driver seat 8-way (4 power, 4 manual)<br>6-way (4 power, 2 manual) | S<br>-     | S<br>O  | S<br>O        |
| Passenger seat leather – 4-way power                               | S          |         |               |
| Passenger seat back fold down function                             | S          |         |               |
| Seat back pocket (passenger seat)                                  | S          |         |               |

| <b>Audio</b>   | <b>Enthusiast</b> | <b>Touring</b> | <b>Grand Touring</b> |
|--|-------------------|----------------|----------------------|
| Head unit and speakers   |                   |                |                      |
| 160W AM/FM/CD w/ 6 speakers (w/ digital clock)   | S                 | -              | -                    |
| 240W Bose® audio with cassette/6CD in-dash/AM/FM/CD changer control (w/ digital clock), 7 speakers and subwoofer | -                 | S              | S                    |
| Radio Data System (RDS)  | -                 | S              | S                    |
| Bose AudioPilot™ noise-compensation  | -                 | S              | S                    |
| DVD navigation system  | -                 | O              | O                    |

| <b>Instrumentation</b>                |                         |
|---------------------------------------|-------------------------|
| Meters/gauges                         |                         |
| Speedometer                           | S                       |
| Tachometer                            | S                       |
| Coolant temperature                   | S                       |
| Fuel level                            | S                       |
| LCD dual trip odometer                | S                       |
| 3-bay gauges                          |                         |
| Trip computer                         | S                       |
| Oil pressure gauge                    | S                       |
| Voltmeter                             | S                       |
| Indicators                            |                         |
| Clock                                 | S                       |
| M/T shift up timing indicator (light) | When equipped with 6 MT |
| A/T indicator                         | When equipped with 5 AT |
| Cruise control                        | S                       |
| Overdrive off                         | When equipped with auto |
| TCS off                               | S                       |

| <b>Convenience Features</b>                            |   |
|--|---|
| Cruise control (ASCD)                                  | S |
| 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 glove box behind passenger seat               | S |
| Inside rear view mirror – auto-dimming                 | S |
| HomeLink® Universal Transceiver (UGDO)                 | S |

## Safety and Security

| Passenger Restraint System   | Enthusiast                                      | Touring | Grand Touring |
|--|---|---------|---------------|
| Air bags (SRS)<br>Driver (dual-stage with seat belt sensors)<br>Passenger (dual-stage with seat belt sensor) |   | S       |               |
| SRS side air bags  | O   | S       | S             |
| 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   | Enthusiast | Touring | Grand Touring |
|--|------------|---------|---------------|
| Energy-absorbing steering column                           |            | S       |               |
| Hood buckling creases and safety stops                     |            | S       |               |
| Zone Body construction with front and rear crushable zones |            | S       |               |
| Body side reinforcements                                   |            | S       |               |
| Shift interlock system AT                                  |            | S       |               |
| Clutch interlock system MT                                 |            | S       |               |

| Security                                 | Enthusiast | Touring | Grand Touring |
|--|------------|---------|---------------|
| Steering wheel locks when key is removed |            | S       |               |
| Vehicle security system                  |            | S       |               |
| Immobilizer                              |            | S       |               |

## Dimensions

| Exterior (inches) | Enthusiast | Touring | Grand Touring |
|-------------------|------------|---------|---------------|
| Wheelbase         |            | 104.3   |               |
| Overall length    |            | 169.4   |               |
| Overall width     |            | 71.5    |               |
| Overall height    |            | 52.3    |               |
| Tread width       |            |         |               |
| Front             |            | 60.4    |               |
| Rear              |            | 60.6    |               |

| Interior (inches)         | Enthusiast | Touring | Grand Touring |
|---------------------------|------------|---------|---------------|
| Head room                 |            | 39.2    |               |
| Leg room                  |            | 42.6    |               |
| Hip room                  |            | 53.2    |               |
| Shoulder room             |            | 53.6    |               |
| Cargo volume (cubic feet) |            | 4.1     |               |

| Weights | Enthusiast | Touring | Grand |
|---------|------------|---------|-------|
|---------|------------|---------|-------|

|                                    |    | <b>Touring</b> |       |       |
|------------------------------------|----|----------------|-------|-------|
| Curb (pounds)                      | MT | 3,480          | 3,496 | N/A   |
|                                    | AT | 3,488          | 3,488 | 3,536 |
| Weight distribution (%) Front/rear |    | 53/47          |       |       |
| GVWR                               |    | 4,133          | 4,133 | 4,133 |

| <b>Capacities</b>                    |      |
|--------------------------------------|------|
| Fuel tank (gallons)                  | 20.0 |
| Engine oil (quarts)                  | 5.0  |
| Engine coolant w/ reservoir (quarts) | 9.2  |

| <b>Volume (cubic feet)</b> |      |
|----------------------------|------|
| Passenger compartment      | 50.5 |
| Cargo                      | 6.8  |
| Total                      | 57.3 |

| <b>EPA Fuel Economy</b><br><i>(Actual mileage may vary)</i> |       |             |
|---|-------|-------------|
| City  | MT/AT | 20/19       |
| Highway   | MT/AT | 26/26       |
| Classification  |       | Two Seaters |

| <b>Options</b>                       | <b>Enthusiast</b> | <b>Touring</b> | <b>Grand Touring</b> |
|--------------------------------------|-------------------|----------------|----------------------|
| DVD-Based Navigation System          | -                 | O              | O                    |
| 18-inch wheels                       | O                 | O              | S                    |
| Ventilated Leather-trimmed Net Seats | -                 | O              | O                    |
| Side Air Bags                        | O                 | S              | S                    |