

## 2004 Nissan Maxima



The 2004 Nissan Maxima continues the formula passed down from five previous generations – an unmatched blend of performance and luxury. The sixth generation Maxima, which received the AutoPacific's Vehicle Satisfaction Award for the Entry Luxury Car category, combines Maxima's traditional high level of performance from the award-winning VQ engine with expressive sports styling and bold design innovations. The 2004 Maxima's SkyView™ features a glass panel roof running lengthwise over the front and rear seats, while the Elite Package includes a fixed, full center console that creates true 4-place seating.

For the first time, Maxima is assembled in the United States, at Nissan's award-winning manufacturing facility in Smyrna, Tennessee .

### **At a Glance: 2004 Nissan Maxima**

The new 2004 Nissan Maxima continues the formula passed down from five previous generations – an unmatched blend of performance and luxury. The sixth generation Maxima combines traditional Maxima performance with expressive sports styling and bold innovation to create a top-of-the-line sports sedan.

An aggressive new exterior design captures the characteristics of a performance car and a luxury sedan all in one, with a chiseled, muscular shape and pronounced character lines. Inside, the expressive design theme continues. Standard on all models is an industry-first SkyView™ glass roof, which creates an open environment for front and rear passengers while maintaining a solid roof structure. An optional Elite Package 4-seat layout gives the interior a distinctive sports car-like design, further separating Maxima from its

competitors.

One thing that has not changed is Maxima's legendary performance. Maxima is powered by the award-winning VQ 3.5-liter engine, increased in 2004 to 265 horsepower. An all-new multi-link independent rear suspension provides superior handling and increased ride comfort. Highlights of the 2004 Maxima include:

### **Body**

- Completely new, aggressive exterior designed to bolster Maxima's sporty image
- Chiseled, muscular shape with pronounced character lines and distinctive C-pillar design adds a sport coupe-like silhouette
- Nissan signature styling cues have been adopted in the hood and grille
- Auto on/off xenon headlights standard on 3.5 SL (optional on 3.5 SE)
- 18-inch aluminum-alloy wheels with V-rated 245/45R18 tires, standard on the 3.5 SE
- All-new FF-L (front engine, front-wheel drive large) platform adopted for Maxima increases torsional rigidity 40%
- Dual exhaust with four ports and chrome finishers
- Chrome-colored accents on roof moldings
- UV reducing solar glass
- Eight exterior colors

### **Engine and Driveline**

- 3.5-liter DOHC 24-valve V6 producing 265 horsepower and 255 lb-ft torque
- Engine features include electronic throttle, silent timing chain, microfinished camshaft and crankshaft surfaces, molybdenum coated pistons, resin intake collector, digital knock control system, cross flow coolant pattern and high capacity muffler
- Platinum-tipped spark plugs with 100,000-mile maintenance intervals
- 6-speed close ratio manual transmission optional on 3.5 SE models
- Standard gated 5-speed electronically controlled automatic transmission with manual shift mode
- Vehicle Dynamic Control (VDC) with Traction Control System (TCS) available on most A/T models
- Available helical limited-slip differential (3.5 SE manual)

### **Suspension, Steering and Braking**

- Independent strut front suspension with coil springs and stabilizer bar
- All-new multi-link independent rear suspension for superior handling and ride comfort
- 4-wheel power-assisted disc brakes, standard 4-wheel Anti-lock Braking System (ABS), Electronic Brake force Distribution (EBD) and Brake Assist (BA)
- 17-inch aluminum-alloy wheels – 7-spoke on 3.5 SL – with P225/55R17 tires
- Standard 18-inch aluminum-alloy wheels with P245/45R18 tires on 3.5 SE

### **Interior Features**

- Five-passenger seating with luxury cloth or leather-appointed seats and 60/40 split fold-down rear bench with lock
- Optional Elite Package with 4-passenger seating layout with two rear bucket seats, rear console design resembles front console, includes power rear sunshade and cargo pass-through
- Standard 8-way power driver's seat (4-way power passenger seat on 3.5 SL) with entry/exit feature (A/T only)
- 240-watt audio system with 8 speakers and AM/FM/cassette/CD with steering wheel-mounted controls on 3.5 SE
- 320-watt Bose® premium audio system with 8 speakers, AM/FM/cassette/6-disc in-dash CD changer, speed-sensitive auto volume control and RDS radio function standard on 3.5 SL and available on 3.5 SE
- Available Nissan Navigation System with 3-D Birdview™ 7.0-inch display
- Heated front seats on 3.5 SL (available on 3.5 SE)
- Dual zone air conditioning with automatic temperature control and rear vents
- Center display that provides HVAC, audio system and trip computer functions in one central location

### Safety and Security

- Standard dual-stage air bags with seat belt sensors and front-seat side-impact supplemental air bags and curtain side-impact supplemental air bags
- Front-seat active head restraints, 3-point ALR/ELR seat belts (driver's seat ELR only) including rear center position
- Front seat belts with adjustable upper anchors with pretensioners and load limiters
- LATCH (Lower Anchors and Tethers for CHildren) child seat anchors and tether system
- Emergency inside trunk-release

### Models and Manufacturing

- Offered in two well-equipped V6 models: 3.5 SE and 3.5 SL
- New mid-year packaging (effective 2/6/04)
- Exterior and interior designed at Nissan Technical Center (NTC) in Atsugi, Japan
- Assembled for the first time in the United States at the award-winning Nissan North America Manufacturing Smyrna & Decherd Tennessee Plant

### 2004 Nissan Maxima Specifications

#### Mechanical

Engine	
Name	VQ35
Cam design	DOHC
Orientation	Transverse
Cylinders / configuration	60° V6

Block / head composition	Aluminum/aluminum
Displacement (liters)	3.5L
Displacement (cubic inches)	214.0
Horsepower	265 @ 5,800 rpm
Torque (lbs/ft)	255 @ 4,400 rpm
Bore & stroke (mm)	95.5 x 81.4
Compression ratio (:1)	10.3
Spark plugs	Double-tipped platinum
Maximum engine speed	6,600 RPM
Induction system	Sequential multi-point electronic fuel injection
Valvetrain	4 valves per cylinder; with CVTCS
Engine mounts (4 mounts per vehicle)	
A/T	2 electronically controlled, 1 liquid filled; 1 rubber
M/T	2 liquid filled, 2 rubber
Recommended fuel	Premium unleaded
Emissions system	Closed loop Alpha Control, ECCS
Emission certification Level	50 states (LEV)
Exhaust -Type	High capacity muffler
- Configuration	Dual mufflers with dual tailpipes

<b>Electrical</b>	
Ignition system	Electronic, Nissan Direct Ignition System (NDIS)
Starter	1.4KW
Alternator	110 Amp.
Battery	12V-55Ah (5HR)

<b>Transmission and Drive System</b>	<b>3.5SE</b>	<b>3.5SL</b>
Drive configuration	Front engine / front-wheel drive	
Transmission Type		

6-speed manual	O	-
5-speed automatic with manual shift mode & gated shifter	S	S
Transmission Control - Automatic	Electronic	
Vehicle Dynamic Control (VDC) with Traction Control System (TCS) (A/T only)	O	
Gear ratio	<u>6 M/T</u>	<u>5 A/T</u>
1 <sup>st</sup>	3.153	4.657
2nd	1.944	3.032
3rd	1.392	1.982
4th	1.055	1.341
5th	0.809	1.018
6th	0.630	-
Reverse	3.002	5.114
Final drive ratio	4.133	2.440
Helical Limited-Slip differential (M/T only)	O	-

<b>Brakes</b>	
Front	.
Type Rotor size diameter and thickness (in.)	Vented disc 12.60 x 1.10
Rear	.
Type Rotor size diameter and thickness (in.)	Solid disc 11.50 x 0.35
Brake Assist (BA)	S
Brake control	Power-assisted (vacuum)
Electronic Brake force Distribution (EBD)	S
Anti-Lock Braking System	S
Number of wheels	4
Number of channels	4
Number of sensors	4

Parking brake	Hand-operated center console
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<b>Steering</b>	
Type	Power rack-and-pinion
Power assisted	Engine-speed-sensitive
Overall ratio (:1)	16.2
Turns (lock-to-lock) 17-inch tires / 18-inch tires	2.6/2.6
Turning Diameter (ft.) 17-inch tires / 18-inch tires	40.0/40.0

<b>Suspension</b>	<b>3.5SE</b>	<b>3.5SL</b>
Front Stabilizer bar	Independent strut w/coil springs 22.2 mm diameter	
Rear Stabilizer bar	Multi-link independent suspension 26.5 mm diameter	
Suspension Tuning Performance	S	-
	-	S
Luxury		

<b>Body / Chassis</b>	
Type	Unibody
Materials (primary)	Corrosion-resistant and high strength steel

## Exterior

<b>Wheels &amp; Tires</b>	<b>3.5SE</b>	<b>3.5SL</b>
Wheels		
Aluminum-alloy	S	
Aluminum-alloy (7-spoke) 7JJ x 17	-	S
Aluminum-alloy (6-spoke) 7.5JJ x 18	S	-
Tires	All-season	

All-season - P225/55R17 H- rated	-	S
All-season - P245/45R18 V- rated	S	-
Spare Tire Temporary T145/80R(D)17 (alloy)	S	
Full-size 17-inch or 18-inch	O	
Location	Trunk	

Lights	3.5SE	3.5SL
Headlights		
Type		
Halogen	S	-
Xenon high/low beam	O	S
Operation	Auto on/off	
Cornering lamps	S	
Fog lights	S	
Center high mount stop light rear parcel shelf	S	

#### Interior

Seating	3.5SE	3.5SL
Capacity	5 passenger	
Materials		
Luxury seat cloth	S	-
Leather appointments	O	S
Front seats	Bucket	
Heated	O	S
8-way power driver	S	

seat		
Manual lumbar	S	
Power lumbar	O	
Passenger seat 4-way manual 4-way power	S O	- S
Head Restraint/Headrest	Active	
Memory system	O	
Auto entry/exit	O (A/T only)	
Seat back pockets Dual	S	
Rear seats 3-passenger 60/40 split fold-down 2-passenger Head restraint/headrest	S O Height adjustable	

<b>Audio</b>	<b>3.5SE</b>	<b>3.5SL</b>
Head unit and speakers	.	
AM/FM/cassette/CD w/8 speakers	S	-
320-watt Bose® audio system with AM/FM/cassette/CD6 w/ 8 speakers	O	S
Speed sensitive volume control	O	S
Radio Data System (RDS)	O	S
Satellite radio pre-wiring	S	
Compass - In mirror	O	S
Navigation System DVD-bases with 7-inch color display	O	
Audio antenna - In glass	S	

<b>Instrumentation</b>



Meters/gauges	
Speedometer - Analog	S
Tachometer - Analog	S
Coolant temperature - Analog	S
Fuel level - Analog	S
Trip odometer - Dual	S
Digital clock - Digital	S

Interior Trim	3.5SE	3.5SL
Roof trim	Molded tricot	
Wood-tone accents	-	S
Metallic-tone accents	S	-
Door trim Style Upper insert suede cloth	Fully molded S	
Door armrests Front and rear with grip	S	
Door pockets Front	S	
Sun visor with illuminated vanity mirror, extender and sun visor Driver Passenger	S S	
Shift knob    Leather-wrapped	S	

Convenience Features	
Cruise control	S
Power windows	S
Power door locks	S
Remote keyless entry system	S
Remote release	

Trunk (electric)	S
Fuel filler door (electric)	S
Height adjustable center console lid	S
Cup holders in armrest with lid	S
Front cup holders	S
HomeLink® Universal Transceiver (UGDO)	S
Trip Computer 6.3-inch segment display	S
Rear sunshade with dual (front and rear) power control	O
Driver/Passenger window one-touch auto up/down	S
Center console with armrest and dual lid with phone storage	S
Rear armrest with lid and cup holders	S
Rear center console with cup holders, 12V outlet and storage	O
Glove box lockable	S
Inside rear view mirror	Auto-dimming
Sunglass holder box	S

### Safety and Security

Passenger Restraint Systems	3.5SE	3.5SL
Air bags (SRS)		
Driver (dual-stage with seat belt sensors)		S
Passenger (dual-stage with seat belt sensors)		S
Front-seat side-impact		S
Side-impact curtain front and rear outboard passengers		S

Active head restraints (front)	S
Outboard front seat belts	
Front	S
Rear	S
Adjustable shoulder belt anchors	S
Inboard rear seat belts	S
Child seat upper tether anchor	S
Power window lockout button	S
LATCH system	S
Child safety rear door locks	S

### Passive Safety

Energy-absorbing steering column	S
Zone Body with front and rear crushable zones, occupant zone	S
Hood buckling creases and safety stops	S
Body side reinforcements	S
Shift interlock system	S

### Security

Tamper proof door lock key cylinder	S
Steering wheel locks when key is removed	S
Vehicle security system	S
Immobilizer	S

### Dimensions

Exterior (inches)	
Wheelbase	111.2
Overall length	193.5
Overall width	71.7

Overall height	58.3
Tread width	
Front 17-inch	61.4
18-inch	61.0
Rear 17-inch	61.6
18-inch	61.2
Minimum Ground Clearance 18-inch	5.5
Coefficient of drag (Cd)	
With spoiler (3.5 SE only)	0.28
Without spoiler	0.30
Step-in height	
Front	14.9
Rear	15.1
Angle of approach (degrees)	17.1
Angle of departure (degrees)	19.4

Interior (inches)	Front	Back
Head room without sunroof	40.1	37.3
Leg room	43.9	36.5
Hip room 5-passenger	53.5	54.8
Shoulder room	57.9	56.5
Cargo dimensions (L x W x H)	43.3 x 63.3 x 20.7	

Capacities	
Fuel tank (gallons)	20.0
Engine oil (quarts)	4.4
Engine coolant (quarts)	8.8
Maximum towing capacity (pounds)	
Trailer Tongue	1,000 100

Weights	3.5SE	3.5SL
Curb (pounds)		

Front 6M/T	2,084	-
Front 5A/T	2,123	2,126
Rear 6M/T	1,352	-
Rear 5A/T	1,350	1,366
Total 6M/T	3,436	-
Total 5A/T	3,473	3,492
Weight distribution (%)		
Front/rear	61/39	
GVWR (pounds)	4,546	

Volume (cubic feet)	
Passenger compartment	103.6
Cargo	15.5
Total	119.1

Estimated Fuel Economy	3.5SE	3.5SL
City (M/T / A/T)	20/20	20 (A/T only)
Highway (M/T / A/T)	29/28	27 (A/T only)
Classification	Mid-size	

Options	
<b>Premium Audio Package:</b> 320 watt Bose® audio w/ AM/FM/cassette/CD6, 8 speakers, RDS, and speed sensitive volume control	SE
<b>Sensory Package:</b> includes Premium Audio Package contents as well as leather-appointed seats, 4-way power passenger seat, heated front seats, heated mirrors and compass in rearview mirror	SE
<b>SE Driver Preferred Package:</b> includes Sensory Package contents as well as rear spoiler, xenon headlights, driver	SE

memory system: memory steering wheel, o/s mirror and drivers seat positioning, power tilt/telescopic steering wheel, electric folding o/s mirrors, driver seat power lumbar support, power entry/exit seat and heated steering wheel	
<b>SL Driver Preferred Package:</b> includes Sensory Package contents as well as driver memory system: memory steering wheel, o/s mirror and drivers seat positioning, power tilt/telescopic steering wheel, electric folding o/s mirrors, driver seat power lumbar support, power entry/exit seat and heated steering wheel	SL
<b>Elite Package:</b> includes Driver Preferred Package contents as well as 2-passenger rear seating, rear center console, auto up/down rear windows, rear power sunshade w/front and rear controls, heated rear seats and rear 12V power point	SE & SL
<b>Power Glass Sunroof:</b> replaces SkyView™	SE & SL
<b>Navigation Package</b>	SE & SL
<b>Vehicle Dynamic Control with Traction Control and full-size spare w/ alloy wheel:</b>	SE & SL (automatic only)
<b>Traction Control System (TCS):</b>	SE & SL

2/04