

For Immediate Release

2009 Nissan Altima Coupe Specifications

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

Mechanical

Engine	2.5 S	3.5 SE
Name	QR25DE	VQ35DE
Cam design	DOHC	
Orientation	Transverse	
Cylinders / configuration	I4	V6
Block / head composition	Aluminum/aluminum	
Displacement (liters)	2.5	3.5
Horsepower/PZEV	175 (FED) @ 5,600 RPM, 170 (CAL) @ 5,600 RPM	270 @ 6,000 RPM
Torque (lb-ft)	180 (FED) @ 3,900 RPM, 175 (CAL) @ 3,900 RPM	258 @ 4,400 RPM
Bore & stroke (mm)	89.0 x 100.0	95.5 x 81.4
Compression ratio (: 1)	9.6	10.3
Maximum engine speed	6,200 RPM	6,600 RPM
Induction system	Sequential multi-point electronic fuel injection	
Valvetrain	4 valves per cylinder; CVTCS	
Engine cover	S	
Engine mounts (4 mounts per vehicle)	2 fluid-filled, 2 solid w/ anti-torque rod	2 solid, 2 solid w/ anti- torque rod, 2 electronically-controlled
Recommended fuel	Regular unleaded	Premium unleaded
Emissions system	Oxygen sensor, catalyzer	
Emission certification level	Tier2 Bin5 (FED), LEV2-SULEV (CAL)	Tier2, Bin5 (FED), LEV2-ULEV (CAL)
Exhaust	Single exhaust	Dual exhaust

Electrical	
Ignition system	Electronic (direct ignition)
Starter	1.7 kW (1.4 kW for V6 6MT)
Alternator	110 amp (I4); 130 (V6)
Battery	12V

Transmission and Drive System		2.5 S		3.5 SE	
Drive configuration		Front-engine / front-wheel drive			
Transmission type		6-speed manual		S	
Continuously Variable Transmission (CVT)				O	
Traction Control System (TCS)		-		S	
Vehicle Dynamic Control (VDC)		-		O	
2-wheel limited slip (ABLS)		-		w/ VDC system	
Gear ratio		M/T 4-cyl.	M/T V6	CVT 4-cyl.	CVT V6
1 st		3.500	3.153	2.349	2.371
2 nd		1.950	1.950	↓	↓
3 rd		1.392	1.392		
4 th		1.055	1.055		
5 th		0.809	0.809		
6 th		0.673	0.630	0.394	0.439
Reverse		3.374	3.002	1.784	1.766
Final drive ratio (:1)		3.812	4.133	5.798	5.173

Brakes		2.5 S		3.5 SE	
Standard					
Front	Type	Vented disc			
Rotor size diameter and thickness (in.)		11.7 x 1.02			
Rear	Type	Self-adjusting, solid disc			
Rotor size diameter and thickness (in.)		11.5 x .35			
Brake control		Vacuum power-assisted			
Electronic Brake force Distribution (EBD)		S			
Anti-lock Braking System (ABS)		S			
Number of wheels		4			
Number of channels		4			
Number of sensors		4			
Parking brake		Hand brake on center console			

Steering		2.5 S		3.5 SE	
Type		Power rack-and-pinion			
Power assisted		Vehicle-speed variable assist			
Overall ratio (:1)		16.2			
Turns (lock-to-lock)		2.83		2.73	
Turning diameter (ft.)		34.7		36.1	
Steering Wheel	4-spoke Urethane	S		-	
	4-spoke Leather-wrapped	O		S	
Cruise control switches		S			
Audio switches		O		S	
Bluetooth switches		O			

Suspension			
Front		Independent strut w/ coil springs	
Stabilizer bar		S (23 mm)	
Rear		Multi-link independent suspension	
Stabilizer bar		S (17.3mm 2.5 S, 18.3mm 3.5 SE)	

Body / Chassis	
Type	Unibody
Materials (primary)	Corrosion-resistant and high-strength steel; aluminum (hood)

Exterior

Wheels & Tires		2.5 S	3.5 SE
Wheels			
Steel with bolt-on cover		S	-
Painted Aluminum-alloy		O	S
7.0JJ x 16		S	-
8.0JJ x 18			S
Tires			
Size	P215/60R16	S	-
	P235/45R18	-	S
Brand/Model		Continental ContiProContact	Michelin
Temporary spare tire	w/o VDC	T135/70D16	T135/70D16
	w/ VDC	-	T135/90D16
Location		Trunk	

Lights		2.5 S	3.5 SE
Headlights			
Type	Halogen	S	S
	Xenon	-	O
Auto on/off		O	S
Fog lights		O	S
Center high mount stop light		S	

Interior

Seating		2.5 S	3.5 SE
Capacity		5 passenger	
Materials			
Cloth		S	
Leather appointments		O	
Front seats	Type	Bucket	
Heated		O	
Driver seat	6-way manual	S	-
	8-way power	O	S
	Manual lumbar	O	S
Passenger seat	4-way manual	S	
Rear seats	Type	3-across bench	
60/40 split fold-down with lock		S	

Audio		2.5 S	3.5 SE
Head unit and speakers			
AM/FM/CD w/ 6 speakers		S	
Bose® with AM/FM/CD6, 9 speakers		O	
MP3/WMA Compatibility		O	

Speed sensitive audio volume control	O
Radio Data System (RDS)	O
XM [®] Satellite Radio	O

Instrumentation

Meters/gauges – Fine Vision illumination Speedometer Tachometer Coolant temperature Fuel level w/ fuel door opener direction	S
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Comfort & Convenience Features

	2.5 S	3.5 SE
Power windows		
Driver Auto up/down w/auto reverse		S
Passenger Auto up/down w/auto reverse	O	S
Power door locks w/auto locking system		S
Remote keyless entry system		S
Trunk opener		S
Key Fob Operated Window Auto up/down		S
Interior releases – trunk (power) and fuel filler door (cable)		S
Covered storage box		S
Center console w/ armrest, phone and CD storage		S
Cup holders		2 front, 2 rear
Bottle Holders		2 in doors
Glove box with valet switch and lock		S
Dual Zone Automatic Temperature Control		O
Premium interior finishers		O
Power sliding glass moonroof	O	S
Bluetooth [®] Hands-free Phone System		O
DVD-based Nissan Navigation System w/6.5-inch color monitor		O
RearView Monitor		O
Nissan Intelligent Key™		S
HomeLink [®] Universal Transceiver		O

Safety and Security

Passenger Restraint Systems

	2.5 S	3.5 SE
Nissan Advanced Air Bag System (AABS) with dual-stage supplemental front air bags with seat belt and occupant classification sensors		S
Front seat-mounted side impact supplemental air bags		S
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection		S
Outboard seat belts	Front Rear	3-point (ALR/ELR for passenger, ELR for driver) 3-point ALR/ELR
Inboard seat belts, rear		3-point ALR/ELR
Seatbelt pretensioners and load limiters		Front

LATCH System	
Front seat Active Head Restraints	

Passive Safety

Energy-absorbing steering column	S
Front and rear crumple zones	
Hood buckling creases and safety stops	
Rear crumple zones	
Knee bolsters	
Slide-away brake pedal assembly	
Break-away rear engine mount	
High-strength side door guard beams	
Body side reinforcements	
Power window lockout button	
Emergency inside trunk release	
Shift interlock system	

Security

2.5 S

3.5 SE

Locking steering wheel (when key removed)	S
Nissan Vehicle Immobilizer System	
Vehicle Security System	
Tamper proof door lock key cylinder	

Exterior (inches)

Wheelbase	105.3
Overall length	182.5
Overall width	70.7
Overall height	55.3
Track width	
Front	60.7
Rear	60.4
Trunk liftover height	26.2
Coefficient of drag (Cd)	0.32

Dimensions

Interior (inches)

Front

Back

Head room (w/o moonroof, w/moonroof)	39.7, 37.2	35.6, 35.6
Leg room	42.5	34.4
Hip room	54.2	47.6
Shoulder room	53.9	52.4

Weights

2.5 S

3.5 SE

Curb (pounds)			
Front	M/T	1,857	2,004
	CVT	1,905	2,073
Rear	M/T	1,219	1,235
	CVT	1,215	1,232
Total	M/T	3,076	3,241
	CVT	3,118	3,308
Weight distribution (%)	Front/Rear	61/39	63/37
GVWR (pounds)		4,295	4,586

Volume (cubic feet)	
Passenger compartment	89.7
Cargo	7.4
Total	97.2

EPA Fuel Economy		2.5 S	3.5 SE
<i>(Actual mileage may vary)</i>			
City	M/T	23	19
	CVT	23	19
Highway	M/T	32	27
	CVT	31	26
Classification		Subcompact	

Options	2.5 S	3.5 SE
Convenience Package: 16-inch aluminum-alloy wheels; 8-way power driver's seat with manual lumbar adjustment; auto on/off headlights; dual illuminated vanity mirrors w/ extensions; leather-wrapped steering wheel; steering wheel-mounted audio controls; auto up/down passenger window; auto window down function on keyfob; door key cylinder window up/down; trunk side net; wood grain trim finishers for Blonde interior	0	-
2.5 S Premium Package: Contents of Convenience Package plus leather-wrapped shifter knob; leather-appointed seats and door trim; heated front seats; Bose® 9-speaker audio system; MP3/WMA compatibility; XM™ Satellite Radio; Radio Data System (RDS); speed-sensitive volume; dual-zone automatic temperature control; auto-dimming inside rearview mirror; HomeLink® Universal Transceiver; compass; power sliding glass moonroof w/ tilt and sunshade; premium interior finishers (wood grain for Blonde, metallic for Charcoal); Bluetooth® Hands-free Phone System; illuminated console lighting	0	-

3.5 SE Premium Package: Leather-wrapped shifter knob; leather-appointed seats and door trim; High Intensity Discharge (HID) Xenon headlights; heated front seats; Bose® 9-speaker audio system; MP3/WMA compatibility; XM™ Satellite Radio; Radio Data System (RDS); speed-sensitive volume; dual-zone automatic temperature control; auto-dimming inside rearview mirror; HomeLink® Universal Transceiver; compass; premium interior finishers (wood for Blonde, metallic for Charcoal); Bluetooth® Hands-free Phone System; illuminated console lighting	-	O
Technology Package: Nissan Navigation System w/ 6.5-inch color monitor; RearView monitor	O	
Moonroof Package: Power-sliding glass moonroof w/ tilt and sunshade	O	S
Vehicle Dynamic Control (VDC) Package: VDC with Traction Control System (TCS)	-	O
Fog Lights	O	S

S – Standard

O – Optional