

For Release Feb. 1, 2007

2008 Nissan Armada Specifications

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

Mechanical

Engine	
Name	Endurance 5.6 V8
Type	VK56DE
Cam design	DOHC
Orientation	Longitudinally mounted
Cylinders / configuration	V8
Block / head composition	Aluminum / Aluminum
Displacement (liters)	5.6 liters
Horsepower	317 hp @ TBD
Torque (lb-ft)	385 lb-ft torque @ TBD
Bore & stroke (mm)	98 x 92
Compression ratio	9.8:1
Maximum engine speed	6,000 rpm
Induction system	Naturally aspirated
Valvetrain	32 valve; silent chain, single-stage
Engine mounts	Standard (non fluid-filled)
Recommended fuel	Regular unleaded
Flexible Fuel Capability (up to 85% ethanol, 15% gasoline)	0
Emissions system	Oxygen sensor with catalyzer
Emission certification level	LEV1-ULEV (Calif.), Tier2 - Bin8z (EPA)
Exhaust	Single exit / main & secondary mufflers

Electrical	SE		LE	
	4x2	4x4	4x2	4x4
Ignition system	Electronic			
Starter	12 volt			
Alternator	130 Amps			
Battery	650 Cold Cranking Amps (CCA)			
Trailer towing:				
7 pin trailer harness plug	S		-	
7 pin trailer harness plug with connector	O		S	

Transmission and Drive System		
Drive configuration	2WD and 4WD	
Transmission type	5-speed automatic with overdrive	
Gear ratio (: 1)	<u>2WD</u>	<u>4WD</u>
1 st	3.827	3.827
2 nd	2.368	2.368
3 rd	1.520	1.520
4 th	1.000	1.000
5 th	0.834	0.834
Reverse	2.613	2.613
Final drive ratio (: 1)	2.937	3.357
Transfer Case / Crawl Ratios	<u>4WD</u>	<u>Tow (H/L)</u>
Axle	2.937	3.357
4WD High	1.000	1.000
4WD Low	-	2.596
Crawl ratio: 1 st	11.240	12.85/33.35
Crawl ratio: 2 nd	6.955	7.95/20.64
Crawl ratio: reverse	2.04	2.33/6.05
Vehicle Dynamic Control (VDC)	S	

Brakes	SE		LE	
	4X2	4X4	4X2	4X4
Front Type	12.6 x 1.02			
Rotor size diameter and thickness (in.)				
Rear Type	12.6 x 0.63			
Rotor size diameter and thickness (in.)				
Brake Assist (BA)	S			
Electronic Brake force Distribution (EBD)	S			
ABS (4-wheel, 4-channel, 4-sensor)	S			
G-sensor	4WD			
Parking brake	Foot pedal			

Steering	
Type	Power rack-and-pinion
Power assisted	Engine-speed-sensitive
Overall ratio (: 1)	20
Turns (lock-to-lock)	3.6
Turning diameter (in feet)	40.8
Steering wheel	3-spoke leather wrapped w/ cruise controls and audio switches (heated steering wheel optional on LE)

Suspension	SE		LE	
	4X2	4X4	4X2	4X4
Shock Absorbers	KYB (twin-tube)			
Front	Double-wishbone			
Stabilizer bar	Yes			
Rear	Double-wishbone independent			
Stabilizer bar	Yes			
Automatic self-leveling	O		S	

Body / Chassis	
Type	Body-on-frame (fully boxed ladder-type)
Materials (primary)	Corrosion-resistant and high strength steel

Exterior

Wheels & Tires	SE		LE	
	4x2	4x4	4x2	4x4
Wheels				
18" x 8.0JJ aluminum-alloy, Painted finish	S		-	
20" x 8.0JJ aluminum-alloy, Machined finish	-		S	
P265/70R18 BSW Conti-Trac SUV tires	S		-	
P265/60R20 BSW Michelin SUV tires	-		S	
Spare tire (full-size)	S (Behind rear axle)			
Tire Pressure Monitor System (TPMS)				
Warning lamp (direct sensor-type)	S		S	
Warning display in Navi screen (requires Navi system)	-		O	

Lights	
Headlights	
Type	Halogen
Auto on/off	S
Fog lights (in front fascia)	O S
Center high mount stop light	S S

Interior

Seating	SE		LE	
	4x2	4x4	4x2	4x4
Capacity (Standard / Optional): SE - standard 2 nd row bench. LE - standard 2 nd row bucket seats.	8/7		7/8	
Materials				
Luxury seat cloth	S		-	
Leather appointments	O		S	

Seating (cont'd)	SE		LE	
	4x2	4x4	4x2	4x4
Front Seats				
Bucket seats				
w/ Integrated Armrests (non-ratchet)		S		S
Lumbar: Manual		S		S
Driver Side 4-way Power		S		-
Driver Side 8-way Power		O		S
Passenger Side 4-Way Power		-		S
Passenger Side 8-Way Power		O		O
Heated		-		S
Two-driver memory		-		S
Front seat Active Head Restraints		S		S
Fold Flat Passenger Seat		S		S
Seat Back Pockets		S		S
Driver Side		S		S
Passenger Side		-		-
2 nd Row Rear Seats				
2 captain's chairs		O		S
Split bench		S		O
Recline		S		S
Tip-up device for 3 rd row ingress/egress		S		S
Flat folding		S		S
Head restraint: RH & LH (cap'n chairs)*		S*		S*
Head restraint: LH, RH, CTR (bench seat)*		S*		S*
		* When equipped with the applicable seat type		
3 rd Row Rear Seats				
60/40 split 3 rd Row Bench Seat		S		S
Power folding		-		O
Flat folding into floor		S		S
Head restraint: LH & RH		S		S

Audio	SE		LE	
	4x2	4x4	4x2	4x4
Head unit and speakers				
AM/FM/mp3/CD6 with mid-switches, 8 speakers		S		-
Bose [®] audio system with Music Box hard drive, AM/FM/mp3/CD6 with 10 speakers, incl. subwoofer; dual media, 3 rd row speakers and amplifier, XM [®] satellite radio		O		S
Steering wheel & rear audio controls				S
Steering wheel controls: ASCD				S
Nissan Navigation System with XM [®] NavTraffic [™] with real-time traffic information (requires contract with XM [®] satellite radio)		-		O
In-glass audio & diversity antennas				S

Audio (cont'd)	SE		LE	
	4x2	4x4	4x2	4x4
Satellite radio pre-wiring			S	
DVD Entertainment System - 1 display screen in overhead console, 2 sets of wireless headphones, video port on DVD unit in console, 8-inch screen			O	

Instrumentation	SE		LE	
	4x2	4x4	4x2	4x4
Meters/Gauges				
Speedometer	Analog		S	
Tachometer	Analog			
Oil pressure	Analog			
Oil temperature	Analog			
Volts				
Tire pressure warning				
Shift position indicator				
Digital clock	Digital			
4WD indicator / warning	(4x4 only)			
Auto trans temp		O		S
Tire pressure display (included w/ navi)			O	

Convenience Features				
Bluetooth® Hands-Free Phone System			O (LE)	
Cruise control			S	
Automatic A/C			S	
Illuminated Key Ring			S	
Power windows			S	
Power Folding mirrors w/ heat, power adjust, auto dim and integrated turn signal			S (LE only)	
Driver/front passenger window one-touch auto up/down and safety reverse			S	
Power door locks w/ illuminated switches and Anti-Lockout system			S	
Overhead Console				
Without sunroof: map lamps/sunglass holder/storage bins/compass/outside temp./UGDO			S	
With sunroof: map lights lamps/sunglass holder/ storage bins/compass/outside temp./UGDO			S	
2 nd & 3 rd Row Console			S	
Remote keyless entry system			S	
Operates Power Liftgate		O		S

Passenger Restraint Systems (cont'd)	SE		LE	
	4x2	4x4	4x2	4x4
Seat Belts				
Front Row				
3-point ALR/ELR and dual pretensioners w/ load limiters			S	
2 nd Row & 3 rd Row				
3-point RH, LH, CTR with A/ELR, LATCH and upper tether anchor			S	
Power window lockout button			S	
LATCH system			S	
Child safety rear door locks			S	

Passive Safety				
Zone Body construction with front and rear crumple zones			S	
Body side reinforcements			S	
Energy absorbing steering column			S	
Hood buckling creases			S	
Knee bolsters			S	
Shift interlock system			S	

Security				
Steering wheel locks when key is removed			S	
Vehicle Security System (VSS)			S	
Immobilizer (NATS)			S	

Dimensions

Exterior (inches)	SE		LE	
	4x2	4x4	4x2	4x4
Wheelbase			123.2	
Overall length			207.7	
Overall width			79.3	
Overall height (2WD/4WD) with roof rack			77.2 / 78.0	
Tread width				
Front			67.5	
Rear			67.5	
Minimum ground clearance (w/ skid plate)			9.8 (4x2); 10.4 (4x4)	
Step-in height				
Front			20.9 (4x2); 21.6 (4x4)	
2 nd Row			21.5 (4x2); 22.2 (4x4)	
Angle of approach (degrees)			24.7 (4x2); 26.2 (4x4)	
Angle of departure (degrees)			21.8 (4x2); 22.7 (4x4)	
Ramp over angle (degrees)			9.3 (4x2); 9.6 (4x4)	

Interior (inches)		Front	2 nd Row	3 rd Row
Head room	w/out sunroof	41.0	40.0	35.9
Shoulder room		65.0	64.7	63.7
Hip room		61.4	60.8	48.8
Leg room		41.8	41.9	32.2
Cargo volume (cu. ft.)	Behind 3 rd row	20.0		
	With 2 nd row folded	56.7		
	2 nd & 3 rd rows folded	97.1		

Weights		SE		LE	
		4x2	4x4	4x2	4x4
Curb (pounds)	Total	5,372	5,661	5,558	5,841
Weight distribution (%)	Front/Rear	53/47		50/50	52/48
GVWR (pounds)		7,100	7,250	7,150	7,300

Capacities			
Fuel tank (gallons)		28.0	
Engine oil (quarts)		6.5	
Engine coolant (quarts)		12.3	
Maximum towing capacity (pounds)	Trailer Tongue	9,100 (4x2) 9,000 (4x4)	
(when properly equipped)		910 (w/tow SE) 900 (w/tow LE)	

EPA Estimated Fuel Economy		SE		LE	
		4x2	4x4	4x2	4x4
City	Gasoline	12	12	12	12
	Ethanol	9	9	9	9
Highway	Gasoline	18	18	17	17
	Ethanol	13	13	13	13
Classification		Full-size SUV			

Options	SE	LE
Driver Package - premium Bose® audio system w/ 10 speakers, steering wheel controls, midswitches and rear audio controller w/ transmitter; RearView monitor; Front fog lamps; Front sonar; Auto-dimming rearview mirror with Universal Garage Door Opener (UGDO), compass and outside temperature display, Power liftgate	0	-
Premium Package - includes all contents of Driver Package along with leather-appointed heated seats, Intelligent Key with twist start, side-impact airbags and 6-way power passenger seat	0	-
SE Tow Package – Receiver hitch w/ 7-pin wiring harness plug, heavy duty battery, lower final gear ratio (3.357) and rear self-leveling suspension	0	-

LE Preferred Package – Heated front seats, power quarter glass flip-out window, power folding electrochromic mirrors w/ puddle lamps and integrated turn signals, driver memory for mirrors pedals and seat, Bluetooth® hands-free phone system	-	0
Technology Package - Nissan Navigation System with XM® NavTraffic™ with real-time traffic information (requires contract with XM® satellite radio); Tire Pressure Monitoring System (TPMS); power 3 rd row seat; Heated steering wheel (requires preferred package)	-	0
LE Tow Package - Receiver hitch w/ 7-pin wiring harness plug, heavy duty battery and lower final gear ratio (3.357)	-	0
Sunroof Package - power tilt and glide sunroof	0	0
DVD Entertainment System: family entertainment system with 8-inch rear display, video port in center console, DVD changer and two wireless headphones	0	0
Captain's Chairs – 2 nd row captain's chairs (for a seating capacity of 7 vs. 8) and center console	-	0

Options (cont'd)	SE	LE
Tow Package: receiver hitch, lower final gear ratio (3.357), additional 7-pin wiring harness plug, trailer brake pre-wiring on I/P, A/T temp gauge, heavy duty battery and rear suspension levelizer	S (SE only)	-
2nd Row Captains Chairs: 2 nd row captain chairs and removable center console	O	-