

2009 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 @ 5,200 RPM
Torque (lb-ft)	385 lb-ft torque @ 3,400 RPM
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)	O
Emissions system	Oxygen sensor with catalyzer
Emission certification level	LEV1-ULEV (Calif.), Tier2 - Bin8z (EPA)
Exhaust	Single exit / main & secondary mufflers

Electrical

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

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	
Front Type	Vented disc
Rotor size diameter and thickness (in.)	13.8 x 1.2
Rear Type	Solid disc
Rotor size diameter and thickness (in.)	12.6 x 0.6
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 control and audio switches (heated steering wheel optional on LE)

Suspension	
Front Stabilizer bar	Double-wishbone 23 mm diameter
Rear Stabilizer bar Automatic self-leveling	Double-wishbone independent 22.2 mm diameter Opt. SE, Standard LE
Shock Absorbers	KYB (twin-tube)

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				
8JJx18-inch aluminum-alloy, Painted finish	S		-	
8JJx20-inch 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) Warning display in Navi screen (requires Navi system)	S		S	
	-		O	

Lights	SE		LE	
	4x2	4x4	4x2	4x4
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 - optional 2 nd row bucket seats	8		8/7	
Materials Luxury seat cloth Leather appointments	S		-	
	O		S	

Seating (cont.)	SE		LE	
	4x2	4x4	4x2	4x4
Front Seats				
Bucket seats	S		S	
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 Manual	S		-	
Passenger Side 4-Way Power	O		S	
Heated	O		O	
Two-driver memory	-		O	
Front seat Active Head Restraints	S		S	
Fold Flat Passenger Seat	S		-	
(deleted w/leather-appointed seats)	S		S	
Seat Back Pockets	-		-	
Driver Side				
Passenger Side				
2 nd Row Rear Seats				
2 captain's chairs	-		O	
Split bench	S		S	
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 11 speakers and subwoofer; dual media, amplifier and XM [®] Satellite Radio	O		S	
Steering wheel & rear audio controls			S	
Steering wheel controls: ASCD			S	
Nissan Navigation System with XM NAVTRAFIC [®] with real-time traffic information (XM [®] subscription required, sold separately)	-		O	

Audio (cont.)	4x2		4x4	
	4x2		4x2	4x4
In-glass audio & diversity antennas			S	
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 fluid temp			S	
Tire pressure display (included w/ navi)		-		O

Convenience Features	SE		LE	
	4x2	4x4	4x2	4x4
Bluetooth® Hands-free Phone System		-		S
Cruise control			S	
Dual-zone Automatic Temperature Control			S	
Illuminated key ring			S	
Power driver/passenger windows with front one-touch auto up/down (w/auto reverse)			S	
Heated outside mirrors			S	
Power folding mirrors w/power adjust, auto dim (driver's side only), puddle lamps and integrated turn signal		-		S
Power door locks w/ illuminated switches and anti-lockout system w/auto door lock speed-sensing function			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	

Convenience Features (cont.)		
Remote keyless entry system Operates Power Liftgate	S	
	O	S
Cup holders Front 4 on center console Bottle holder: 2 on door panel trim 2 nd Row 2 on back of front center console 2 on center armrest or RR center console Bottle holder: 2 on door panel trim 3 rd Row 2 on luggage trim	S	
	S	
	S	
	S	
	S	
Inside rearview mirror auto dimming	S	
Nissan Intelligent Key™ with Twist Start	O	S
RearView Monitor	O	S
HomeLink® Universal Transceiver	O	S
Power-adjustable foot pedals w/out memory w/ memory	S	S
	-	O
12V Power point: Front: I/P Mounted (2) 2 nd Row: Rear of front center console Cargo area: luggage trim panel	S	
	S	
	S	

Interior Trim	SE		LE	
	4x2	4x4	4x2	4x4
Roof trim	Molded tricot			
Inside door handles Painted Silver	S		S	
Door trim Front: cloth Front: Vinyl	S		-	
	O		S	
Door armrests Front: leather-appointed	O		S	
Door storage pockets Plastic	S			
Driver/passenger sun visors with illuminated vanity mirror, extender and sun visor	S			
Steering wheel Leather-wrapped Heated leather-wrapped	S		S	
	-		O	

Safety and Security

Passenger Restraint Systems	SE		LE	
	4x2	4x4	4x2	4x4
Air bags (SRS) Driver/ Passenger – w/ Advanced Air Bag System (AABS) Driver and passenger front seat-mounted side-impact air bags Roof-mounted curtain air bags for side-impact and rollover head protection-outboard 1 st , 2 nd , 3 rd row coverage	S			
	O		S	
	S			

Passenger Restraint Systems (cont.)	SE		LE	
	4x2	4x4	4x2	4x4
Front seat Active Head Restraints			S	
Child seat upper tether anchor			S	
Seat Belts				
Front Row			S	
3-point ALR/ELR and dual pretensioners w/ load limiters				
2 nd Row & 3 rd Row			S	
3-point RH, LH, CTR with A/ELR, LATCH and upper tether anchor				
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				
Energy absorbing steering column				
Hood buckling creases				
Knee bolsters				
Shift interlock system				

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

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 (without skid plate)	9.8	10.4	9.8	10.4
Step-in height				
Front	20.9	21.6	20.9	21.6
Rear	21.5	22.2	21.5	22.2
Angle of approach (degrees) w/o chin spoiler	24.7	26.2	24.7	26.2
Angle of departure (degrees)	21.8	22.7	21.8	22.7
Ramp over angle (degrees) w/o fuel tank skid plate	9.3	9.6	9.3	9.6

Interior (inches)		Front	2 nd Row	3 rd Row
Head room	without sunroof	41.0	40.0	35.9
Shoulder room		65.1	64.5	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) (when properly equipped)	Trailer Tongue
	9,100 (4x2) 9,000 (4x4) 910 (w/tow SE) 900 (w/tow LE)

EPA Estimated Fuel Economy		SE		LE	
		4x2	4x4	4x2	4x4
City / Highway – gasoline		12/18	12/17	12/18	12/17
City / Highway – FFV		9/13	9/13	9/13	9/13
Classification		Full-size SUV			

Options	SE	LE
Driver Package: premium Bose® audio system 11 speakers with steering wheel controls, midswitches, and rear audio controller w/ transmitter; XM® Satellite Radio (XM® subscription required, sold separately); 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 seats, 4-way power passenger seat, side-impact supplemental air bags, Nissan Intelligent Key™ with Twist Start	0	-

Technology Package: Nissan Navigation System with XM NavTraffic® with real-time traffic information (XM® subscription required, sold separately), heated steering wheel, power 3 rd row seat, Chrome Clad wheels	-	0
SE 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	0	-
Sunroof Package: power tilt and glide moonroof	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
2nd Row Captain Chairs: 2 nd row captain chairs and removable center console	-	0