

*Note: Information shown is based on data available at time of publication (September 1, 2009). Specifications are valid for Europe and may vary in other international markets. Vehicle model availability may change per individual markets.*

## Dodge Nitro

# SPECIFICATIONS

All dimensions are in millimeters (inches) unless otherwise noted.

### GENERAL INFORMATION

Body Style	Sport-utility vehicle
Construction	Steel uniframe
Assembly Plant	Toledo North Assembly Plant, Toledo, Ohio
Vehicle Segment	Multi-purpose vehicle

### ENGINE: 3.7-LITER SOHC V-6

Availability	Nitro SE and Nitro SXT
Type and Description	90-degree V-6, liquid-cooled w/balance shaft
Displacement	3700 cu. cm (225.8 cu. in.)
Bore x Stroke	93.0 x 90.8 (3.66 x 3.57)
Valve System	Chain-driven SOHC, 12 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Cast-iron block and bedplate, aluminum alloy heads, balance shaft
Compression Ratio	9.7:1
Power	151 kW (205 hp DIN) @ 5200 rpm
Torque	314 N•m (232 lb.-ft.) @ 4000 rpm
Max. Engine Speed	6000 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane
Oil Capacity	3.7 L (5.0 qt.)
Coolant Capacity	13.25 L (14.0 qt.)
Emission Controls	Two mini-oxidation three-way catalytic converters, four heated oxygen sensors, Exhaust-gas Recirculation (EGR) and internal engine features
Alternator	140-amp
Battery	600 CCA, maintenance-free
<b>Fuel Consumption</b>	
Urban Cycle	16.7 L/100 km
Ex-urban Cycle	9.2 L/100 km
Combined Cycle	12.0 L/100 km

### ENGINE: 4.0-LITER SOHC V-6

Availability	Optional SXT
Type and Description	60-degree bank angle, liquid-cooled, with three-plenum intake manifold, electronically controlled and short-runner valves
Displacement	3952 cu. cm (241.2 cu. in.)
Bore x Stroke	3.78 x 3.58 (96 x 91)
Valve System	SOHC, 24 valves, hydraulic, center-pivot roller rocker arms
Fuel Injection	Sequential, multiport, electronic

Construction	Semi-permanent molded aluminum block with cast-in iron liners and cast-aluminum heads
Compression Ratio	10.3:1
Power	191 kW (260 hp DIN) @ 6000 rpm
Torque	360 N•m (265 lb.-ft.) @ 4200 rpm
Max. Engine Speed	6000 rpm (electronically limited)
Fuel Requirements	Unleaded mid-grade, 89 octane—preferred, unleaded regular, 87 octane—acceptable
Oil Capacity	4.0 L (6.0 qt.) with dry filter
Coolant Capacity	13.5 L (14.3 qt.)
Emission Controls	Maniverter three-way catalytic converters, quad-heated oxygen sensors and internal engine feature
Alternator	140-amp
Battery	600 CCA, maintenance-free
<b>Fuel Consumption</b>	
Urban Cycle	15.2 L/100 km
Ex-urban Cycle	8.8 L/100 km
Combined Cycle	11.1 L/100 km

#### ENGINE: 2.8-LITER CRD TURBO DIESEL

Availability	Standard
Type and Description	Four cylinder in-line, common-rail diesel, turbocharged, intercooled
Displacement	2.8 L (2776 cc / 168.9 cu. in.)
Bore x Stroke	94 x 100 mm (3.7 x 3.94 in.)
Valve System	Belt driven DOHC, 16 valves, with finger followers, hydraulic lash adjusters
Fuel Injection	Generation III common rail, direct, electronic (1600 bar)
Construction	Cast-iron block, aluminum alloy heads
Compression Ratio	17.5:1
Power	130KW (177 hp DIN) @ 3800 rpm
Torque	460 N•m (339 lb-ft) @ 2000 rpm with five speed auto.; 410 N•m (302 lb-ft) @ 2000-2800 with six speed manual
Max. Engine Speed	4300 rpm, electronically limited
Fuel Requirement	Number 2 diesel (Ultra Low Sulphur)
Oil Capacity	6.0 L (6.3 qt.)
Coolant Capacity	13.4 L (14.2 qt.)
Emission Controls	Exhaust-gas Recirculation (EGR), catalytic converters, optional factory-installed diesel particulate filter available
<b>Fuel Consumption</b>	
Urban Cycle	A5: 11.2 L/100 km, M6: 10.5 L/100 km
Ex-urban Cycle	A5: 7.5 L/100 km, M6: 6.9 L/100 km
Combined Cycle (L/100 km)	A5: 8.9 L/100 km, M6: 8.3 L/100 km

**TRANSMISSION: 42RLE – AUTOMATIC FOUR-SPEED OVERDRIVE**

Availability	Standard with 3.7 L SOHC V-6
Description	Adaptive electronic control, electronically modulated torque converter clutch
<b>Gear Ratios</b>	
1 <sup>st</sup>	2.84
2 <sup>nd</sup>	1.57
3 <sup>rd</sup>	1.0
4 <sup>th</sup>	0.69
Reverse	2.21
Axle Ratio	3.73
Overall Top-gear	2.57

**TRANSMISSION: W5A580 – AUTOMATIC FIVE-SPEED OVERDRIVE**

Availability	Standard on 4.0 L SOHC V-6
Description	Adaptive electronic control, electronically modulated torque converter clutch
<b>Gear Ratios</b>	
1 <sup>st</sup>	3.59
2 <sup>nd</sup>	2.19
3 <sup>rd</sup>	1.41
4 <sup>th</sup>	1.0
5 <sup>th</sup>	0.83
Reverse	3.16
Axle	3.21 with 4.0-liter SOHC V-6
Overall Top-gear	2.66 with 4.0-liter SOHC V-6

**TRANSMISSION: NSG370 SIX-SPEED MANUAL**

Availability	Standard with diesel engine
Description	Six-speed, synchronized in all forward gears and reverse, multi-rail shift system with top-mounted shifter, dual-mass flywheel
<b>Gear Ratios</b>	
1st	4.459
2nd	2.614
3rd	1.723
4th	1.245
5th	1.0
6th	0.838
Reverse	4.062
Axle	3.21
Overall Top Gear	2.69

**TRANSFER CASE: MP 143 GII SINGLE-SPEED**

Availability	Included on 4WD
Type	Part-time, electronically shifted
Operating Ranges	2WD, 4WD lock, electronically controlled
Center Differential Type	None
Torque Split, F/R	50/50

**DIMENSIONS AND CAPACITIES**

Wheelbase	2763.0 (108.8)
Track, Front	1549.4 (61.0)
Track, Rear	1549.4 (61.0)
Overall Length	4544.0 (178.9)
Overall Width	1856.9 (73.1)
Overall Height	1775.8 (69.9)
Approach Angle	25.6°
Breakover Angle	22.0°
Departure Angle	26.7°
Aero CdA	11.6
Aero Cd	0.38
Fuel-tank Capacity	(73.8 L /19.5 gal. – Gas) / (70 L /18.5 gal. – Diesel)

**ACCOMMODATIONS**

Seating Capacity—F/R	2/3
<b>Front Row</b>	
Head Room	1032.1 (40.6)
Head Room with Sun Roof	971.9 (38.3)
Head Room with Open Roof	1059.5 (41.7)
Leg Room	1036.4 (40.8)
Shoulder Room	1452.2 (57.2)
Hip Room	1443.9 (56.8)
Seat Travel	229.1 (9.0)
Recliner Range, degrees	6.6° to 51.6°
SAE Interior volume, front	1.55 (54.8)
<b>Second Row</b>	
Head Room	1036.5 (40.8)
Leg Room	946.3 (37.7)
Knee Clearance	53.5 (2.1)
Shoulder Room	1433.4 (56.4)
Hip Room	1202.9 (47.4)
Recliner Range	21.5° to 33.5°
SAE Interior volume, rear	1.35 (47.7)

**Cargo**

Liftover Height	847.3 (33.3)
Minimum Cargo Width at Liftgate Opening	1118.5 (44.0)
Maximum Cargo Width at Liftgate Opening	1182.2 (46.5)
Minimum Cargo Height at Liftgate Opening	827.4 (32.6)
Maximum Cargo Height at Liftgate Opening	841.6 (33.1)
Distance Between Wheelhouse Interior Trim	1028.4 (40.5)
<b>Cargo Volume, cu. ft. (cu m)</b>	
Behind Rear Seat	0.9 (32.1)
With Rear Seat Folded	1.8 (64.7)
With Front-passenger seat and Rear Seats Folded	2.1 (75.6)

**BODY/CHASSIS**

Layout	Longitudinal front engine, rear-wheel drive or four-wheel drive
Construction	Steel uniframe

**SUSPENSION**

Front	Upper and lower "A" arms, coil springs, low-pressure gas-charged shock absorbers, stabilizer bar
Rear	Live axle, upper and lower trailing arms, track bar, coil springs, stabilizer bar, low-pressure gas-charged shock absorbers