

*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.*

## Jeep® Grand Cherokee SRT8® SPECIFICATIONS

Dimensions are in millimeters (inches) unless otherwise noted.

### GENERAL INFORMATION

Body Style	Four-door sport-utility vehicle
Construction	Steel unibody
Assembly Plants	Magna Steyr, Graz, Austria Jefferson Avenue North in Detroit
EPA Vehicle Class	Multi-purpose vehicle
Introduction Date	Fall 2005 as 2006 model

### ENGINE: 6.1-LITER HEMI® V-8

Availability	Standard
Type and Description	90-degree V-type, liquid-cooled
Displacement	6100 cu. cm (372 cu. in.)
Bore x Stroke	103.0 x 90.9
Valve System	Pushrod-operated overhead valves, 16 valves, 16 conventional hydraulic lifters, all with roller followers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.3:1
Power	313 kW (425 hp DIN) @ 6200 rpm
Torque	569 N•m (420 lb.-ft.) @ 4800 rpm
Max. Engine Speed	6400 rpm (electronically limited)
Fuel Requirement	91 octane (R+M)/2—recommended
Oil Capacity	6.6 L (7 qt.) with new filter
Coolant Capacity	13.25 L (14 qt.)
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features
Emission Class	Euro IV
<b>Fuel Consumption</b>	
Urban Cycle	21.8 L/100 km
Ex-urban Cycle	12.6 L/100 km
Combined Cycle	16.1 L/100 km

**TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC**

Availability	Standard
Description	Adaptive electronic control, performance-tuned Auto Stick driver-interactive manual control and 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>	1.00
5 <sup>th</sup>	0.83
Reverse	3.14
Final-drive Ratio	3.73
Overall Top-gear Ratio	3.1

**TRANSFER CASE: MD146 SRT**

Availability	Standard
Type	Single-speed
Operating Mode	Electronic on-demand 4x4
Low-range Ratio	None
Center Differential Type	Electronically controlled clutch pack torque transfer
Torque Split, Front/Rear	Fully variable

**FRONT AXLES**

Differential Type	Conventional
Availability	Standard
Ring Gear Diameter	200 (7.9)
Axle Ratios	3.73:1

**REAR AXLES**

Differential Type	Conventional
Availability	Standard
Ring Gear Diameter	226 (8.9)
Axle Ratios	3.73:1

**DIMENSIONS AND CAPACITIES**

Wheelbase	2781 (109.5)
Track, Front	1608 (63.3)
Track, Rear	1577 (62.1)
Overall Length	4953.3 (195.1)
Overall Width (width at mirrors)	2138.7 (84.3)
Overall Height	1694.2 (66.7)

**Ground Clearance**

Chassis (Fuel Tank)	215.9 (8.5)
Front Axle	190.5 (7.5)
Rear Axle	177.8 (7.0)
Frontal Area, sq. m (sq. ft.)	2.82 (30.3)
Fuel Tank Capacity, L (gal.)	77.6 (20.5)
Curb Weight, kg (lbs.)	2186 (4819)
Gross Vehicle Weight, kg (lbs.)	2790 (6150)
Maximum Trailer Mass (braked), kg (lbs.)	1585 (3494)
Maximum Trailer Mass (unbraked), kg (lbs.)	750 (1653)
Maximum Tongue Load, kg (lbs.)	140 (309)
Maximum Roof Rack Load, kg (lbs.)	68 (150)

**ACCOMMODATIONS**

Seating Capacity, Front/Second	2/3
<b>Front</b>	
Head Room	1008 (39.7)
Leg Room	1058 (41.7)
Shoulder Room	1502 (59.1)
Hip Room	1451 (57.6)
Seat Travel	270 (10.6)
<b>Rear</b>	
Head Room	999 (39.3)
Leg Room	901 (35.5)
Shoulder Room	1584 (58.5)
Hip Room	1163.7 (45.8)
Knee Clearance	36.6 (1.44)
Couple	838.2 (33.0)
DIN Cargo Volume, cu. m (cu. ft.)	1.14 (34.5) behind rear seat 2.0 (67.4) behind front-row seats with rear seats folded

**BODY**

Layout	Longitudinal front engine, transfer case with electronic on-demand four-wheel drive
Construction	Steel unibody

**SUSPENSION**
**SRT-tuned Front and Rear**

Front	Short/long independent (SLA), coil springs, gas-charged, monotube coil over shock absorbers, upper and lower control arms ("A" arms), stabilizer bar
Rear	Live axle, link-coil with track bar, gas-charged monotube shock absorbers, stabilizer bar