

## PRELIMINARY TECHNICAL SPECIFICATIONS

### **New Jeep® Grand Cherokee outside North America**

*The information shown is based on data available at the time of publication (August 10, 2007) and is subject to change without notice. Specifications are valid for Europe and may vary in other international markets.*

#### **General Information**

Body Style	Four-door sport-utility vehicle
Assembly Plant	Magna Steyr, Graz, Austria

#### **Engines**

##### **3.7-litre Petrol Engine**

Availability	Standard on Jeep Grand Cherokee Laredo
Type and Description	V-6, 90-degree, SOHC, liquid-cooled with balance shaft
Displacement	3.7 litres (3700cc / 226 cu. in.)
Bore x Stroke	93 x 90.8mm (3.66 x 3.57 in.)
Compression Ratio	9.1:1
Maximum Power	148 kW (201 hp DIN) @ 5100 rpm
Maximum Torque	315 Nm (232 lb.-ft.) @ 3900 rpm
Emission Class	Euro IV

##### **4.7-litre Petrol Engine**

Availability	Standard on Jeep Grand Cherokee Limited
Type and Description	V-8, 90-degree, SOHC, liquid-cooled
Displacement	4.7 litres (4701cc / 287 cu. in.)
Bore x Stroke	93 x 86.5mm (3.66 x 3.41 in.)
Compression Ratio	9.8:1
Maximum Power	223 kW (303 hp DIN) @ 5650 rpm
Maximum Torque	445 Nm (328 lb.-ft.) @ 3950 rpm
Emission Class	Euro IV

##### **5.7-litre Petrol Engine**

Availability	Available on Jeep Grand Cherokee Limited, standard on Overland
Type and Description	V-8, 90-degree, liquid-cooled
Displacement	5.7 litres (5654cc / 345 cu. in.)
Bore x Stroke	99.5 x 90.9mm (3.92 x 3.58 in.)
Compression Ratio	9.6:1
Maximum Power	246 kW (334 hp DIN) @ 5000 rpm
Maximum Torque	509 Nm (375 lb.-ft.) @ 4000 rpm
Emission Class	Euro IV

### **6.1-litre Petrol Engine**

Availability	Standard on Jeep Grand Cherokee SRT8
Type and Description	V-8, 90-degree, liquid-cooled
Displacement	6.1 litres (6059cc / 370 cu. in.)
Bore x Stroke	103 x 90.9mm (4.06 x 3.58 in.)
Compression Ratio	10.3:1
Maximum Power	313 kW (426 hp DIN) @ 6200 rpm
Maximum Torque	569 Nm (420 lb.-ft.) @ 4800 rpm
Emission Class	Euro IV

### **3.0-litre Turbo Diesel Engine**

Availability	Optional on Jeep Grand Cherokee Laredo, Limited and Overland
Type and Description	V-6, 72-degree, DOHC, 24-valve, liquid-cooled, turbocharged
Displacement	3.0 litres (2987cc / 182 cu. in.)
Bore x Stroke	83 x 92mm (3.27 x 3.62 in.)
Compression Ratio	18.0:1
Maximum Power	160 kW (218 hp DIN) @ 4000 rpm
Maximum Torque	510 Nm (376 lb.-ft.) @ 1600-2400 rpm
Emission Class	Euro IV

### **Transmissions**

#### **Five-speed Automatic**

Availability	Standard with 3.7-litre V-6 and 6.1-litre V-8 engines
Description	W5A580: Five-speed, overdrive, adaptive electronic control, electronically modulated converter clutch

#### **Five-speed Automatic**

Availability	Standard with 4.7-litre and 5.7-litre V-8 engines
Description	545RFE: Five-speed, overdrive, adaptive electronic control, electronically modulated converter clutch

#### **Five-speed Automatic**

Availability	Standard with 3.0-litre turbo diesel V-6
Description	W5J400: Five-speed, overdrive, adaptive electronic control, electronically modulated converter clutch

### **Drivetrain**

#### **SRT Transfer Case**

Availability	Standard on Jeep Grand Cherokee SRT8
Type	NV146: Single-speed, full-time

Operating Ranges	4WD High
Torque Split	Full variable

### **Quadra-Trac II® Transfer Case**

Availability	Standard on Jeep Grand Cherokee Laredo, Limited and Overland
Type	NV245: Two-speed, full-time, electronic shift
Operating Ranges	4WD Auto, Neutral, 4WD Low
Torque Split (front/rear)	48/52 per cent
Low-range Ratio	2.72:1

### **Chassis and Running Gear**

Front Suspension	Independent front suspension with short, long A-arms, coil springs, gas-charged shock absorbers, stabiliser bar
Rear Suspension	Multi-link with coil springs (upper and lower trailing arms, track bar) on a live axle, stabiliser bar and gas-charged shock absorbers
Steering Type	Power rack-and-pinion
Wheels and Tyres (standard fit)	Laredo: 17 x 7.5 in. with 245/65R17 all-season Limited: 17 x 7.5 in. with 245/65R17 all-season Overland: 18 x 7.5 in. with 245/65R18 all-season performance
Brakes	Four-wheel disc brakes; ABS with rough-road detection

### **Dimensions and Accommodations**

*Dimensions are in millimetres (inches) unless otherwise noted.*

Overall Length	4776.1 (188)
Overall Width	2138.7 (84.3) without mirrors
Overall Height	1751.1 (68.9)
Wheelbase	2781 (109.5)
Track, Front	1575 (62)
Track, Rear	1575 (62)
Seating Capacity	Two front, three rear

### **Cargo Compartment Volume (SAE standard)**

Behind rear seat	1140L (34.53 cu. ft.)
Behind front seat, rear seat folded	2000L (67.4 cu. ft.)