



# Grand Cherokee

## SPECIFICATIONS

## 2014 Jeep® Grand Cherokee

### SPECIFICATIONS

Specifications are for U.S. models only and are based on the latest product information available at the time of publication. All dimensions are in inches (millimeters) unless otherwise noted. All dimensions measured at curb weight with standard tires and wheels.

#### GENERAL INFORMATION

Vehicle Type	Four-door sport-utility vehicle
Assembly Plant	Jefferson Avenue North Assembly Plant, Detroit, Mich.
EPA Vehicle Class	Multi-purpose vehicle
Introduction Date	Spring 1992 as a 1993 model

#### BODY/CHASSIS

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

#### ENGINE: 3.6-LITER DOHC V-6

Availability	Standard on all models
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3604 cu. cm)
Bore x Stroke	3.77 x 3.26 (96 x 83)
Valve System	Chain-driven DOHC, 24 valves and hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	10.2:1
Power (est.) (SAE J2723)	290 hp (209 kW) at 6,400 rpm
Torque (est.) (SAE J2723)	260 lb.-ft. (353 N•m) at 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	6.0 qt. (5.7 liter)
Coolant Capacity	14.0 qt. (13.25 liter)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features <sup>(a)</sup>
Max. Gross Trailer Weight	6,200 lbs. — 2WD and 4WD
EPA Fuel Economy mpg (city/hwy)	17/25 — 2WD 17/24 — 4WD
Assembly Plant	Trenton South Engine Plant, Trenton, Mich.



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### ENGINE: 5.7-LITER DOHC V-8

Availability	Optional on all models
Type and Description	90-degree V-type, liquid-cooled
Displacement	345 cu. in. (5654 cu. cm)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
Valve System	Variable-valve timing (VVT), pushrod-operated overhead valves, 16 valves, eight deactivating and eight 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	10.5:1
Power (est.) (SAE J2723)	360 hp (268 kW) at 5,150 rpm
Torque (est.) (SAE J2723)	390 lb.-ft. (520 N•m) at 4,250 rpm
Max. Engine Speed	5,800 rpm (electronically-limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — recommended; unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	7 qt. (6.6 liter)
Coolant Capacity	14.5 qt. (13.72 liter)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features <sup>(a)</sup>
Max. Gross Trailer Weight	7,200 lbs. (4x4) and 7,400 lbs. (4x2)
EPA Fuel Economy mpg (city/hwy)	14/22 — 2WD 14/20 — 4WD
Assembly Plant	Trenton South Engine Plant, Trenton, Mich.

(a) Meets Calif. LEV II+ evaporative emission requirements in CA, NY, MA, ME, VT and Federal Bin 5+ Tier II emissions and Clean Fuel Fleet Certification (CCF).

### ENGINE: 3.0-LITER DOHC ECODIESEL V-6

Availability	Optional on Limited, Overland and Summit
Type and Description	60-degree V-type, liquid-cooled
Displacement	182 cu. in. (2988 cu. cm)
Bore x Stroke	3.27 x 3.60 (83 x 92)
Valve System	Chain-driven DOHC, 24 valves
Fuel Injection	Common-rail, 2000 bar, Solenoid Injectors
Construction	Iron block, aluminum alloy heads
Compression Ratio	16.5:1
Power (est.) (SAE J2723)	240 hp (179 kW) at 3,600 rpm
Torque (est.) (SAE J2723)	420 lb.-ft. (569 N•m) at 2,000 rpm



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Max. Engine Speed	4,800 rpm (electronically limited)
Fuel Requirement	Ultra Low-sulfur diesel
Oil Capacity	8.2 qt. (7.8 liter)
Coolant Capacity	12 qt. (11.4 liter)
Emission Controls	Cooled EGR, Oxidation catalyst, Diesel particulate filter, SCR w/urea injection
Max. Gross Trailer Weight	7,400 lbs. (4x2) 7,200 lbs. (4x4)
EPA Fuel Economy mpg (city/hwy)	22/30 — 2WD 21/28 — 4WD
Assembly Plant	VM Motori Cento, Ferrara, Italy

### TRANSMISSION: ZF AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard on all models
Description	Driver-interactive manual control via steering wheel paddle shifters and electronically-modulated torque converter clutch
Gear Ratios	
1st	4.714
2nd	3.143
3rd	2.106
4th	1.667
5th	1.285
6th	1.000
7th	0.839
8th	0.667
Reverse	3.295

### TRANSFER CASE: MP 3010

Availability	Optional with V-6
Type	Single-speed
Operating Mode	Full-time AWD
Low Range Ratio	None
Torque Split, Front/Rear	50/50



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### TRANSFER CASE: MP 3022

Availability	Optional with the V-6, V-8 and EcoDiesel engines
Type	Two-speed, electronically shifted
Operating Modes	4x4 Low (Lock), Neutral; full-time active 4x4
Low Range Ratio	2.72
Torque Split, Front/Rear	Variable

### AXLES

#### Front

Differential Type	Conventional
Availability	Standard on 4x4 models
Ring Gear Diameter	7.7 (195)
Axle Ratios	3.45:1 — V-6 and EcoDiesel; 3.09:1 — V-8

#### Rear

Differential Type	Conventional (Optional Electronic Limited Slip on V-8 and EcoDiesel)
Availability	Standard on all engines
Ring Gear Diameter	8.4 (215) — 3.6-liter 4x4 engine, 8.9 (225) — 5.7-liter engine, EcoDiesel & 3.6-liter 4x2 engine
Axle Ratios	3.45:1 — V-6 and EcoDiesel; 3.09:1 — V-8

### ELECTRICAL SYSTEM

Alternator	160-amp; 180-amp or 220-amp depending on option content
Battery	Maintenance Free (H7 700 CCA-Gas / H8 800 CCA –Diesel)

### SUSPENSION

Front	Short- and long-arm independent (SLA), coil springs, gas-charged, twin-tube coil-over shock absorbers, upper- and lower-control arms (“A” arms), stabilizer bar
Rear	Multi-link rear suspension, coil spring, twin tube shocks (including load leveling for towing), aluminum lower control arm, independent upper links (tension and camber) plus a separate toe link



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### STEERING

Type	Power rack and pinion (V-8), electro-hydraulic power steering (V-6 and EcoDiesel)
Overall Ratio	18.9:1 — on center; 15.7:1 — at full lock
Turning Diameter (curb-to-curb) (ft./m)	37.1 (11.3)
Steering Turns (lock-to-lock)	3.67
P/S pump	Electro-hydraulic on V-6 & EcoDiesel, hydraulic on V-8

### BRAKES

Type	Power, single-rate, tandem diaphragm vacuum, ABS
Availability	Standard
Front	
Rotor size and type	12.9 x 1.2 (328 x 30) vented disc
Caliper size and type	1.89 (48) two-piston pin-slider caliper
Swept area, (sq. in. / sq. cm)	282 (1820)
Rear	
Rotor size and type	12.6 x 0.55 (320 x 14) disc
Caliper size and type	1.89 (48) single-piston pin-slider caliper
Swept area, (sq. in. / sq. cm)	257 (1658)
Three-channel ABS standard on 4x2. Four channel ABS standard on 4x4.	

### DIMENSIONS AND CAPACITIES

Wheelbase	114.8 (2915)
Track, Front	63.9 (1623)
Track, Rear	64.1 (1627)
Overall Length	189.8 (4822)
Overall Width (Width at Mirrors)	84.8 (2154)
Body Width	76.5 (1943)
Overall Height (at Roof Rail / at Antenna)	69.3 (1761) / 70.0 (1779)
Load Floor Height	32.4 (822) — standard suspension/ 31.8 (807) — air suspension
Sill Step Height	20.5 (520) — standard suspension/ 20.0 (508) — air suspension
Ground Clearance (with P245/70R17 Tire and 3.6-liter engine)	8.6 (218) — standard suspension/ 10.4 (264) — air suspension (Pos#2)
Chassis (Fuel Tank)	9.6 (243) — standard suspension/ 10.7 (271) — air suspension (Pos#2)
Front Axle	9.3 (236) — standard suspension/ 9.7 (246) — air suspension (Pos#2)
Rear Axle	10.0 (253) — standard suspension/ 11.1 (282) — air suspension (Pos#2)



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Approach Angle (degrees)	26.3 — standard suspension/ 36.1 — air suspension (Pos#2, air-dam off)
Ramp Breakover Angle (degrees)	19.0 — standard suspension/ 22.8 — air suspension (Pos#2)
Departure Angle (degrees)	24.0 — standard suspension/ 27.1 — air suspension (Pos#2)
Frontal Area sq. ft. (sq. m)	31.0 (2.88)
Drag Coefficient	0.371
Aero CdA	11.5 (Cd x cross-sectional area)
Fuel Tank Capacity, (gallons / liter)	24.6 (93.1)

### ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	105.4 (2.98)
Front	
Head Room	39.9 (1013)
Legroom	40.3 (1025)
Shoulder Room	58.7 (1491)
Hip Room	57.0 (1449)
Seat Travel	11.0 (280)
EPA Front Volume Index (cu. ft. / cu. m)	54.6 (1.55)
Rear	
Head Room	39.2 (995)
Legroom	38.6 (981)
Knee Clearance	4.3 (110)
Shoulder Room	58.0 (1474)
Hip Room	56.2 (1428)
EPA Rear Seat Volume Index (cu. ft. / cu. m)	50.8 (1.4)
Maximum Cargo Volume (cu. ft. / cu. m)	68.3 (1.93)
Behind Second-row Seats (cu. ft. / cu. m)	36.3 (1.03)
Total Passenger plus Cargo Volume (cu. ft. / cu. m)	140.5 (3.98)



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### WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR <sup>(a)</sup> lbs. (kg)	CURB WEIGHT <sup>(b)</sup> lbs. (kg)	PAYLOAD <sup>(c)</sup> lbs. (kg)	
<b>2WD</b>	Laredo	3.6-liter	6500 (2948)	4545 (2062)	1180 (535)	
		3.6-liter	6500 (2948)	4685 (2125)	1160 (525)	
	Limited	5.7-liter	6500 (2948)	4897 (2221)	1170 (530)	
		3.0-liter EcoDiesel	6500 (2948)	5065 (2297)	1160 (525)	
	Overland	3.6-liter	6500 (2948)	4754 (2156)	1090 (495)	
		5.7-liter	6500 (2948)	4981 (2259)	1090 (495)	
		3.0-liter EcoDiesel	6500 (2948)	5208 (2362)	1090 (495)	
	Summit	3.6-liter	6500 (2948)	4725 (2143)	1090 (495)	
		5.7-liter	6500 (2948)	4968 (2254)	1090 (495)	
		3.0-liter EcoDiesel	6500 (2948)	5149 (2336)	1090 (495)	
	<b>4WD</b>	Laredo	3.6-liter	6500 (2948)	4677 (2121)	1320 (600)
			3.6-liter	6500 (2948)	4875 (2211)	1270 (580)
Limited		5.7-liter	6800 (3084)	5135 (2329)	1290 (585)	
		3.0-liter EcoDiesel	6800 (3084)	5275 (2393)	1270 (580)	
Overland		3.6-liter	6500 (2948)	4984 (2261)	1150 (520)	
		5.7-liter	6800 (3084)	5250 (2381)	1150 (520)	
		3.0-liter EcoDiesel	6800 (3084)	5393 (2446)	1170 (530)	
Summit		3.6-liter	6500 (2948)	4955 (2247)	1050 (475)	
		5.7-liter	6800 (3084)	5219 (2367)	1050 (475)	
		3.0-liter EcoDiesel	6800 (3084)	5374 (2437)	1050 (475)	

(a) Gross Vehicle Weight Rating.

(b) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.

(c) Payload is the maximum allowable weight of driver, passengers, cargo, and options, rounded to the nearest 10 lbs. (5kg).

### WEIGHT DISTRIBUTION, F/R

	MODEL	ENGINE	DISTRIBUTION
<b>2WD</b>	Laredo	3.6-liter	52/48
		3.6-liter	51/49
	Limited	5.7-liter	53/47
		3.0-liter EcoDiesel	53/47
	Overland	3.6-liter	51/49
		5.7-liter	52/48
		3.0-liter EcoDiesel	52/48
	Summit	3.6-liter	50/50
		5.7-liter	52/48
		3.0-liter EcoDiesel	52/48



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4WD			
	Laredo	3.6-liter	53/47
		3.6-liter	52/48
	Limited	5.7-liter	54/46
		3.0-liter EcoDiesel	54/46
	Overland	3.6-liter	52/48
		5.7-liter	53/47
		3.0-liter EcoDiesel	53/47
	Summit	3.6-liter	51/49
		5.7-liter	53/47
		3.0-liter EcoDiesel	53/47

### TIRES

#### Standard — Laredo

Size and Type	P245/70R17
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season — OWL Optional
Revs per Mile	685

#### Standard — Limited; Optional — Laredo

Size and Type	P265/60R18
Mfr. and Model	Michelin Latitude Tour Black Sidewall All-Season
Revs per Mile	691

#### Standard — Overland; Optional — Limited

Size and Type	P265/50R20
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season
Revs per Mile	690

#### Optional — Laredo, Limited and Overland

Size and Type	P265/60R18
Mfr. and Model	Michelin Latitude Tour Black Sidewall All-Season
Revs per Mile	691

#### Standard — Summit

Size and Type	P265/50R20
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season
Revs per Mile	690

Parking Brake Type	Drum-in-hat
Four-wheel Anti-lock Brakes	Standard
Electronic stability control	Standard
All-speed traction control	Standard
Brake Assist	Standard





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### TRAILER TOWING

	Engine	Axle Ratio	Maximum Trailer Weight lbs. (kg)
2WD	3.6-liter V-6	3.45	6200 (2818)
	5.7-liter V-8	3.09	7400 (3400)
	3.0-liter EcoDiesel V-6	3.45	7400 (3400)
4WD	3.6-liter V-6	3.45	6200 (2818)
	5.7-liter V-8	3.09	7200 (3300)
	3.0-liter EcoDiesel V-6	3.45	7200 (3300)

