2011 Jeep® Grand Cherokee
PRELIMINARY SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted. All dimensions are measured at curb weight with standard tires and wheels.

Note: Information shown is correct at time of publication, and is subject to change without notice.

GENERAL INFORMATION

Body Style	Four-door sport-utility vehicle
Construction	Steel uniframe
Assembly Plant	Jefferson Avenue North, Detroit
EPA Vehicle Class	Multi-purpose vehicle

ENGINE: 3.6-LITER DOHC V-6

Availability	Standard on all Models (2WD and 4WD)
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3604 cu. cm) 3.78 x 3.27 (96.0 x 83.0)
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)	280 hp (209 kW) @ 6,400 rpm
Torque (est.) (SAE J2723)	260 lb.-ft. (353 N•m) @ 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. (5.7L)
Coolant Capacity	14.0 qt. (13.25L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features[(a)]
Estimated EPA Fuel Economy mpg (City/Hwy)	16/23—2WD 16/22—AWD
Assembly Plant	Trenton South Engine Plant, Trenton, MI

(a) Meets Calif. LEV II+ evaporative emission requirements in CA, NY, MA, ME, VT Meets Tier 2, meets Federal Bin 4+ emission requirements and Clean Fuel Fleet Certification (CCF-LEV) in all other 45 states.

ENGINE: 5.7-LITER HEMI® V-8

Availability	Optional- Laredo, Limited & Overland (2WD and 4WD)
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, 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) @ 5,150 rpm
Torque (est.) (SAE J2723)	390 lb.-ft. (520 N•m) @ 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. (6.6L)
Coolant Capacity	14.5 qt. (13.72L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features[a]
Estimated EPA Fuel Economy mpg (City/Hwy)	14/20—2WD 13/19—4WD
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

(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).

TRANSMISSION: W5A580 AUTOMATIC, FIVE-SPEED OVERDRIVE

Availability	Included with 3.6-liter V-6 engine
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	3.59
2nd	2.19
3rd	1.41
4th	1
5th	0.83
Reverse	3.16
Final Drive Ratio	3.06:1
Overall Top Gear	2.54

TRANSMISSION: 545RFE AUTOMATIC, MULTI-SPEED

Availability	Included with 5.7-liter engine
Description	Three planetary gear sets, one overrunning clutch, with Electronic Range Select (ERS) driver interactive control, electronically controlled torque converter clutch
Gear Ratios	
1st	3
2nd	1.67—upshift; 1.50—kick-down
3rd	1
4th	0.75
5th	0.67
Reverse	3
Final Drive Ratio	3.47
Overall Top Gear	2.32

TRANSFER CASE: MP 3010	
Availability	Optional with 3.6-liter engine
Type	Single-speed
Operating Mode	Full-time AWD
Low Range Ratio	None
Torque Split, Front/Rear	50/50

TRANSFER CASE: MP 3022	
Availability	Optional with the 3.6 liter and 5.7-liter engine
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

FRONT AXLES	
Differential Type	Conventional
Availability	Standard on 4x4 models with 3.6-liter and 5.7-liter engines
Ring Gear Diameter	7.7 in. (195 mm)
Axle Ratios	3.06:1—3.6-liter engine; 3.47:1—5.7-liter engine

REAR AXLES	
Differential Type	Conventional
Availability	Standard on all engines
Ring Gear Diameter	8.4 in. (215 mm) – 3.6 liter engine, 8.9 in. (225 mm) – 5.7 liter engine
Axle Ratios	3.06:1—3.6-liter engine; 3.47:1—5.7-liter engine
Differential Type	Electronic Limited Slip Differential (late availability)
Availability	Optional on 4x4 models with MP 3022 transfer case
Ring Gear Diameter	Same as conventional
Axle Ratios	3.47—5.7-liter engine

ELECTRICAL SYSTEM	
Alternator	160-amp; 180-amp or 220 amp depending on option content.
Battery	Group 65 maintenance-free 750CCA

DIMENSIONS AND CAPACITIES	
Wheelbase	114.8 (2915)
Track, Front	63.9 (1623)
Track, Rear	64.1 (1627)
Overall Length	189.8 (4821.8)
Overall Width (Width at Mirrors)	84.8 (2154)
Body Width	76.3 (1937.6)
Overall Height (at Roof Rail / at Antenna)	69.4 (1761.8) / 71.7 (1820.8)
Load Floor Height (Std Susp. / Air Susp)	32.4 (821.9) / 31.9 (810.5)
Sill Step Height (Std Susp. / Air Susp)	20.5 (521.1) / 20.2 (513.5)
Ground Clearance (with P245/70R17 Tire and 3.6L Engine) (Std Susp. / Air Susp – Pos#2)	8.7 (220.0) / 11.6 (296.0)
Chassis (Fuel Tank) (Std Susp. / Air Susp – Pos#2)	9.5 (241.7) / 12.5 (317.7)
Front Axle (Std Susp. / Air Susp – Pos#2)	8.5 (216.7) / 11.5 (292.7)
Rear Axle (Std Susp. / Air Susp – Pos#2)	10.2 (258.3) / 13.2 (334.3)
Approach Angle (Std Susp. / Air Susp – Pos#2, air-dam off)	26.3 degrees / 35.9 degrees
Ramp Breakover Angle (Std Susp. / Air Susp – Pos#2)	19.0 degrees / 25.1 degrees
Departure Angle (Std Susp. / Air Susp – Pos#2)	26.4 degrees / 29.2 degrees
Frontal Area	31.0 sq. ft. (2.88 sq. m)
Drag Coefficient	Approximately 0.37
Aero	11.6 (cd x cross-sectional area)
Fuel Tank Capacity	24.6 gal. (93.1L)

ACCOMMODATIONS	
Seating Capacity, Front/Second	2/3
Front Seat	
Head Room	40.0 (1015.8)
Leg Room	40.3 (1024.5)
Shoulder Room	58.6 (1488.6)
Hip Room	57.0 (1450)
Seat Travel	11.4 (290)
SAE Volume	54.7 cu. ft. (1.55 cu. m)
Rear Seat	
Head Room	39.3 (999)
Leg Room	38.6 (980)
Shoulder Room	58.0 (1474.3)
Hip Room	56.5 (1435.2)
Knee Clearance	4.3 (110.0)
Couple	34.6 (880)

SAE Volume	50.9 cu. ft. (1.4 cu. m)
Cargo Volume	
Behind Rear Seat	36.3 cu. ft. (1.03 cu. m)
Behind Front-row Seats with Rear Seats Folded	68.3 cu. ft. (1.93 cu. m)

WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR[(a)] lbs. (kg)	CURB WEIGHT[(b)] lbs. (kg)	PAYLOAD[(c)] lbs. (kg)
2WD	Laredo	3.6-liter	6500 (2948)	4470 (2028)	2030 (920)
		5.7-liter	6500 (2948)	4780 (2169)	1720 (780)
	Limited	3.6-liter	6500 (2948)	4600 (2087)	1900 (860)
		5.7-liter	6500 (2948)	4920 (2232)	1580 (715)
	Overland	5.7-liter	6500 (2948)	4920 (2232)	1580 (715)
4WD	Laredo	3.6-liter	6500 (2948)	4660 (2114)	1840 (835)
		5.7-liter	6500 (2948)	5020 (2278)	1480 (670)
	Limited	3.6-liter	6500 (2948)	4850 (2201)	1650 (750)
		5.7-liter	6800 (3084)	5150 (2336)	1660 (750)
	Overland	5.7-liter	6800 (3084)	5210 (2364)	1590 (720)

(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
2WD	Laredo	3.6-liter	51/49
		5.7-liter	54/46
	Limited	3.6-liter	51/49
		5.7-liter	53/47
	Overland	5.7-liter	54/46
4WD	Laredo	3.6-liter	53/47
		5.7-liter	55/45
	Limited	3.6-liter	52/48
		5.7-liter	54/46
	Overland	5.7-liter	54/46

BODY

4x2	
Layout	Longitudinal front engine, rear drive
Construction	Steel Uniframe
4x4	
Layout	Longitudinal front engine, transfer case with full-time four-wheel drive
Construction	Steel Uniframe

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.

STEERING	
Type	Power rack-and-pinion
Steering Ratio	18.9:1—on center, 15.7:1—at full lock
Turn Circle	37.1 ft. (11.3 m)
Lock to Lock Steering Wheel Rotations	3.67

BRAKES	
Front	
Size and Type	12.9 x 1.2 (328 x 30) vented disc with 1.89 (48) two-piston pin-slider caliper and ABS
Swept Area	282 sq. in. (1820 sq. cm)
Rear	
Size and Type	12.6 x 0.55 (320 x 14) disc with 1.89 (48) single-piston pin-slider caliper and single-channel ABS[(b)]
Swept Area	257 sq. in. (1658 sq. cm)
Power Assist	Single-rate, tandem diaphragm vacuum

(a) Turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock, may differ with optional tires and wheels.

(b) Three-channel ABS standard on 4x2. Four-channel ABS standard on 4x4.

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	
Size and Type	P265/60R18
Mfr. and Model	Michelin Latitude Tour Black Side-Wall 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—Limited and Overland	
Size and Type	P265/60R18
Mfr. and Model	Michelin Latitude Tour Outside White Letter (OWL) All-Season

Revs per Mile	691

WHEELS

Type and Material	Cast-aluminum
Size	Laredo; 17-in. x 8-in., Limited; 18-in. x 8-in., Overland ; 20-in x 8-in.

TRAILER TOWING[(a)]

	Engine	Axle Ratio	Maximum Trailer Weight [(b)] lbs. (kg)
2WD	3.6-liter V-6	3.06	3500 (1600)
	5.7-liter V-8	3.47	7400 (3400)
4WD	3.6-liter V-6	3.06	3500 (1600)
	5.7-liter V-8	3.47	7200 (3300)

(a) All models can tow trailers up to 3,500 pounds with the addition of a trailer hitch. For towing heavier trailers up to the Maximum Trailer Weight Ratings shown in the Trailer Towing chart, the vehicle must be equipped with the Trailer Tow Group Class IV for the 5.7-liter engines for North America.

(b) Maximum Trailer Weight = GCWR - Curb Wt. with hitch - 300 lbs. (allowance for driver and passenger) and must be decreased by the weight of optional equipment, cargo and additional passengers. Maximum trailer weights shown are rounded to the nearest 50 lbs. Tongue weight should be 10-15% of loaded trailer weight but may not cause vehicle to exceed GVWR or GAWR. Load equalizing hitch recommended for trailers over 2,000 pounds.