

# CANADA

## 2021 Jeep® Grand Cherokee L

### SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.  
All dimensions are in millimetres (inches) 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	Detroit Assembly Complex - Mack Plant, Detroit, Michigan, USA
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	January 2021 as a 2021 model

#### BODY AND CHASSIS

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

#### ENGINE: 3.6-LITRE PENTASTAR V-6

Availability	Standard — Laredo, Limited, Overland and Summit
Type and Description	60-degree V-type, liquid-cooled
Displacement	3,604 cu. cm (220 cu. in.)
Bore x Stroke	96 x 83 (3.78 x 3.27)
Valve System	Chain-driven DOHC, 24 valves and hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	11.3:1
Power (SAE J2723)	293 hp @ 6,400 rpm
Torque (SAE J2723)	260 lb.-ft. @ 4,000 rpm
Max. Engine Speed	6,700 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	4.7 litres (5.0 quarts)

Coolant Capacity	13.25 litres (14.0 quarts)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	2,812 kg (6,200 lbs.)
Assembly Plant	Saltillo South Engine Plant, Saltillo, Mexico

### ENGINE: 5.7-LITRE V-8

Availability	Optional —Overland and Summit
Type and Description	90-degree V-type, liquid-cooled
Displacement	5,654 cu. cm (345 cu. in.)
Bore x Stroke	99.5 x 90.9 (3.92 x 3.58)
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 (SAE J2723)	357 hp (268 kW) @ 5,150 rpm
Torque (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	6.6 litres (7 quarts)
Coolant Capacity	13.72 litres (14.5 quarts)
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated-oxygen sensors and internal engine features <sup>(a)</sup>
Max. Gross Trailer Weight	3,265 kg (7,200 lbs.)
Assembly Plant	Saltillo North Engine Plant, Saltillo, Mexico

**TRANSMISSION: TORQUEFLITE 8HP70 AUTOMATIC, EIGHT-SPEED OVERDRIVE**

Availability	Standard — 3.6-litre and 5.7-litre models
Description	Driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.11
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

**TRANSFER CASE: MP 3010**

Availability	Optional — 3.6-litre V-6 engine
Type	Single-speed electronically shifted
Operating Mode	Full-time Active 4WD
Low Range Ratio	None
Torque Split, Front/Rear	Variable

**TRANSFER CASE: MP 3022**

Availability	Optional — 3.6-litre V-6 and 5.7-litre V-8 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 with Front Axle Disconnect
Availability	Standard on 4x4 models
Ring gear diameter	195 mm (7.7 in.)
Axle ratios	3.45:1 — 3.6-litre V-6 and 5.7-litre V-8
Rear	
Differential type	Conventional (optional Electronic Limited Slip on Overland)
Availability	Standard on all engines
Ring gear diameter	195 mm (7.7 in.) — standard on Laredo, Limited and Overland V-6 models 230 mm (9.1 in.) — standard on Summit, packaged with Off-Road Group and 5.7-litre V8 engine on Overland
Axle ratios	3.45:1 — 3.6-litre V-6 and 5.7-litre V-8

## ELECTRICAL SYSTEM

Alternator	160-amp; 180-amp; 220-amp or 240-amp depending on model
Battery	Maintenance-free H6 650 CCA + Auxiliary 200 CCA on engine stop-start (ESS) — Laredo, Limited H7 700 CCA + Auxiliary 200 CCA on engine stop-start (ESS) — Overland, Summit H7 700 CCA on V-8 (not equipped with ESS)

## SUSPENSION

Front	Multi-link independent front suspension, coil springs, gas-charged, twin-tube coilover shock absorbers, all aluminum arms and knuckles
Rear	Multi-link rear suspension, coil spring, twin tube shocks (including load levelling for towing), all aluminum arms and knuckles (including extruded aluminum spring links)

## STEERING

Type	Electric rack-and-pinion steering
Overall Ratio	15.6:1
Turning Diameter (curb-to-curb)	11.7 m (38.3 ft.)
Steering Turns (lock-to-lock)	3.0

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**BRAKES**

Type	Electric boost
Availability	Standard
Front	
Rotor size and type mm (inches)	354 x 28 (13.94 x 1.10) vented disc
Caliper size and type mm (inches)	51 (2.00) two-piston pin-slider caliper
Swept area, (sq. cm / sq. in.)	2,432.25 (377)
Rear	
Rotor size and type Inches (mm)	350 x 22 (13.78 x 0.87) vented disc
Caliper size and type mm (inches)	51 (2.00) single-piston pin-slider EPB caliper
Swept area, (sq. cm / sq. in.)	1,892.12 (293.28)

**DIMENSIONS AND CAPACITIES**

Wheelbase	3,091 (121.7)
Track, Front	1,660 (65.4)
Track, Rear	1,660 (65.4)
Overall Length	5,204 (204.9)
Overall Width (width at mirrors)	2,149 (84.6)
Overall Width (width with folded mirrors)	1,964 (77.3)
Body Width	1,979 (77.9)
Overall Height	1,815 (71.5) — standard suspension 1,817 (71.5) — air suspension
Load Floor Height	817 (32.2) — standard suspension 767 (30.2) — air suspension (with entry/exit enabled)
Sill Step Height	513 (20.2) — standard suspension 467 (18.4) — air suspension (with entry/exit enabled)

Ground Clearance (with P265/50R20 tire and 3.6-litre engine)	215 (8.5) — standard suspension
	276 (10.9) — air suspension (Pos#2)
Chassis (fuel tank)	261 (10.3) — standard suspension
	320 (12.6) — air suspension (Pos#2)
Front Axle	246 (9.7) — standard suspension
	305 (12.0) — air suspension (Pos#2)
Rear Axle	275 (10.8) — standard suspension
	355 (14.0) — air suspension (Pos#2)
Approach Angle (degrees)	20.6 — standard suspension
	30.1 — air suspension (Overland, Pos#2)
	28.2 — air suspension (Summit, Pos#2)
Ramp Breakover Angle (degrees)	18.2 — standard suspension
	22.6 — air suspension (Pos#2)
Departure Angle (degrees)	21.5 — standard suspension
	23.6 — air suspension (Pos#2)
Frontal Area sq. m (sq. ft.)	2.96 (31.95)
Drag Coefficient (Cd)	0.357
Aero CdA	11.4 (Cd x cross-sectional area)
Fuel Tank Capacity, litres (U.S. gallons)	87 (23)

## ACCOMMODATIONS

Seating Capacity (front / rear)	2/2/2 (second-row bucket seats) or 2/3/2 (optional bench)
SAE Total Interior Passenger Volume, litres (cu. ft.)	4,505.2 (159.1)
Front Row	
Headroom	1,012 (39.8)
Legroom	1,050 (41.3)
Shoulder room	1,504 (59.2)
Hip room	1,459 (57.4)
Seat travel	250 (9.8)

EPA front volume index, litres (cu. ft.)	1,599.9 (56.5)
<b>Second Row</b>	
Headroom	1,014 (39.9)
Legroom	1,000 (39.4)
Knee clearance	118 (4.6)
Shoulder room	1,474 (58.0)
Hip room	1,429 (56.3)
Seat travel	180 (7.1)
EPA rear seat volume index, litres (cu. ft.)	1,495.1 (52.8)
<b>Third Row</b>	
Headroom	947 (37.3)
Legroom	770 (30.3)
Knee clearance	15 (0.6)
Shoulder room	1,317 (51.9)
Hip room	1,090 (42.9)
EPA rear seat volume index, litres (cu. ft.)	923.1 (32.6)
Cargo volume behind first-row seats, litres (cu. ft.)	2,395.6 (84.6)
Behind second-row seats, litres (cu. ft.)	1,328.0 (46.9)
Behind third-row seats, litres (cu. ft.)	487.0 (17.2)

#### WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR <sup>(a)</sup> kg (lbs.)	CURB WEIGHT <sup>(b)</sup> kg (lbs.)	PAYLOAD <sup>(c)</sup> kg (lbs.)
<b>4WD</b>	Laredo	3.6-litre	2,948 (6,500)	2,153 (4,746)	626 (1,380)
	Limited	3.6-litre	2,948 (6,500)	2,168 (4,779)	640 (1,410)

Overland	3.6-litre	3,039 (6,700)	2,298 (5,066)	570 (1,260)
	5.7-litre	3,130 (6,900)	2,418 (5,330)	565 (1,240)
Summit	3.6-litre	3,039 (6,700)	2,307 (5,086)	560 (1,210)
	5.7-litre	3,130 (6,900)	2,428 (5,353)	545 (1,200)

(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 5 kg (10 lbs.)

#### WEIGHT DISTRIBUTION, F/R

	MODEL	ENGINE	DISTRIBUTION
<b>4WD</b>	Laredo	3.6-litre	51/49
	Limited	3.6-litre	51/49
	Overland	3.6-litre	49/51
		5.7-litre	52/48
Summit	3.6-litre	49/51	
	5.7-litre	52/48	

#### WHEELS

Availability	Standard on Laredo
Type and material	Painted cast aluminum in Fine Silver
Size (inches)	18 x 8
Availability	Standard on Limited
Type and material	Painted cast aluminum in Low-Gloss Highlight Silver
Size (inches)	18 x 8
Availability	Optional on Limited
Type and material	Polished aluminum with High-Gloss Technical Gray pockets
Size (inches)	20 x 8.5
Availability	Standard on Overland
Type and material	Machined cast aluminum with Black Noise pockets
Size (inches)	20 x 8.5
Availability	Optional on Overland (with Off-Road Group)
Type and material	Polished aluminum with High-Gloss Black pockets

Size (inches)	18 x 8
Availability	Standard on Summit
Type and material	Polished cast aluminum with Mid-Gloss Clear finish
Size (inches)	20 x 8.5
Availability	Standard with Summit Reserve Package
Type and material	Machined cast aluminum with Mid-Gloss Granite Crystal pockets
Size (inches)	21 x 9

## TIRES

Availability	Standard – Laredo and Limited
Size and type	265/60R18
Mfr. and model	Michelin Primacy XC All-Season or Michelin Primacy LTX All-Season
Revs per kilometre	422

Availability	Standard — Overland; Optional — Limited
Size and type	265/50R20
Mfr. and model	Bridgestone Ecopia H/L 422 Plus Black Sidewall All-Season
Revs per kilometre	425

Availability	Optional — Overland (packaged with Off-Road Group)
Size and type	265/60R18
Mfr. and model	Michelin Primacy XC All-Season
Revs per kilometre	422

Availability	Standard — Summit
Size and type	265/50R20
Mfr. and model	Pirelli Scorpion Verde Black Sidewall All-Season
Revs per kilometre	419

Availability	Optional — Summit (included with Summit Reserve Package)
Size and type	275/45R21
Mfr. and model	Continental CrossContact
Revs per kilometre	419

Parking Brake Type	Drum-in-hat
Four-wheel Antilock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard
Brake Assist	Standard

#### TRAILER TOWING

*Maximum ratings shown. When properly equipped.*

	Engine	Axle Ratio	Maximum Trailer Weight lbs. (kg)
<b>4WD</b>	3.6-litre V-6	3.45	2,818 (6,200)
	5.7-litre V-8	3.45	3,300 (7,200)

x x x