

## CANADA

### 2022 Jeep® Grand Cherokee

## 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	September 2021 as a 2022 model

#### BODY AND CHASSIS

Layout	Front engine, four-wheel drive
Construction	Steel uniframe

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

Availability	Standard — Laredo, Limited, Trailhawk, 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.)
EnerGuide L/100 km (MPG imperial) (city/hwy/comb)	V6 12.3 / 9.2 / 10.9 L/100 km city/highway/combined (23/31/26 mpg) V8 16.7 / 10.9 / 14.1 L/100 km city/highway/combined (17/26/20) mpg

Based on 2022 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website:

[www.vehicles.nrcan.gc.ca](http://www.vehicles.nrcan.gc.ca)

Assembly Plant	Saltillo South Engine Plant, Coahuila, Mexico
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#### ENGINE: 5.7-LITRE V-8

Availability	Optional — Trailhawk, 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.) (4x4)
EnerGuide L/100 km (MPG imperial) (city/hwy/comb)	Not yet rated
Based on 2022 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: <a href="http://www.vehicles.nrcan.gc.ca">www.vehicles.nrcan.gc.ca</a>	
Assembly Plant	Saltillo North Engine Plant, Saltillo, Mexico

#### **TRANSFER CASE: MP3015C**

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: MP3028C**

Availability	Optional — 3.6-litre V-6 and 5.7-litre V-8 engines and 2.0L 4xe
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

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

Availability	Standard — 3.6-litre and 5.7-litre models
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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

#### ENGINE: 2.0-LITRE TURBO I-4

Availability	Standard — Limited 4xe, Trailhawk 4xe, Overland 4xe and Summit 4xe
Displacement	1,995 cu. cm (221 cu. in.)
Bore x Stroke	84 x 90 (3.31 x 3.54)
Valve System	Chain-driven DOHC, 16 valves
Fuel Injection	Direct Injection
Construction	Aluminum block, aluminum alloy heads
Compression Ratio	10.0:1
Power (SAE J2723)	270 hp (200kW) @ 5,250 rpm
Torque (SAE J2723)	295 lb.-ft. (400 N•m) @ 3,000 rpm
Max. Engine Speed	5,800 rpm (electronically limited)
Fuel Requirement	Minimum unleaded regular, 87 octane (R + M)/2; 91 octane or higher recommended for optimum fuel economy and performance
Fuel Tank Capacity, litres (U.S. gallons)	71.9 (19.0)
Oil Capacity	4.7 litres (5.0 quarts)
Coolant Capacity	9.4 litres (9.9 quarts)

Emission Controls	GPEC5 engine-management system with close-coupled catalyst and wide range O <sub>2</sub> sensor
Max. Gross Trailer Weight	2,721 kg (6,000 lbs.)
Assembly Plant	Termoli, Italy

#### **eTORQUE BELT-START GENERATOR/MOTOR**

Peak power	44 hp (33 kW)
Starting torque	39 lb.-ft. (53 Nm)

#### **TRANSMISSION: 8P75PH PHEV AUTOMATIC, EIGHT-SPEED OVERDRIVE**

Description	Plug-in hybrid automatic transmission with AC traction motor with Motor Interrupting Clutch and Integrated Launch Element; adaptive electronic control and paddle shifter driver-interactive control
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.11
4th	1.67
5th	1.28
6th	1.00
7th	0.84
8th	0.67
Reverse	3.32

#### **INTEGRATED TRANSMISSION TRACTION MOTOR**

Peak torque	181 lb.-ft. (245 Nm)
Peak power	134 hp (100 kW)

#### **HIGH VOLTAGE BATTERY**

Chemistry	Lithium Ion Li-NMC
Charging Modes	Level 1 — 120V AC, Level 2 — 240V AC
Operating Voltage	260 – 400 VDC

Gross Capacity	17.3 kWh
Maximum Charge Rate	7.2 kW

#### **TOTAL 4xe POWERTRAIN OUTPUT**

Peak combined torque	470 lb.-ft. (637 Nm) at 3,000 rpm
Peak combined power	375 hp (280 kW) at 5,250 rpm

#### **AXLES**

##### **Front**

Differential type	Conventional with Front Axle Disconnect
Availability	Standard
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 3.6-litre V-6 and 5.7-litre V-8, 2.0L 4xe)
Availability	Standard on all engines
Ring gear diameter	195 mm (7.7 in.) — V-6 230 mm (9.1 in.) — 5.7-litre V-8, 2.0L 4xe with ELSD
Axle ratios	3.45:1 — 3.6-litre V-6 and 5.7-litre V-8 3.70:1 — 2.0 L 4xe

#### **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) — Trailhawk, Overland, Summit H7 700 CCA on V-8 (not equipped with ESS)

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## 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 leveling 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)	11.58 m (38 ft.)
Steering Turns (lock-to-lock)	2.9 (V-6 4x2), 3.0 (all other vehicles)

## 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 mm (inches)	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	2,964 (116.7)
Track, Front	1,660 (65.4)
Track, Rear	1,660 (65.4)
Overall Length	4,914 (193.5)
Overall Width (width at mirrors)	2,149 (84.6)
Overall Width (width with folded mirrors)	1,968 (77.5)
Body Width	1,968 (77.5)
Overall Height	1,799 (70.8) — standard suspension
	1,801 (70.9) — air suspension
Load Floor Height	823 (32.4) — standard suspension
	772 (30.4) — air suspension (with entry/exit enabled)
Sill Step Height	512 (20.2) — standard suspension
	467 (18.4) — air suspension (with entry/exit enabled)
Ground Clearance	214 (8.4) — standard suspension
	276 (10.9) — air suspension (Pos#2)
	278 (10.9) — air suspension (Trailhawk 4xe Pos #2)
	287 (11.3) — air suspension (Trailhawk 3.6-litre and 5.7-litre Pos#2)
Chassis (fuel tank)	261 (10.3) — standard suspension
	320 (12.6) — air suspension (Pos#2)
	335 (13.2) — air suspension (Trailhawk Pos#2)
Front Axle	214 (8.4) — standard suspension
	277 (10.9) — air suspension (Pos#2)
	287 (11.3) — air suspension (Trailhawk Pos#2)
Rear Axle	230 (9.1) — standard suspension
	297 (11.7) — air suspension (Pos#2)
	317 (12.5) — air suspension (Trailhawk Pos#2)
Approach Angle (degrees)	20.5 — standard suspension
	30.1 — air suspension (Overland, Pos#2)
	28.2 — air suspension (Summit, Pos#2)



	35.7 — air suspension (Trailhawk Pos#2)
Ramp Breakover Angle (degrees)	19.1 — standard suspension (3.6-litre) 16.3 — standard suspension (2.0L 4xe) 24 — air suspension (Pos#2 – 3.6-litre and 5.7-litre) 20.9 — air suspension (Pos#2 – 2.0L 4xe) 24.4 — air suspension (Trailhawk Pos#2 – 3.6-litre and 5.7-litre) 22.3 — air suspension (Trailhawk Pos#2 – 2.0L 4xe)
Departure Angle (degrees)	26.6 — standard suspension 30.0 — air suspension (Trailhawk 4xe Pos#2) 30.2 — air suspension (Trailhawk Pos#2)
Frontal Area, sq. m (sq. ft.)	2.9 (31.7)
Drag Coefficient (Cd)	0.357
Aero CdA	11.3 (Cd x frontal area)
Fuel Tank Capacity, litres (U.S. gallons)	87 (23) – 3.6-litre, 5.7-litre 72 (19) – 4xe models

## ACCOMMODATIONS

Seating Capacity (front / rear)	2/3 (second row bench)
SAE Total Interior Passenger Volume, litres (cu. ft.)	4,094.6 (144.6)
Front Row	
Headroom	1,013 (39.9)
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)
Second Row	
Headroom	1,002 (39.4)
Legroom	971 (38.2)

Knee clearance	103 (4.1)
Shoulder room	1,474 (58.0)
Hip room	1,429 (56.3)
EPA rear seat volume index, litres (cu. ft.)	1,430.0 (50.5)
Cargo volume behind first-row seats, litres (cu. ft.)	2,004.8 (70.8)
Behind second-row seats, litres (cu. ft.)	1,067.5 (37.7)

#### WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR <sup>(a)</sup> kg (lbs.)	CURB WEIGHT <sup>(b)</sup> kg (lbs.)	PAYLOAD <sup>(c)</sup> kg (lbs.)
4WD	Laredo	3.6-litre	2,544 (5,608)	1,980 (4,365)	564 (1,243)
	Limited	3.6-litre	2,575 (5,676)	2,002 (4,413)	573 (1,263)
		2.0-litre 4xe	2,962 (6,531)	2,415 (5,325)	547 (1,206)
	Trailhawk	3.6-litre	2,673 (5,893)	2,153 (4,747)	520 (1,147)
		5.7-litre	2,796 (6,164)	2,276 (5,017)	520 (1,147)
		2.0-litre 4xe	3,027 (6,674)	2,506 (5,524)	522 (1,150)
	Overland	3.6-litre	2,694 (5,940)	2,141 (4,721)	553 (1,219)
		5.7-litre	2,821 (6,219)	4,995 (2,266)	555 (1,224)
		2.0-litre 4xe	3,038 (6,697)	2,491 (5,492)	547 (1,206)
	Summit	3.6-litre	2,698 (5,949)	2,170 (4,784)	528 (1,165)
		5.7-litre	2,809 (6,193)	2,288 (5,045)	521 (1,148)
		2.0-litre 4xe	3,043 (6,709)	2,521 (5,558)	522 (1,151)

(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	54/46
	Limited	3.6-litre	54/46
		2.0-litre 4xe	53/47
	Trailhawk	3.6-litre	53/47
		5.7-litre	55/45
		2.0-litre 4xe	52/48
	Overland	3.6-litre	53/47
		5.7-litre	55/45
		2.0-litre 4xe	52/48
	Summit	3.6-litre	52/48
		5.7-litre	54/46
		2.0-litre 4xe	52/48

**WHEELS**

Availability	Standard — Laredo
Type and material	Painted cast aluminum in Fine Silver
Size (inches)	17 x 8
Availability	Standard — Limited
Type and material	Painted cast aluminum in Low-Gloss Highlight Silver
Size (inches)	18 x 8
Availability	Optional — Limited
Type and material	Polished aluminum with High-Gloss Technical Gray pockets
Size (inches)	20 x 8.5
Availability	Standard — Limited 4xe
Type and material	Polished aluminum with Black Noise pockets
Size (inches)	18 x 8
Availability	Standard — Trailhawk
Type and material	Machined Face With Mid-Gloss Granite Crystal with Red Accent

Size (inches)	18 x 8
Availability	Standard — Trailhawk 4xe
Type and material	Machined Face With Mid-Gloss Granite Crystal with Blue Accent
Size (inches)	18 x 8
Availability	Standard — Overland
Type and material	Machined cast aluminum with Black Noise pockets
Size (inches)	20 x 8.5
Availability	Optional — Overland (packaged with Off-road Group)
Type and material	Polished aluminum with High-Gloss Black pockets
Size (inches)	18 x 8
Availability	Standard — Summit
Type and material	Polished cast aluminum Painted Silver Lithos
Size (inches)	20 x 8.5
Availability	Standard — Summit Reserve
Type and material	Machined cast aluminum with Mid-Gloss Black pockets
Size (inches)	21 x 9
<b>TIRES</b>	
Availability	Standard — Laredo
Size and type	245/70R17
Mfr. and model	Goodyear Fortera HL All-Season
Revs per kilometre	422
Availability	Standard — 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 — Trailhawk
Size and type	265/60R18
Mfr. and model	Goodyear Wrangler Territory AT
Revs per kilometre	425
Availability	Optional — Overland (packaged with Off-road Group)
Size and type	265/60R18
Mfr. and model	Goodyear Wrangler All-Terrain Adventurer
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

	Engine	Axle Ratio	Maximum Trailer Weight lbs. (kg)
4WD	3.6-litre V-6	3.45	2,812 (6,200)
	5.7-litre V-8	3.45	3,265 (7,200)
	2.0-litre 4xe	3.70	2,722 (6,000)

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