

CANADA

2024 Jeep® Grand Cherokee 4xe

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 and Detroit Assembly Complex — Jefferson Plant, Detroit, Michigan, USA
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	Summer 2022 as a 2022 model

BODY AND CHASSIS

Layout	Front engine, four-wheel drive
Construction	Steel uniframe

TRANSFER CASE: MP3028C

Availability	Standard
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

ENGINE: 2.0-LITRE TURBO I-4

Availability	Standard
Displacement	1,995 cu. cm (121 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 (200 kW) @ 5,250 rpm
Torque (SAE J2723)	295 lb.-ft. (400 N•m) @ 3,000 rpm
Max. Engine Speed	5,800 rpm (electronically limited)

ENGINE: 2.0-LITRE TURBO I-4 (CONTINUED)

Fuel Requirement	Minimum unleaded regular, 87 octane (R + M)/2; 91 octane or higher recommended for optimum fuel economy and performance
Fuel Tank Capacity (gallons)	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 ₂ sensor
Max. Gross Trailer Weight	2,721 kg (6,000 lbs.)
Assembly Plant	Termoli, Italy

eTORQUE BELT-START GENERATOR/MOTOR

Availability	Standard
Peak power	44 hp (33 kW)
Starting torque	39 lb.-ft. (53 N•m)

TRANSMISSION: 8P75PH PHEV AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard
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

Availability	Standard
Peak Torque	195 lb.-ft. (265 N•m)
Peak Power	134 hp (100 kW)

HIGH VOLTAGE BATTERY

Availability	Standard
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 POWERTRAIN OUTPUT

Availability	Standard
Peak Combined Torque	470 lb.-ft. (637 N•m) 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 ratio	3.70:1

Rear

Differential type	Conventional (standard Electronic Limited Slip on Trailhawk and Summit, optional on Overland)
Availability	Standard on all engines
Ring gear diameter	230 mm (9.1 in.)
Axle ratio	3.70:1

ELECTRICAL SYSTEM

Battery	Maintenance-free H7 700 CCA + Auxiliary 200 CCA on engine stop-start (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)	3.0

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 (10.5) — air suspension (Pos#2) 278 (10.9) — air suspension (Trailhawk Pos #2)

DIMENSIONS AND CAPACITIES (CONTINUED)

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)	16.3 — standard suspension
	20.9 — air suspension (Pos#2)
	22.3 — air suspension (Trailhawk Pos#2)
Departure Angle (degrees)	26.3 — standard suspension
	30.0 — 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 (US gallons)	72 (19)

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)

ACCOMMODATIONS (CONTINUED)

Second Row	
Headroom	1,022 (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)

WEIGHTS (ESTIMATES)	MODEL	GVWR(a) KG (LBS.)	CURB WEIGHT(b) KG (LBS.)	PAYLOAD(c) KG (LBS.)
	4xe	3,130 (6,900)	2,435 (5,368)	476 (1,050)
	4xe Trailhawk	3,130 (6,900)	2,504 (5,521)	476 (1,050)
	4xe Overland	3,130 (6,900)	2,487 (5,484)	476 (1,050)
	4xe Summit	3,130 (6,900)	2,498 (5,507)	476 (1,050)

(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

WEIGHT DISTRIBUTION, F/R	MODEL	DISTRIBUTION
	4xe	53/47
	4xe Trailhawk	52/48
	4xe Overland	52/48
	4xe Summit	52/48

WHEELS

Availability	Standard — 4xe
Type and material	Fully painted aluminum

Size (inches)	18 x 8
Availability	Optional — 4xe
Type and material	Polished / painted aluminum
Size (inches)	20 x 8.5
Availability	Optional — 4xe (packaged with Anniversary Edition)
Type and material	Black Noise painted aluminum
Size (inches)	20 x 8.5
Availability	Standard — 4xe Trailhawk
Type and material	Black-painted with Blue Accent
Size (inches)	18 x 8
Availability	Standard — 4xe Overland
Type and material	Machined cast aluminum with Black Noise pockets
Size (inches)	20 x 8.5
Availability	Standard — 4xe Summit
Type and material	Polished cast aluminum Painted Silver Lithos
Size (inches)	20 x 8.5
Availability	Standard — 4xe Summit Reserve
Type and material	Machined cast aluminum with Mid-Gloss Black pockets
Size (inches)	21 x 9
Availability	Standard — 4xe Summit High Altitude, 4xe Summit Reserve High Altitude
Type and material	Black-painted cast aluminum
Size (inches)	21 x 9

TIRES

Availability	Standard — 4xe
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 — 4xe Trailhawk
Size and type	265/60R18
Mfr. and model	Goodyear Wrangler Territory AT
Revs per kilometre	425
Availability	Standard — 4xe Overland
Size and type	265/50R20
Mfr. and model	Bridgestone Ecopia H/L 422 Plus
Revs per kilometre	424

Availability	Standard — 4xe Summit
Size and type	265/50R20
Mfr. and model	Pirelli Scorpion Verde Black Sidewall All-Season
Revs per kilometre	419
Availability	Optional — 4xe Summit (included with Summit Reserve and High Altitude Packages)
Size and type	275/45R21
Mfr. and model	Continental CrossContact
Revs per kilometre	419
Parking Brake Type	Electric
Four-wheel Antilock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard
Brake Assist	Standard

TRAILER TOWING

	AXLE RATIO	MAXIMUM TRAILER WEIGHT KG (LBS.)
4WD	3.70	2,722 (6,000)

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