# 2023 Jeep® Grand Cherokee 4xe

## SPECIFICATIONS

Specifications 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 Detroit Assembly Complex – Mack Plant, Detroit, Michigan

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-LITER TURBO I-4

Availability Standard

Displacement 121 cu. in. (1,995 cu. cm)

Bore x Stroke 3.31 x 3.54 (84 x 90)

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)

### ENGINE: 2.0-LITER 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 5.0 quarts (4.7 liters)

Coolant Capacity 9.9 quarts (9.4 liters)

Emission Controls GPEC5 engine-management system with close-coupled catalyst and wide range O2 sensor

Max. Gross Trailer Weight 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 Nm)

### 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 Nm)

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 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 7.7 in. (195mm)

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 9.1 in. (230mm)

Axle ratio 3.70:1

### ELECTRICAL SYSTEM

Battery Maintenance-free

H7 700 CCA + Auxiliary 200 CCA on engine stop-start (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 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) 38 ft. (11.58m)

Steering Turns (lock-to-lock) 3.0

### BRAKES

Type Electric boost

Availability Standard

Front

Rotor size and type Inches (mm) 13.94 x 1.10 (354 x 28) vented disc

Caliper size and type Inches (mm) 2.00 (51) two-piston pin-slider caliper

Swept area, (sq. in. / sq. cm) 377 (2,432.25)

Rear

Rotor size and type Inches (mm) 13.78 x 0.87 (350 x 22) vented disc

Caliper size and type Inches (mm) 2.00 (51) single-piston pin-slider EPB caliper

Swept area, (sq. in. / sq. cm) 293.28 (1,892.12)

### DIMENSIONS AND CAPACITIES

Wheelbase 116.7 (2,964)

Track, Front 65.4 (1,660)

Track, Rear 65.4 (1,660)

Overall Length 193.5 (4914)

Overall Width (width at mirrors) 84.6 (2,149)

Overall Width (width with folded mirrors) 77.5 (1,968)

Body Width 77.5 (1,968)

Overall Height 70.8 (1,799) — standard suspension

70.9 (1,801) — air suspension

Load Floor Height 32.4 (823) — standard suspension

30.4 (772) — air suspension (with entry/exit enabled)

Sill Step Height 20.2 (512) — standard suspension

18.4 (467) — air suspension (with entry/exit enabled)

Ground Clearance 8.4 (214) — standard suspension

10.9 (276) — air suspension (Pos#2)

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

### DIMENSIONS AND CAPACITIES (continued)

Chassis (fuel tank) 10.3 (261) — standard suspension

12.6 (320) — air suspension (Pos#2)

13.2 (335) — air suspension (Trailhawk Pos#2)

Front Axle 8.4 (214) — standard suspension

10.9 (277) — air suspension (Pos#2)

11.3 (287) — air suspension (Trailhawk Pos#2)

Rear Axle 9.1 (230) — standard suspension

11.7 (297) — air suspension (Pos#2)

12.5 (317) — 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) 26.6 — standard suspension

30.0 — air suspension (Trailhawk Pos#2)

Frontal Area sq. ft. 31.7

Drag Coefficient (Cd) 0.357

Aero CdA 11.3 (Cd x frontal area)

Fuel Tank Capacity, (gallons / liter) 19 (72)

### ACCOMMODATIONS

Seating Capacity (front / rear) 2/3 (second-row bench)

SAE Total Interior Passenger Volume,   
(cu. ft. / cu. m) 144.6 (4.1)

Front Row

Headroom 39.9 (1,013)

Legroom 41.3 (1,050)

Shoulder room 59.2 (1,504)

Hip room 57.4 (1,459)

Seat travel 9.8 (250)

EPA front volume index (cu. ft. / cu. m) 56.5 (1.6)

### ACCOMMODATIONS (CONTINUED)

Second Row

Headroom 39.4 (1,002)

Legroom 38.2 (971)

Knee clearance 4.1 (103)

Shoulder room 58.0 (1,474)

Hip room 56.3 (1,429)

EPA rear seat volume index (cu. ft. / cu. m) 50.5 (1.4)

Cargo volume behind first-row seats (cu. ft. / cu. m) 70.8 (2.0)

Behind second-row seats (cu. ft. / cu. m) 37.7 (1.07)

### WEIGHTS (Estimates)

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

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

### Wheels

Availability Standard — 4xe

Type and material Fully painted aluminum

Size (inches) 18 x 8

### Wheels (continued)

Availability Optional — 4xe

Type and material Polished / painted aluminum

Size (inches) 20 x 8.5

Availability Standard — Trailhawk 4xe

Type and material Machined face with Mid-Gloss Granite Crystal with Blue Accent

Size (inches) 18 x 8

Availability Optional — Trailhawk 4xe (late availability)

Type and material Black-painted with Blue Accent

Size (inches) 18 x 8

Availability Standard — Overland 4xe

Type and material Machined cast aluminum with Black Noise pockets

Size (inches) 20 x 8.5

Availability Optional — Overland 4xe (packaged with Off-road Group)

Type and material Polished aluminum with High-Gloss Black pockets

Size (inches) 18 x 8

Availability Standard — Summit 4xe

Type and material Polished cast aluminum Painted Silver Lithos

Size (inches) 20 x 8.5

Availability Standard — Summit Reserve 4xe

Type and material Machined cast aluminum with Mid-Gloss Black pockets

Size (inches) 21 x 9

Availability Standard — Summit High Altitude 4xe, Summit Reserve High Altitude 4xe

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 kilometer 422

Availability Standard — Trailhawk 4xe

Size and type 265/60R18

Mfr. and model Goodyear Wrangler Territory AT

Revs per kilometer 425

Availability Optional — Overland 4xe (packaged with Off-road Group)

Size and type 265/60R18

### TIRES (continued)

Mfr. and model Goodyear Wrangler All-Terrain Adventurer

Revs per kilometer 422

Availability Standard — Summit 4xe

Size and type 265/50R20

Mfr. and model Pirelli Scorpion Verde Black Sidewall All-Season

Revs per kilometer 419

Availability Optional — Summit 4xe (included with Summit Reserve and High Altitude Packages)

Size and type 275/45R21

Mfr. and model Continental CrossContact

Revs per kilometer 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 LBS. (KG)** |
| **4WD** |  | 3.70 | 6,000 (2,722) |

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