

# FCA CANADA

## 2020 Jeep® 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

|                   |   |
|-------------------|---|
| Body Style        | Sport-utility vehicle (SUV)                   |
| Assembly Plant    | Belvidere Assembly Plant, Belvidere, Illinois |
| EPA Vehicle Class | Multipurpose vehicle                          |
| Introduction Date | First quarter of 2018 as a 2019 model         |

#### BODY AND CHASSIS

|              |                                      |
|--------------|--------------------------------------|
| Layout       | Transverse front engine, 4x2 and 4x4 |
| Construction | Steel uniframe                       |

#### ENGINE: 2.0-LITRE TURBO I-4 ENGINE WITH ENGINE STOP-START (ESS)

|                      |  |
|----------------------|--|
| Availability         | Optional — North , Limited, Overland and Trailhawk               |
| Type and Description | Inline Turbo DOHC  |
| Displacement         | 1,995 cu cm (121.7 cu. in.)                                      |
| Bore x Stroke        | 84.0 x 90 (3.31 x 3.54)  |
| Valve System         | Chain-driven, DOHC, variable-valve timing for intake and exhaust |
| Fuel Injection       | Direct injection   |
| Construction         | Aluminum block and aluminum heads                                |
| Compression Ratio    | 10.0:1   |
| Power (SAE net)      | 270 hp (200 kW) @ 5,250 rpm (134hp/litre)                        |
| Torque (SAE net)     | 295 lb.-ft. (400 N•m) @ 3,000-4,500 rpm                          |
| Max. Engine Speed    | 5800 rpm, electronically limited                                 |
| Fuel Requirement     | Regular unleaded, 87 octane (R+M)/2                              |
| Oil Capacity         | 4.7 litres (5.0 quarts)  |
| Coolant Capacity     | 3.25 litres (3.4 quarts)   |

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|--|--|
| Emission Controls  | Cooled, high-pressure EGR. Close coupled three-way catalytic converters.<br>Engine stop-start technology |
| EnerGuide (2019) Fuel Consumption Ratings<br>L/100 km (MPG – imp. gal.)<br>(city/hwy/combined) | 10.4(27)/7.6(37)/9.1(31)— 4x2  |
|  | 11.2(25)/ 8.0(35)/9.8(29)— Jeep Active Drive I   |
|  | 11.5(25)/ 8.6(33)/10.2(28)— Jeep Active Drive II   |
|  | 11.8(24)/ 9.2(31)/10.6(27)— Jeep Active Drive Lock   |

Based on 2019 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)

|                       |   |
|-----------------------|---|
| Engine Assembly Plant | Trenton Engine Plant, Trenton, Michigan |
|-----------------------|---|

### ENGINE: 3.2-LITRE PENTASTAR V-6 WITH ENGINE STOP-START (ESS)

|  |  |
|--|--|
| Availability   | Standard — Limited 4x4, Trailhawk and Overland   |
|  | Optional — North 4x2/4x4, Limited 4x2  |
| Type and Description   | 60-degree V-type, liquid-cooled  |
| Displacement   | 3,239 cu cm (197.7 cu. in.)  |
| Bore x Stroke  | 91.0 x 83.0 (3.58 x 3.27)  |
| Valve System   | Chain-driven, DOHC, 24 valves, with hydraulic roller finger followers  |
| Fuel Injection   | Sequential, multiport, electronic, returnless  |
| Construction   | Die-cast aluminum block, aluminum alloy heads  |
| Compression Ratio  | 10.7:1   |
| Power (SAE net)  | 271 hp (199 kW) @ 6,500 rpm (82.4 hp/litre)  |
| Torque (SAE net)   | 239 lb.-ft. (316 N•m) @ 4,400 rpm  |
| Max. Engine Speed  | 6,500 rpm, electronically limited  |
| Fuel Requirement   | Regular unleaded, 87 octane (R+M)/2  |
| Oil Capacity   | 5.7 litres (6.0 quarts)  |
| Coolant Capacity   | 9.2 litres (9.7 quarts)  |
| Emission Controls  | Two mini-oxidation three-way catalytic converters; four heated oxygen sensors;<br>and internal engine features |
|  | Engine stop-start technology   |
| EnerGuide (2019) Fuel Consumption Ratings<br>L/100 km (MPG – imp. gal.)<br>(city/hwy/combined) | 11.9(24)/8.2(34)/10.2(28)— 4x2   |
|  | 12.2(23)/8.6(33)/10.6(27)— Jeep Active Drive I   |
|  | 12.8(22)/ 9.0(31)/11.1(25)— Jeep Active Drive II   |
|  | 12.9(22)/ 9.9(29)/11.6(24)— Jeep Active Drive Lock   |

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Engine Assembly Plant Trenton Engine, Trenton, Michigan

**ENGINE: 2.4-LITRE PZEV MULTIAIR2 TIGERSHARK I-4 WITH ENGINE STOP-START (ESS)**

|  |  |
|--|--|
| Availability   | Standard — Sport, North, Limited 4x2   |
| Type and Description   | Inline four-cylinder, 16-valve MultiAir with multiport fuel injection  |
| Displacement   | 2,360 cu cm (144 cu. in.)  |
| Bore x Stroke  | 88 x 97  |
| Valve System   | Chain-driven, SOHC, four valves per cylinder (16 total)  |
| Fuel Injection   | Sequential, multiport, electronic, returnless  |
| Construction   | Aluminum block, aluminum cylinder head   |
| Compression Ratio  | 10:1   |
| Power (SAE net — estimated)  | 180 hp (kW) @ 6,400 rpm  |
| Torque (SAE net — estimated)   | 171 lb.-ft. (234 N•m) @ 4,600 rpm  |
| Max. Engine Speed  | 6,500 rpm  |
| Fuel Requirement   | Unleaded regular, 87 octane  |
| Oil Capacity   | 5,2 litres (5.5 quarts)  |
| Coolant Capacity   | 6.7 litres (7.1 quarts)  |
| Emission Controls  | Single catalytic converter, heated wide band lambda sensor upstream and mid-catalyst heated oxygen sensor<br>Bin 70 / SULEV 30 with zero evaporative emissions |
| EnerGuide (2019) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) (city/hwy/combined) | 10.8(26)/ 7.6(37)/9.3(30)— 4x2<br>11.2(25)/ 8.0 (35)/9.8(29)— Jeep Active Drive I  |

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Engine Assembly Plant Dundee Engine Plant, Dundee, Michigan

**TRANSMISSION: 948TE NINE-SPEED AUTOMATIC**

|              |   |
|--------------|---|
| Availability | Standard — all models                   |
| Description  | Planetary gear train, transverse layout |
| Ratio Spread | 9.81                                    |

|             |   |
|-------------|---|
| Gear Ratio  |   |
| 1st         | 4.71  |
| 2nd         | 2.84  |
| 3rd         | 1.91  |
| 4th         | 1.38  |
| 5th         | 1.00  |
| 6th         | 0.81  |
| 7th         | 0.70  |
| 8th         | 0.58  |
| 9th         | 0.48  |
| Reverse     | 3.83  |
| Axle Ratios | 3.2-litre 4x2 — 3.251                               |
|             | 3.2-litre 4x4 (non-trailer tow) — 3.251             |
|             | 3.2-litre 4x4 (trailer tow) — 3.517                 |
|             | 3.2-litre 4x4 Active Drive II and Trailhawk — 3.517 |
|             | 2.4-litre 4x2 — 3.734                               |
|             | 2.4-litre 4x4 (non-Trailhawk) — 3.734               |
|             | 2.0-litre Turbo — 3.734                             |

#### 4X4 SYSTEMS: JEEP ACTIVE DRIVE I, JEEP ACTIVE DRIVE II, JEEP ACTIVE DRIVE LOCK

|                           |  |
|---------------------------|--|
| Availability              | Jeep Active Drive I optional on Sport, North and Limited Overland models. Jeep Active Drive II optional on North Limited and Overland models; Jeep Active Drive Lock standard on Trailhawk |
| Type                      | Fully disconnecting 4x2 mode with automatic 4x4 engagement   |
|                           | Electronic 4x4 Low and Neutral range shifting for Active Drive II and Lock   |
|                           | Full-time 4x4 mode with active on demand clutch on all 4x4 systems   |
| Operating Modes           | Auto 4x2/4x4   |
|                           | 4x4 Low, Neutral for Active Drive II and Lock  |
| Center Differential Type  | None   |
| Terrain Response          | Unique tuning in all terrain modes   |
| Low-range Ratio           | 2.92:1   |
| Locking Rear Differential | Mechanical locking differential on Active Drive Lock: Standard on Trailhawk  |

|                            |   |
|----------------------------|---|
| Hill-descent Control (HDC) | Electronic Hill-descent Control on Active Drive II and Lock |
|----------------------------|---|

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|---------------------|--|
| Selec-Speed Control | Selec-Speed Control on Active Drive Lock |
|---------------------|--|

## ELECTRICAL SYSTEM

|            |                           |
|------------|---------------------------|
| Alternator | 160-amp, 180-amp optional |
|------------|---------------------------|

|         |                 |
|---------|-----------------|
| Battery | 700-amp AGM: H7 |
|---------|-----------------|

## SUSPENSION

|       |   |
|-------|---|
| Front | McPherson strut, long travel coil springs, one-piece steel sub-frame, aluminum lower control arms, stabilizer bar |
|-------|---|

|      |   |
|------|---|
| Rear | Four link rear suspension with trailing arm, aluminum lateral links, isolated high-strength steel rear cradle, coil springs, stabilizer bar |
|------|---|

## STEERING

|      |                                |
|------|--------------------------------|
| Type | Electric power rack and pinion |
|------|--------------------------------|

|               |                                   |
|---------------|-----------------------------------|
| Overall Ratio | 15.15 4x2 and 4x4, 15.36 4x4 Lock |
|---------------|-----------------------------------|

|                                 |                  |
|---------------------------------|------------------|
| Turning Diameter (curb-to-curb) | 4x2: 11.5 (37.6) |
|---------------------------------|------------------|

|  |                    |
|--|--------------------|
|  | 4x4 I: 11.5 (37.7) |
|--|--------------------|

|  |                     |
|--|---------------------|
|  | 4x4 II: 11.6 (38.0) |
|--|---------------------|

|  |   |
|--|---|
|  | 4x4 Jeep Active Drive Lock: 11.6 (38.1) |
|--|---|

|                               |                                 |
|-------------------------------|---------------------------------|
| Steering Turns (lock-to-lock) | 2.56 4x2 and 4x4, 2.67 4x4 Lock |
|-------------------------------|---------------------------------|

## BRAKES

|       |  |
|-------|--|
| Front |  |
|-------|--|

|               |  |
|---------------|--|
| Size and type | 330 x 28 (13 x 1.1) vented rotor with 60 (2.36) single-piston floating caliper |
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|  |  |
|--|--|
|  | 330 x 28 (13 x 1.1) vented rotor with 48 (1.89) twin piston floating caliper (available) |
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| Swept area (per caliper) | 651.1 sq cm (100.9 sq. in.), 1 x 60; 839.4 sq cm (130.1 sq. in.), 2 x 48 |
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|      |  |
|------|--|
| Rear |  |
|------|--|

|               |  |
|---------------|--|
| Size and type | 278 x 12 (10.95 x 0.47) solid rotor with 38 (1.5) single-piston floating caliper |
|---------------|--|

|   |  |
|---|--|
|   | 320 x 12 (12.6 x 0.47) solid rotor with 43 (1.69) single piston floating caliper (available) |
| Swept area (per caliper)                | 638.6 sq cm (99.0 sq. in.) 1 x 38; 754.8 sq cm (117.0 sq. in.) 1 x 43                        |
| Power-assist Type                       | 230 + 230 (9 + 9) tandem diaphragm, vacuum assist  |
| Four-wheel anti-lock brake system (ABS) | Standard   |
| Electronic stability control (ESC)      | Standard   |
| Parking Brake Type                      | Electric motor on caliper  |
| All-speed Traction Control              | Standard   |

#### **DIMENSIONS AND CAPACITIES<sup>(a)</sup>**

|   |  |
|---|--|
| Wheelbase   | 2,705 (106.48) 4x2, 2,707 (106.6) 4x4 I, 2,719.8 (107.1) 4x4 Lock                        |
| Track, Front  | 1,594 (62.7) 4x4, 4x2, 4x4 II, and 1,614.4 (63.6) 4x4 Lock                               |
| Track, Rear   | 1,601.2 (63.1) 4x4 and 4x2, 1,594.1 (62.7) 4x4 II, and 1,614.1 (63.5) 4x4 Lock           |
| Overall Length (NAFTA vehicles)                         | 4,650 (183.1) on-road<br>4,645 (182.9) Trailhawk   |
| Overall Width   | 1,858.8 (73.2) 4x2 and 4x4, 1,903.6 (74.9) 4x4 Lock                                      |
| Overall Height (with roof rack)                         | 1,682.9 (66.2) 4x4, 1,670.2 (65.7) 4x2, 1,710 (67.3) 4x4 II, and 1,723.3 (67.8) 4x4 Lock |
| Load-floor Height                                       | 785.6 (30.9) 4x4   |
| Sill-step Height  | 453.8 (17.9) front step height, 460.8 (18.1) rear step height, 4x4                       |
| Ground Clearances Trailhawk (4x4 with P245/65R17 tires) | 221.6 (8.7) minimum running ground clearance (4x4 Lock)                                  |
| Chassis   | 247.8 (9.7) cradle bolt head / 222.9 (8.8) front underbody skid plate                    |
| Fuel Tank   | 266.2 (10.5) (bolt under fuel tank) / 255.3 (10) brush guard                             |
| Front Axle  | 265.4 (10.4) two-speed PTU heat shield   |
| Rear Axle   | 246.4 (9.7) two-speed RDM with locker  |
| Approach Angle (with air dam) (degrees)                 | 29.9 4x4 Lock; 18.9 4x4 I, 21.0 4x4 II; 16.7 4x2   |
| Breakover Angle (degrees)                               | 22.9 4x4 Lock; 19.5 4x4 I; 21.7 4x4 II; 17.7 4x2   |
| Departure Angle (degrees)                               | 32.2 4x4 Lock; 25.0 4x4 I; 27.3 4x4 II; 24.6 4x2   |
| Aero Cd   | 0.339 (2.4-litre FWD with grille shutters)   |
| Fuel Tank Capacity                                      | 60.0 litres (15.9 gallons)   |
| Maximum Occupants and Cargo Weight, kg (lb..)           | 454 (1,000)  |

**Tow Capacity, kg (lb..)**

|  |  |
|--|--|
| All models without Trailer Tow Group and equipped with aftermarket Class II type hitch | 907 (2,000)  |
| 2.4-litre engine automatic transmission with Trailer Tow Package (Class III)           | 907 (2,000)  |
| 2.0-litre engine automatic transmission with Trailer Tow Package (Class III)           | 1,800 (4,000)  |
| 3.2-litre engine automatic transmission with Trailer Tow Package (Class III)           | 2,041 (4,500)  |
| <b>Curb Weight, kg (lb.)</b>   |  |
| 2.4-litre 4x2  | 1,629 (3,590)  |
| 3.2-litre 4x2  | 1,683 (3,710)  |
| 2.0-litre 4x2  | 1,692 (3,730)  |
| 2.4-litre 4x4  | 1,758 (3,875)  |
| 3.2-litre 4x4  | 1,798 (3,960)  |
| 2.0-litre 4x4  | 1,815 (4,000)  |
| 3.2-litre 4x4 Lock   | 1,928 (4,250)  |
| 2.0-litre 4x4 Lock   | 1,933 (4,260)  |
| Weight Distribution, 4x4, percent F/R  | 57/43  |
| Weight Distribution, 4x2, percent F/R  | 58/42  |
| GVWR   | 2,290 kg (5,050 lb.) — 2.4-litre FWD                               |
|  | 2,494 kg (5,500 lb.) — 2.4-litre 4x4, 3.2-litre FWD, 3.2-litre 4x4 |

(a) All dimensions measured with two passengers.

**ACCOMMODATIONS**

|                               |  |
|-------------------------------|--|
| Seating Capacity — Front/Rear | 2/3  |
| <b>Front Row</b>              |  |
| Headroom without sunroof      | 999.9 (39.4)                                 |
| Headroom with sunroof         | 964.5 (37.9)                                 |
| Legroom                       | 1,045 (41.1)                                 |
| Shoulder room                 | 1,462.3 (57.6)                               |
| Hip room                      | 1,366.6 (53.8)                               |
| Seat travel                   | 219 (8.3) driver / 190 (7.5) front passenger |

|   |   |
|---|---|
| Recliner range (degrees)  | 8 to 76 (manual) / 8 to 55.25 (powered)           |
| SAE volume (standard roof)                                      | 1,528.5 litres (53.98 cu. ft.)                    |
| <b>Second Row</b>   |   |
| Headroom  | 987.2 (38.5)                                      |
| Legroom   | 1,023.2 (40.3)                                    |
| Knee clearance  | 90.1 (3.5)  |
| Shoulder room   | 1,399.8 (55.1)                                    |
| Hip room  | 1,268.1 (49.9)                                    |
| Recliner range (degrees)  | 19.25 to 25.25                                    |
| SAE cargo volume litres, (cu. ft.)                              | 1,400.8 (49.47)                                   |
| <b>Cargo Access</b>   |   |
| Liftover height   | 785.6 (30.9) 4x4                                  |
| Maximum cargo width at liftgate opening                         | 1,051 (41.4) without subwoofer                    |
| Minimum cargo width at liftgate opening                         | 917.2 (36.1) at top of opening                    |
| Maximum cargo height at liftgate opening                        | 825.0 (32.5) 4x4 Lock                             |
| Minimum cargo height at liftgate opening                        | 780.0 (30.7) 4x2                                  |
| Distance between wheelhouse interior trim                       | 1,000.5 (39.4)                                    |
| <b>SAE Cargo Volume</b>   |   |
| Rear seats up, litre (cu. ft.)                                  | 730.5 (25.8)                                      |
|   | 781.5 (27.6) with cargo floor in lower position   |
| Rear seats folded, litre (cu. ft.)                              | 1,548 (54.7)                                      |
| EPA interior volume index, litre (cu. ft.)                      | 3,624.5 (128)                                     |
| Behind rear seat — sliding, litre (cu. ft.)                     | 696.5 (24.6 cu. ft.) rear seat at design position |
|   | 761.7 (26.9 cu. ft.) rear seat at mid travel      |
|   | 824.0 (29.1 cu. ft.) rear seat at full forward    |
| Behind front-row seats with rear seats folded, litres (cu. ft.) | 1,548.9 54.7                                      |

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## WHEELS

|                   |                  |
|-------------------|------------------|
| Availability      | Standard — Sport |
| Type and material | Steel            |
| Size              | 17 x 7           |

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|                   |                            |
|-------------------|----------------------------|
| Availability      | Standard — North           |
| Type and material | Satin Carbon cast aluminum |
| Size              | 17 x 7                     |

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|                   |   |
|-------------------|---|
| Availability      | Standard — Limited                            |
| Type and material | Polished aluminum with Technical Grey pockets |
| Size              | 18 x 7  |

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|                   |  |
|-------------------|--|
| Availability      | Standard — Overland                                      |
| Type and material | Polished aluminum with Technical Grey Clear Coat pockets |
| Size              | 19 x 7.5   |

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|                   |  |
|-------------------|--|
| Availability      | Standard — Trailhawk                       |
| Type and material | Polished Aluminum with Titanium II pockets |
| Size              | 17 x 7.5                                   |

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|                   |                                       |
|-------------------|---------------------------------------|
| Availability      | Optional — Trailhawk                  |
| Type and material | Jet Black semi-gloss painted aluminum |
| Size              | 17 x 7.5                              |

## TIRES

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|               |                                    |
|---------------|------------------------------------|
| Availability  | Standard — Sport 4x2 and North 4x2 |
| Size and type | 225/60R17 BSW, All-season          |

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|                    |                                    |
|--------------------|------------------------------------|
| Mfr. and model     | Firestone Destination LE2          |
| Revs per km (mile) | 470 (757)                          |
| Availability       | Standard — Limited 4x2             |
| Size and type      | 225/55R18 BSW, All-season          |
| Mfr. and model     | Continental ProContact TX          |
| Revs per km (mile) | 462 (745)                          |
| Availability       | Standard — Sport 4x4 and North 4x4 |
| Size and type      | 225/65R17 BSW, All-season          |
| Mfr. and model     | Firestone Destination LE2          |
| Revs per km (mile) | 456 (734)                          |
| Availability       | Available — Limited 4x4            |
| Size and type      | 225/60R18 BSW, All-season          |
| Mfr. and model     | Continental ProContact TX          |
| Revs per km (mile) | 449 (724)                          |
| Availability       | Standard — Trailhawk               |
| Size and type      | P245/65R17 OWL All-terrain         |
| Mfr. and model     | Firestone Destination A/T          |
| Revs per km (mile) | 443 (713)                          |
| Availability       | Standard — Overland                |
| Size and type      | P235/50R19                         |
| Mfr. and model     | Bridgestone Dueler H/L             |
| Revs per km (mile) | 466 (752)                          |