

## 2020 JEEP® CHEROKEE 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

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-LITER TURBO I-4 ENGINE WITH ENGINE STOP-START (ESS)

Availability	Optional – Latitude Plus, Limited and Trailhawk
Type and Description	Inline Turbo DOHC
Displacement	121.7 cu. in. (1995 cc)
Bore x Stroke	3.31 x 3.54 (84.0 x 90)
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/liter)

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	5.0 quarts (4.7 liters)
Coolant Capacity	3.4 quarts (3.25 liters)
Emission Controls	Cooled, high-pressure EGR. Close coupled three-way catalytic converters. Engine stop-start technology <sup>(a)</sup>
EPA Fuel Economy mpg (city/hwy/combined)	23/31/26 – 4x2
	21/29/24 – Jeep Active Drive I
	20/27/23 – Jeep Active Drive II
	20/26/22 – Jeep Active Drive Lock
Engine Assembly Plant	Trenton Engine Plant, Trenton, Michigan

(a) Meets Bin70 / SULEV 70 emission standard in all 50 states.

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

Availability	Standard – Limited 4x4 and Trailhawk
	Optional – Latitude, Latitude Plus, Limited
Type and Description	60-degree V-type, liquid-cooled
Displacement	197.7 cu. in. (3,239 cc)
Bore x Stroke	3.58 x 3.27 (91.0 x 83.0)
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/liter)
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	6.0 quarts (5.7 liters)
Coolant Capacity	9.7 quarts (9.2 liters)
Emission Controls	Two mini-oxidation three-way catalytic converters; four heated oxygen sensors; and internal engine features <sup>(b)</sup>
	Engine stop-start technology
EPA Fuel Economy mpg (city/hwy/combined)	20/29/23 – 4x2
	19/27/22 – Jeep Active Drive I
	18/26/21 – Jeep Active Drive II
	18/24/21 – Jeep Active Drive Lock
Engine Assembly Plant	Trenton Engine, Trenton, Michigan

(b) Meets Bin70 / SULEV 70 emission standard in all 50 states.

#### ENGINE: 2.4-LITER PZEV MULTI-AIR<sup>2</sup> TIGERSHARK I-4 WITH ENGINE STOP-START (ESS)

Availability	Standard – Latitude, Latitude Plus, Limited FWD
Type and Description	Inline four-cylinder, 16-valve MultiAir with multiport fuel injection
Displacement	144 cu. in. (2,360 cc)
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	5.5 quarts (5.2 liters)
Coolant Capacity	7.1 quarts (6.7 liters)
Emission Controls	Single catalytic converter, heated wide band lambda sensor upstream and mid-catalyst heated oxygen sensor <sup>(c)</sup>
	Bin 70 / SULEV 30 with zero evaporative emissions
EPA Fuel Economy mpg (city/hwy/combined)	22/31/25 – 4x2
	21/29/24 – Jeep Active Drive I
Engine Assembly Plant	Dundee Engine Plant, Dundee, Michigan

(c) Meets Bin70 / SULEV 70 emission standard in all 50 states.

#### 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-liter 4x2 – 3.251
	3.2-liter 4x4 (non-trailer tow) – 3.251
	3.2-liter 4x4 (trailer tow) – 3.517
	3.2-liter 4x4 Active Drive II and Trailhawk – 3.517
	2.4-liter 4x2 – 3.734
	2.4-liter 4x4 (non-Trailhawk) – 3.734
	2.0-liter Turbo – 3.734

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

Availability	Jeep Active Drive I optional on Latitude, Latitude Plus and Limited models. Jeep Active Drive II optional on Latitude Plus and Limited 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
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: 37.6 (11.5)
	4x4 I: 37.7 (11.5)
	4x4 II: 38.0 (11.6)
	4x4 Jeep Active Drive Lock: 38.1 (11.6)
Steering Turns (lock-to-lock)	2.56 4x2 and 4x4, 2.67 4x4 Lock

**BRAKES**

Front	
Size and type	13 x 1.1 (330 x 28) vented rotor with 2.36 (60) single-piston floating caliper
	13 x 1.1 (330 x 28) vented rotor with 1.89 (48) twin piston floating caliper (available)
Swept area (per caliper)	100.9 sq. in. (651.1 sq. cm), 1 x 60; 130.1 sq. in. (839.4 sq. cm), 2 x 48
Rear	
Size and type	10.95 x 0.47 (278 x 12) solid rotor with 1.5 (38) single-piston floating caliper
	12.6 x 0.47 (320 x 12) solid rotor with 1.69 (43) single piston floating caliper (available)
Swept area (per caliper)	99.0 sq. in. (638.6 sq. cm) 1 x 38; 117.0 sq. in. (754.8 sq. cm) 1 x 43
Power-assist Type	9 + 9 (230 + 230) 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	106.48 (2,705) 4x2, 106.6 (2,707) 4x4 I, 107.1 (2,719.8) 4x4 Lock
Track, Front	62.7 (1,594) 4x4, 4x2, 4x4 II, and 63.6 (1,614.4) 4x4 Lock
Track, Rear	63.1 (1,601.2) 4x4 and 4x2, 62.7 (1,594.1) 4x4 II, and 63.5 (1,614.1) 4x4 Lock
Overall Length (NAFTA vehicles)	183.1 (4,650) on-road 182.9 (4,645) Trailhawk
Overall Width	73.2 (1,858.8) 4x2 and 4x4, 74.9 (1,903.6) 4x4 Lock
Overall Height (with roof rack)	66.2 (1,682.9) 4x4, 65.7 (1,670.2) 4x2, 67.3 (1,710) 4x4 II, and 67.8 (1,723.3) 4x4 Lock
Load-floor Height	30.9 (785.6) 4x4
Sill-step Height	17.9 (453.8) front step height, 18.1 (460.8) rear step height, 4x4
Ground Clearances Trailhawk (4x4 with P245/65R17 tires)	8.7 (221.6) minimum running ground clearance (4x4 Lock)
Chassis	9.7 (247.8) cradle bolt head / 8.8 (222.9) front underbody skid plate
Fuel Tank	10.5 (266.2) (bolt under fuel tank) / 10 (255.3) brush guard
Front Axle	10.4 (265.4) two-speed PTU heat shield
Rear Axle	9.7 (246.4) 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-liter FWD with grille shutters)
Fuel Tank Capacity	15.9 gallons (60.0 liters)

Maximum Occupants and Cargo Weight, lbs. (kg)	1,000 (454)
Tow Capacity, lbs. (kg)	
All models without Trailer Tow Group and equipped with aftermarket Class II type hitch	2,000 (907)
2.4-liter engine automatic transmission with Trailer Tow Package (Class III)	2,000 (907)
2.0-liter engine automatic transmission with Trailer Tow Package (Class III)	4,000 (1,800)
3.2-liter engine automatic transmission with Trailer Tow Package (Class III)	4,500 (2,041)
Curb Weight, lbs. (kg)	
2.4-liter 4x2	3,590 (1,629)
3.2-liter 4x2	3,710 (1,683)
2.0-liter 4x2	3,730 (1,692)
2.4-liter 4x4	3,875 (1,758)
3.2-liter 4x4	3,960 (1,798)
2.0-liter 4x4	4,000 (1,815)
3.2-liter 4x4 Lock	4,250 (1,928)
2.0-liter 4x4 Lock	4,260 (1,933)
Weight Distribution, 4x4, percent F/R	57/43
Weight Distribution, 4x2, percent F/R	58/42
GVWR	5,050 lbs. – 2.4-liter FWD
	5,500 lbs. – 2.4-liter 4x4, 3.2-liter FWD, 3.2-liter 4x4

(a) All dimensions measured with two passengers.



## ACCOMMODATIONS

Seating Capacity – Front/Rear	2/3
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## Front Row

Headroom without sunroof	39.4 (999.9)
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Headroom with sunroof	37.9 (964.5)
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Legroom	41.1 (1,045)
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Shoulder room	57.6 (1,462.3)
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Hip room	53.8 (1,366.6)
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Seat travel	8.3 (210) driver / 7.5 (190) front passenger
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Recliner range (degrees)	8 to 76 (manual) / 8 to 55.25 (powered)
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SAE volume (standard roof)	53.98 cu. ft.
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## Second Row

Headroom	38.5 (978.2)
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Legroom	40.3 (1,023.2)
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Knee clearance	3.5 (90.1)
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Shoulder room	55.1 (1,399.8)
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Hip room	49.9 (1,268.1)
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Recliner range (degrees)	19.25 to 25.25
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SAE cargo volume (cu. ft.)	49.47
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## Cargo Access

Liftover height	30.9 (785.6) 4x4
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Maximum cargo width at liftgate opening	41.4 (1,051) without subwoofer
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Minimum cargo width at liftgate opening	36.1 (917.2) at top of opening
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Maximum cargo height at liftgate opening	32.5 (825.0) 4x4 Lock
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Minimum cargo height at liftgate opening	30.7 (780.0) 4x2
Distance between wheelhouse interior trim	39.4 (1,000.5)
SAE Cargo Volume	
Rear seats up, cu. ft. (cu. m)	25.8 (0.7)
	27.6 (0.8) with cargo floor in lower position
Rear seats folded, cu. ft. (cu. m)	54.7 (1.5)
EPA interior volume index, cu. ft. (cu. m)	128 (3.625)
Behind rear seat – sliding	24.6 cu. ft. (0.7 cu. m) rear seat at design position
	26.9 cu. ft. (0.76 cu. m) rear seat at mid travel
	29.1 cu. ft. (0.82 cu. m) rear seat at full forward
Behind front-row seats with rear seats folded, cu. ft. (cu. m)	54.7 (1.5)

## WHEELS

Availability	Standard – Latitude
Type and material	Tech Silver cast aluminum
Size	17 x 7
Availability	Standard – Latitude Plus
Type and material	Satin Carbon cast aluminum
Size	17 x 7
Availability	Standard – Limited
Type and material	Polished aluminum with Technical Grey pockets
Size	18 x 7

Availability	Standard – Trailhawk
Type and material	Polished Aluminum with Titanium II pockets
Size	17 x 7.5
Availability	Optional – Trailhawk
Type and material	Jet Black semi-gloss painted aluminum
Size	17 x 7.5

**TIRES**

Availability	Standard – Latitude 4x2 and Latitude Plus 4x2
Size and type	225/60R17 BSW, All-season
Mfr. and model	Firestone Destination LE2
Revs per mile (km)	757 (470)
Availability	Standard – Limited 4x2
Size and type	225/55R18 BSW, All-season
Mfr. and model	Continental ProContact TX
Revs per mile (km)	745 (462)
Availability	Standard – Latitude 4x4 and Latitude Plus 4x4
Size and type	225/65R17 BSW, All-season
Mfr. and model	Firestone Destination LE2
Revs per mile (km)	734 (456)

Availability	Available – Limited 4x4
Size and type	225/60R18 BSW, All-season
Mfr. and model	Continental ProContact TX
Revs per mile (km)	724 (449)
Availability	Standard – Trailhawk
Size and type	P245/65R17 OWL All-terrain
Mfr. and model	Firestone Destination A/T
Revs per mile (km)	713 (443)

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