

FCA CANADA

2019 Ram 1500

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	Quad Cab and Crew Cab, 2WD, 4WD
Assembly Plant	Sterling Heights, Michigan
Energide Vehicle Class	Standard Pickup

BODY/CHASSIS

Layout	2WD — Longitudinal, front engine
	4WD — Longitudinal, front engine, transfer case
Construction	2WD — Ladder-type frame, steel cab, double-wall steel pickup box
	4WD — Ladder-type frame, steel cab, double-wall steel pickup box

ENGINE: 3.6-LITRE PENTASTAR V6 WITH eTORQUE (Late availability)

Type and Description	60-degree V-type, liquid-cooled
Hybrid Battery	48-volt, 12-cell lithium-ion, nickel manganese cobalt (NMC) graphite chemistry, .43 kWh
Belt-starter Generator	9kW power, 90 lb.-ft. launch torque
Displacement	3,604 cu. cm (220 cu. in.)
Bore x Stroke	96.0 x 83.0 (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	305 hp (224 kW) at 6,400 rpm
Torque	269 lb-ft (364 N•m) at 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)

Fuel Requirement	Unleaded regular, 87 octane
Oil Capacity	5.7 litres (6.0 quarts)
Coolant Capacity	13.25 litres (14.0 quarts)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors
EnerGuide (2019) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) city/hwy/combined	TBA

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

ENGINE: 5.7-LITRE HEMI® V8

Type and Description	90-degree V8, 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-cam timing, pushrod-operated overhead valves, 16 valves, hydraulic lifters with roller followers
Fuel Injection	Sequential, multiport, 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	395 hp (291 kW) @ 5,600 rpm
Torque	410 lb-ft (556 N•m) @ 3,950 rpm
Max. Engine Speed	5,800 rpm
Fuel Requirement	Unleaded mid-grade, 89 octane — recommended Unleaded regular, 87 octane — acceptable
Oil Capacity	6.6 litres (7.0 quarts)
Coolant Capacity	13.33 litres (14.0 quarts)
Emission Controls	Three-way catalytic converters, heated oxygen sensors and internal engine features
EnerGuide (2019) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) city/hwy/combined	4x2 – 16.2(17)/10.5(27)/13.6(21) 4x4 – 16.1(18)/11.0(26)/13.8(20)

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

ENGINE: 5.7-LITRE HEMI V8 eTORQUE

Type and Description	90-degree V-8, liquid-cooled
Hybrid Battery	48-volt, 12-cell lithium-ion, nickel manganese cobalt (NMC) graphite chemistry, .43 kWh
Belt-starter Generator	12kW power, 130 lb-ft launch torque
Displacement	5,654 cu. cm (345 cu. in.)
Bore x Stroke	99.5 x 90.9 (3.92 x 3.58)
Valve System	Variable-cam timing, pushrod-operated overhead valves, 16 valves, hydraulic lifters with roller followers
Fuel Injection	Sequential, multiport, 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	395 hp (291 kW) @ 5,600 rpm
Torque	410 lb-ft (556 N•m) @ 3,950 rpm
Max. Engine Speed	5,800 rpm
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — recommended Unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	6.6 litres (7.0 quarts)
Coolant Capacity	13.33 litres (14.0 quarts)
Emission Controls	Three-way catalytic converters, heated oxygen sensors and internal engine features
EnerGuide (2019) Fuel Consumption Ratings	4x2 – 14.1(20)/10.3(27)/12.4(23)
L/100 km (MPG – imp. gal.) city/hwy/combined	4x4 – 14.3(20)/11.1(25)/12.9(22)

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

TRANSMISSION: TORQUEFLITE 845RE EIGHT-SPEED AUTOMATIC

Availability	Standard with 3.6-litre Pentastar V-6
Description	Adaptive electronic control, automatic or Electronic Range Select (ERS) manual control. Five-clutch-pack design with only two open clutches in any gear. Torque converter lock with turbine torsional damper for low lock-up speeds in 1st through 8th gear
Gear Ratios	
1st	4.71
2nd	3.14

3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30
Axle Ratios	3.21, 3.55

TRANSMISSION: TORQUEFLITE 8HP75 EIGHT-SPEED AUTOMATIC

Availability	Standard with 5.7-litre HEMI V-8 and 5.7-litre V-8 with eTorque assist
Description	Adaptive electronic control, automatic or ERS manual control. Five-clutch-pack design with only two open clutches in any gear. Torque converter lock with turbine torsional damper for low lock-up speeds in 1st through 8th gear
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30
Axle Ratios	3.21, 3.55 (excluding 5.7-litre HEMI V-8), 3.92

TRANSFER CASE: BW 48-12 PART-TIME

Availability	3.6-litre Pentastar V-6 4x4 with eTorque assist, 5.7-litre HEMI V-8 4x4 and 5.7-litre HEMI V-8 with eTorque assist
Shift Mechanism	Electric
Available Speeds	Two-speed
Operating Modes	2WD High; 4WD High, Locked; Neutral; 4WD Low, Locked
Low-range Ratio	2.64

Center Differential Type	None
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TRANSFER CASE: BW 48-11 ON-DEMAND

Availability	5.7-litre HEMI V-8 4x4 and 5.7-litre HEMI V-8 with eTorque assist
Shift Mechanism	Electric
Available Speeds	Two-speed
Operating Modes	2WD High; 4WD Auto; 4WD High, Locked; Neutral; 4WD Low, Locked
Low-range Ratio	2.64
Center Differential Type	None

AXLES

Front	215mm
Rear	235mm (standard) with available open, limited slip or electronic locking differential, optional thermal management axle
	256mm (optional max tow with Dana Super 60 center section)
Available Ratios	3.21, 3.55, 3.92

ELECTRICAL SYSTEM

Architecture	Powernet
Alternator	160-amp, 180-amp, 220-amp (Special Services Package)
Battery	Group 94R, low-maintenance H7 730 CCA (3.6-litre Pentastar V-6, 5.7-litre HEMI V-8 and 5.7-litre HEMI V-8 eTorque assist)

SUSPENSION

Front	Upper and lower A-arms, coil springs, twin-tube shock absorbers and stabilizer bar. Optional air suspension replaces twin-tube shock absorbers and progressive rate coil springs
Rear	Five-link with track bar, progressive rate coil springs, stabilizer bar, twin-tube shock absorbers, solid axle. Optional air suspension replaces progressive rate coil springs

BRAKES

Front	
Size and Type	378 x 30 mm (14.9 x 1.2 in) vented disc with 57 mm (2.2 in.) two-piston pin-slider caliper and anti-lock braking system (ABS)

Swept Area	3,184 sq. cm (493.6 sq.in.)
Rear	
Size and Type	375 x 22 (14.8 x 0.87) disc with 57 mm (2.2 in.) single-piston pin-slider caliper and ABS
Swept Area	2,371 sq. cm (367.6 sq.in.)
Power-assist	Dual-rate, tandem diaphragm vacuum

AIR BAGS

Quad Cab	6
Crew Cab	6

EXTERIOR DIMENSIONS

QUAD CAB PICKUP, 6FT., 4IN. BOX

MODEL – TIRE SIZE	2WD - 275/55R20	4WD - 275/55R20
Wheelbase (nominal)	3,569 (140.5)	3,569 (140.5)
Track, Front	1,741 (68.5)	1,741 (68.5)
Track, Rear	1,729 (68.1)	1,729 (68.1)
Overall Length	5,814 (228.9)	5,814 (228.9)
Overall Width	2,084 (82.1)	2,084 (82.1)
Overall Height	1,971 (77.6)	1,973 (77.7)

GROUND CLEARANCE	2WD - 275/55R20	4WD - 275/55R20
Front Axle	199 (7.8)	208 (8.2)
Rear Axle	221 (8.7)	221 (8.7)
Open Tailgate to Ground	979 (34.6)	875 (34.4)
Pickup Body Height	545 (21.4)	545 (21.4)
Approach Angle, degrees	18.1	18.9
Departure Angle, degrees	25.2	25.0

Ramp Breakover Angle Without Skid Plate, degrees	19.5	19.9
Ramp Breakover Angle With Skid Plate, degrees	—	17.8
Ground Clearance Without Skid Plate	213 (8.4)	221 (8.7)
Ground Clearance With Skid Plate	—	(208 (8.2))
Fuel Tank Capacity	87 litre (23-gal.) (standard) 98 litre (26-gal.) (standard) 125 litre (33-gal.) (optional)	87 litre (23-gal.) (standard) 98 litre (26-gal.) (standard) 125 litre (33-gal.) (optional)

QUAD CAB PICKUP, 6FT., 4IN. BOX – AIR SUSPENSION, 4X2 AND 4X4

TIRE SIZE: 275/55R20

SUSPENSION MODE	ENTRY / EXIT	NORMAL RIDE HEIGHT	OFF ROAD 1	OFF ROAD 2
Wheelbase (nominal)	3,569 (140.5)	3,569 (140.5)	3,569 (140.5)	3,569 (140.5)
Track, Front	1,741 (68.5)	1,741 (68.5)	1,741 (68.5)	1,741 (68.5)
Track, Rear	1,729 (68.1)	1,729 (68.1)	1,729 (68.1)	1,729 (68.1)
Overall Length	5,814 (228.9)	5,814 (228.9)	5,814 (228.9)	5,814 (228.9)
Overall Width	2,084 (82.1)	2,084 (82.1)	2,084 (82.1)	2,084 (82.1)
Overall Height	1,927 (75.9)	1,973 (77.7)	1,998 (78.7)	2,025 (79.7)

GROUND CLEARANCE	ENTRY / EXIT	NORMAL RIDE HEIGHT	OFF ROAD 1	OFF ROAD 2
Front Axle	208 (8.2)	208 (8.2)	208 (8.2)	208 (8.2)
Rear Axle	221 (8.7)	221 (8.7)	221 (8.7)	221 (8.7)
Open Tailgate to Ground	836 (32.9)	875 (34.4)	893 (35.1)	925 (36.4)
Pickup Body Height	545 (21.4)	545 (21.4)	545 (21.4)	545 (21.4)
Approach Angle, degrees	14.4	18.9	21.5	23.1
Departure Angle, degrees	22.5	25.0	25.9	27.3
Ramp Breakover Angle Without Skid Plate, degrees	16.5	19.9	21.8	23.5

Ramp Breakover Angle With Skid Plate, degrees	14.4	17.8	19.7	21.3
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QUAD CAB PICKUP, 6FT., 4IN. BOX – AIR SUSPENSION, 4X2 AND 4X4

GROUND CLEARANCE	ENTRY / EXIT	NORMAL RIDE HEIGHT	OFF ROAD 1	OFF ROAD 2
Ground Clearance Without Skid Plate	169 (6.7)	221 (8.7)	251 (9.9)	273 (10.7)
Ground Clearance With Skid Plate	156 (6.1)	208 (8.2)	238 (9.4)	260 (10.2)
Fuel Tank Capacity		87 litre (23-gal.) (standard) 98 litre (26-gal.) (standard) 125 litre (33-gal.) (optional)		

CREW CAB PICKUP

MODEL – TIRE SIZE	2WD – 275/55R20		4WD – 275/55R20	
	5FT., 7IN.	6FT., 4IN.	5FT., 7IN.	6FT., 4IN.
Wheelbase (nominal)	3,672 (144.6)	3,898 (153.5)	3,672 (144.6)	3,898 (153.5)
Track, Front	1,741 (68.5)	1,741 (68.5)	1,741 (68.5)	1,741 (68.5)
Track, Rear	1,729 (68.1)	1,729 (68.1)	1,729 (68.1)	1,729 (68.1)
Overall Length	5,916 (232.9)	6,142 (241.8)	5,916 (232.9)	6,142 (241.8)
Overall Width	2,084 (82.1)	2,084 (82.1)	2,084 (82.1)	2,084 (82.1)
Overall Height	1,968 (77.5)	1,966 (77.4)	1,971 (77.6)	1,968 (77.5)
GROUND CLEARANCE	5FT., 7IN.	6FT., 4IN.	5FT., 7IN.	6FT., 4IN.
Front Axle	199 (7.8)	199 (7.8)	209 (8.2)	207 (8.1)

Rear Axle	220 (8.6)	220 (8.7)	220 (8.7)	220 (8.6)
Open Tailgate to Ground	877 (34.5)	875 (34.4)	872 (34.3)	871 (34.3)
Pickup Body Height	543 (21.4)	545 (21.4)	543 (21.4)	545 (21.4)
Approach Angle, degrees	18.0	18.1	19.0	18.9
Departure Angle, degrees	25.1	25.0	24.9	24.9

CREW CAB PICKUP

MODEL – TIRE SIZE	2WD – 275/55R20		4WD – 275/55R20	
GROUND CLEARANCE	5FT., 7IN.	6FT., 4IN.	5FT., 7IN.	6FT., 4IN.
Ramp Breakover Angle Without Skid Plate, degrees	19.0	18.4	19.5	18.7
Ramp Breakover Angle With Skid Plate, degrees	—	—	17.5	16.7
Ground Clearance Without Skid Plate	211 (8.3)	212 (8.3)	222 (8.7)	220 (8.6)
Ground Clearance With Skid Plate	—	—	209 (8.2)	207 (8.1)
Fuel Tank Capacity	87 litre (23-gal.) (standard)		98 litre (26-gal.) (standard)	
			125 litre (33-gal.) (optional)	

CREW CAB, 5FT., 7IN. BOX – AIR SUSPENSION, 4X2 AND 4X4

TIRE SIZE: 275/55R20

SUSPENSION MODE	ENTRY / EXIT	NORMAL RIDE HEIGHT	OFF ROAD 1	OFF ROAD 2
Wheelbase (nominal)	3,672 (144.6)	3,672 (144.6)	3,672 (144.6)	3,672 (144.6)
Track, Front	1,741 (68.5)	1,741 (68.5)	1,741 (68.5)	1,741 (68.5)
Track, Rear	1,729 (68.1)	1,729 (68.1)	1,729 (68.1)	1,729 (68.1)

Overall Length	5,916 (232.9)	5,916 (232.9)	5,916 (232.9)	5,916 (232.9)
Overall Width	2,084 (82.1)	2,084 (82.1)	2,084 (82.1)	2,084 (82.1)
Overall Height	1,926 (75.8)	1,971 (77.6)	1,996 (78.6)	2,023 (79.6)

CREW CAB, 5FT., 7IN. BOX – AIR SUSPENSION, 4X2 AND 4X4

TIRE SIZE: 275/55R20

GROUND CLEARANCE	ENTRY / EXIT	NORMAL RIDE HEIGHT	OFF ROAD 1	OFF ROAD 2
Front Axle	209 (8.2)	209 (8.2)	209 (8.2)	209 (8.2)
Rear Axle	220 (8.7)	220 (8.7)	220 (8.7)	220 (8.7)
Open Tailgate to Ground	833 (32.8)	872 (34.3)	890 (35.0)	923 (36.3)
Pickup Body Height	543 (21.4)	543 (21.4)	543 (21.4)	543 (21.4)
Approach Angle, degrees	14.6	19.0	21.7	23.3
Departure Angle, degrees	22.4	24.9	25.8	27.2
Ramp Breakover Angle Without Skid Plate, degrees	16.2	19.5	21.4	23.0
Ramp Breakover Angle With Skid Plate, degrees	14.2	17.5	19.3	21.0
Ground Clearance Without Skid Plate	170 (6.7)	222 (8.7)	252 (9.9)	273 (10.8)
Ground Clearance With Skid Plate	157 (6.2)	209 (8.2)	239 (9.4)	261 (10.3)
Fuel Tank Capacity		87 litre (23-gal.) (standard) 98 litre (26-gal.) (standard) 125 litre (33-gal.) (optional)		

CREW CAB, 6FT., 4IN. BOX – AIR SUSPENSION, 4X2 AND 4X4

TIRE SIZE: 275/55R20

SUSPENSION MODE	ENTRY / EXIT	NORMAL RIDE HEIGHT	OFF ROAD 1	OFF ROAD 2
Wheelbase (nominal)	3,898 (153.5)	3,898 (153.5)	3,898 (153.5)	3,898 (153.5)
Track, Front	1,741 (68.5)	1,741 (68.5)	1,741 (68.5)	1,741 (68.5)

CREW CAB, 6FT., 4IN. BOX – AIR SUSPENSION, 4X2 AND 4X4

TIRE SIZE: 275/55R20

SUSPENSION MODE	ENTRY / EXIT	NORMAL RIDE HEIGHT	OFF ROAD 1	OFF ROAD 2
Track, Rear	1,729 (68.1)	1,729 (68.1)	1,729 (68.1)	1,729 (68.1)
Overall Length	6,142 (241.8)	6,142 (241.8)	6,142 (241.8)	6,142 (241.8)
Overall Width	2,084 (82.1)	2,084 (82.1)	2,084 (82.1)	2,084 (82.1)
Overall Height	1,922 (75.7)	1,968 (77.5)	1,993 (78.4)	2,019 (79.5)

GROUND CLEARANCE	ENTRY / EXIT	NORMAL RIDE HEIGHT	OFF ROAD 1	OFF ROAD 2
Front Axle	207 (8.1)	207 (8.1)	207 (8.1)	207 (8.1)
Rear Axle	220 (8.6)	220 (8.6)	220 (8.6)	220 (8.6)
Open Tailgate to Ground	832 (32.7)	871 (34.3)	889 (35.0)	922 (36.3)
Pickup Body Height	545 (21.4)	545 (21.4)	545 (21.4)	545 (21.4)
Approach Angle, degrees	14.5	18.9	21.5	23.1
Departure Angle, degrees	22.7	24.9	25.8	27.1
Ramp Breakover Angle Without Skid Plate, degrees	15.5	18.7	20.6	22.1
Ramp Breakover Angle With Skid Plate, degrees	13.5	16.7	18.5	20.1
Ground Clearance Without Skid Plate	168 (6.6)	220 (8.6)	250 (9.8)	271 (10.7)
Ground Clearance With Skid Plate	155 (6.1)	207 (8.1)	237 (9.3)	259 (10.2)
Fuel Tank Capacity		87 litres (19.1 imperial gallon) (standard) 98 litres (21.6 imperial gallon) (standard) 125 litres (27.1 imperial gallon) (optional)		

CARGO BOX

NOMINAL BOX SIZE	5FT., 7IN. (CREW)	6FT., 4IN. (REGULAR, QUAD OR CREW)
SAE volume, cu. m (cu. ft).	1.5 (53.9)	1.7 (61.5)
Length-at-Floor, Tailgate Closed	1,711 (67.4)	1,937 (76.3)
Cargo Width	1,687 (66.4)	1,687 (66.4)
Distance Between Wheelhouses	1,295 (51.0)	1,295 (51.0)
Depth	543 (21.4)	545 (21.5)
Tailgate Opening Width	1,525 (60.0)	1,525 (60.0)

INTERIOR DIMENSIONS**ACCOMMODATIONS**

MODEL	QUAD CAB	CREW CAB
Seating Capacity, F/R (max)	6	6

FRONT	QUAD CAB	CREW CAB
Headroom	1,038 (40.9)	1,038 (40.9)
Legroom	1,040 (40.9)	1,040 (40.9)
Shoulder Room	1,676 (66.0)	1,676 (66.0)
Hip Room	1,610 (63.4)	1,610 (63.4)
Seat Travel	220 (8.7)	220 (8.7)

FRONT	QUAD CAB	CREW CAB
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Recliner Range (degrees)	Total travel 71 degrees (from full forward)
	18 degrees forward (from design)
	53 degrees rearward (from design)

REAR	QUAD CAB	CREW CAB
Headroom	995 (39.2)	1,011 (39.8)
Legroom	903 (35.6)	1,147 (45.2)
Shoulder Room	1,668 (65.7)	1,670 (65.7)
Hip Room	1,610 (63.4)	1,611 (63.4)

INTERIOR VOLUME	QUAD CAB	CREW CAB
Front – cu. m (cu. ft.)	1.8 (63.9)	1.8 (63.9)
Rear – cu. m (cu. ft.)	1.5 (53.3)	1.9 (68.5)

STEERING SPECIFICATIONS

QUAD CAB PICKUP

MEASUREMENT	2WD SHORT BED	2WD LONG BED	4WD SHORT BED	4WD LONG BED	4WD REBEL
Wheelbase (nominal; mm/in)	3,569 / 140.5	3,569 / 140.5	3,569 / 140.5	3,569 / 140.5	3,569 / 140.5
Overall Ratio	16.3:1	16.3:1	16.3:1	16.3:1	17.8:1
Steering Wheel Turns (lock-to-lock)	3.1	3.1	3.1	3.1	3.4
18-in. Tire Turning Diameter (m/ft.)*	14.1 / 46.2	14.1 / 46.2	14.1 / 46.2	14.1 / 46.2	14.1 / 46.2
20-in. Tire Turning Diameter (m / ft.)*	13.74 / 45.1	13.74 / 45.1	13.74 / 45.1	13.74 / 45.1	NA

CREW CAB PICKUP

MEASUREMENT	2WD SHORT BED	2WD LONG BED	4WD SHORT BED	4WD LONG BED	4WD REBEL
Wheelbase (nominal)	3,672 / 144.6	3,898 / 153.5	3,572 / 144.6	3,898 / 153.5	3,572 / 144.6
Overall Ratio	16.3:1	15.5:1	16.3:1	15.5:1	17.8:1
Steering Wheel Turns (lock-to-lock)	3.1	2.9	3.1	2.9	3.4
18-in. Tire Turning Diameter (m / ft.)*	14.08 / 46.2	14.84 / 48.7	14.08 / 46.2	14.84 / 48.7	14.1 / 46.2
20-in. Tire Turning Diameter (m / ft.)*	14.08 / 46.2	14.84 / 48.7	14.08 / 46.2	14.84 / 48.7	NA

* = Curb-to-curb turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

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