



2018 RAM COMMERCIAL 3500 CHASSIS CAB SPECIFICATIONS

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*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	Chassis Cab: Regular Cab and Crew Cab
Assembly Plant	Saltillo Truck Assembly Plant, Coahuila, Mexico
EPA Vehicle Class	Large Pickup

ENGINE: 6.4-LITER HEMI® V-8

Availability	Standard
Type and Description	90-degree V-type, liquid-cooled, variable-valve timing (VVT)
Displacement	392 cu. in. (6,417 cu. cm)
Bore x Stroke	4.09 x 3.72 (103.9 x 94.6)
Valve System	Pushrod-operated overhead valves, 16 valves, eight de-activating and eight hydraulic lifters with roller followers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, 356 aluminum cylinder heads with hemispherical combustion chambers
Compression Ratio	10:1
Power	410 hp (302 kW) @ 5,600 rpm Up to 370 hp (267kW) @ 4,600 rpm (over 10k rating)
Torque	429 lb.-ft. (582 N•m) at 4,000 rpm
Maximum Engine Speed	5,800 rpm limited; 4,800 rpm with Aisin transmission
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	7 quarts (6.6 liters)
Coolant Capacity	16.6 quarts (15.8 liters)
Emission Control	Three-way catalytic converters, heated oxygen sensors, cooled electronic EGR and individual cylinder fuel control



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ENGINE: 6.7-LITER CUMMINS TURBO DIESEL I-6

Availability	Manual six-speed transmission
Type and Description	Inline, liquid-cooled, turbocharged, intercooled
Displacement	408 cu. in. (6,690 cu. cm)
Bore x Stroke	4.21 x 4.88 (107 x 124)
Valve System	Pushrod-operated overhead valves, 24 valves, solid lifters
Fuel Injection	Electronic high-pressure common rail
Construction	Cast-iron block and head
Compression Ratio	17.3:1
Power	320 bhp (239 kW) @ 2,800 rpm
Torque	650 lb.-ft. (881 N•m) @ 1,400 rpm
Maximum Engine Speed	3,200 rpm
Fuel Requirement	Ultra-low sulfur diesel
Oil Capacity	12.0 quarts (11.3 liters) with filter
Coolant Capacity	23.8 quarts (22.5 liters)
Emission Controls	Selective Catalytic Reduction (SCR)

ENGINE: 6.7-LITER HIGH OUTPUT CUMMINS TURBO DIESEL I-6

Availability	Optional (Aisin six-speed automatic)
Type and Description	Inline, liquid-cooled, turbocharged, intercooled
Displacement	408 cu. in. (6,690 cu. cm)
Bore x Stroke	4.21 x 4.88 (107 x 124)
Valve System	Pushrod-operated overhead valves, 24 valves, solid lifters
Fuel Injection	Electronic high-pressure common rail
Construction	Cast-iron block and head
Compression Ratio	17.3:1
Power	325 bhp (242 kW) @ 2,400 rpm
Torque	750 lb.-ft. (1,017 N•m) @ 1,500 rpm
Maximum Engine Speed	3,200 rpm
Fuel Requirement	Ultra-low sulfur diesel
Oil Capacity	12.0 quarts (11.3 liters) with filter
Coolant Capacity	23.8 quarts (22.5 liters)
Emission Controls	Selective Catalytic Reduction (SCR)



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TRANSMISSION: G56 — MANUAL SIX-SPEED OVERDRIVE

Availability	6.7-liter diesel
Description	Synchronized in all gears
Gear Ratios	
1st	5.94
2nd	3.28
3rd	1.98
4th	1.31
5th	1.0
6th	0.74
Reverse	5.42
Axle ratios	3.42, 3.73, 4.10
PTO	Left- or right-side with split-shaft capability

TRANSMISSION: 66RFE — AUTOMATIC SIX-SPEED

Availability	6.4-liter HEMI V-8
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.23
2nd	1.84
3rd	1.41
4th	1.00
5th	0.82
6th	0.63
Reverse	4.44
Axle ratios	5.7-liter: 4.10
	6.4-liter: 4.10



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TRANSMISSION: AS66RC — AUTOMATIC SIX-SPEED

Availability	6.4-liter HEMI V-8
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.75
2nd	2.0
3rd	1.34
4th	1.0
5th	0.77
6th	0.63
Reverse	3.54
Axle ratios	4.44
PTO	Left- or right-side capability

TRANSMISSION: AS69RC — AUTOMATIC SIX-SPEED

Availability	6.7-liter diesel
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.75
2nd	2.0
3rd	1.34
4th	1.0
5th	0.77
6th	0.63
Reverse	3.54
Axle ratios	3.42, 3.73, 4.10
PTO	Left- or right-side with split shaft capability

TRANSFER CASES: BW 44-46, BW 44-47

Availability	Optional on 6.7-liter diesel and 6.4-liter HEMI V-8
Type	Part-time – BW 44-47 manual shift and BW 44-46 electric shift
Operating Modes	2WD; 4WD High; Neutral; 4WD Low
Low-range Ratio	2.64
Center Differential	None



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AXLES

See Feature Availability chart

ELECTRICAL SYSTEM

See Feature Availability chart

SUSPENSION

Front	Three-link with track bar, coil springs, stabilizer bar, twin-tube shock absorbers, solid axle
Rear	Hotchkiss leaf spring suspension, solid axle

BRAKES

Front	14.2 x 1.5 (360 x 39) vented disc with twin 2.4 (60) piston caliper
Rear	14.1 x 1.3 (358 x 34) vented disc with twin 1.8 (45) piston caliper for SRW, 2.0 (51) for DRW
Power-assist	Hydroboost

AIR BAGS

Regular Cab	2
Crew Cab	2

STEERING

Power-assist	Hydraulic assist
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DIMENSIONS AND CAPACITIES

Regular Cab 143.5-in. WB, 60-in. CA SRW	4x2	4x4
Wheelbase	143.5 (3,644.9)	143.5 (3,644.9)
Turning diameter – ft. (m) ^(a)	45.0 (13.7)	55.5 (16.9)
Track Width – Front	76.0 (1,930.4)	76.0 (1,930.4)
Track Width – Rear	73.6 (1,869.4)	73.6 (1,869.4)
Overall Length	234.3 (5,952.1)	234.3 (5,952.1)
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9 (2,004.1)	78.9 (2,004.1)
Overall Height	80.1 (2,034.5)	80.1 (2,034.5)
Suspension or Axle to Ground – Front	10.3 (261.6)	8.7 (221.0)
Suspension or Axle to Ground – Rear	8.4 (213.4)	8.4 (213.4)
Approach Angle (degrees)	28.3	28.3



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Ramp Breakover Angle (degrees)	23.7	23.7
Departure Angle (degrees)	31.1	31.1
Regular Cab 143.5-in. WB, 60-in. CA DRW		
	4x2	4x4
Wheelbase	143.5 (3,644.9)	143.5 (3,644.9)
Turning diameter – ft. (m) ^(a)	45.0 (13.7)	55.5 (16.9)
Track Width – Front	76.0 (1,930.4)	76.0 (1,930.4)
Track Width – Rear	73.6 (1,869.4)	73.6 (1,869.4)
Overall Length	234.3 (5,952.1)	234.3 (5,952.1)
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9 (2,004.1)	78.9 (2,004.1)
Overall Height	80.1 (2,034.5)	80.1 (2,034.5)
Suspension or Axle to Ground – Front	10.3 (261.6)	8.7 (221.0)
Suspension or Axle to Ground – Rear	8.4 (213.4)	8.4 (213.4)
Approach Angle (degrees)	28.3	28.3
Ramp Breakover Angle (degrees)	23.7	23.7
Departure Angle (degrees)	31.1	31.1
Regular Cab 167.5-in. WB, 84-in. CA DRW		
	4x2	4x4
Wheelbase	167.5 (4,254.5)	167.5 (4,254.5)
Turning diameter – ft. (m) ^(a)	51.8 (15.8)	51.8 (15.8)
Track Width – Front	76.0 (1,930.4)	76.0 (1,930.4)
Track Width – Rear	73.6 (1,869.4)	73.6 (1,869.4)
Overall Length	258.3 (6,560.8)	258.3 (6,560.8)
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9 (2,004.1)	78.9 (2,004.1)
Overall Height	80.0 (2,032)	80.0 (2,032)
Suspension or Axle to Ground – Front	10.3 (261.6)	8.7 (221.0)
Suspension or Axle to Ground – Rear	8.4 (213.4)	8.4 (213.4)
Approach Angle (degrees)	28.4	28.4
Ramp Breakover Angle (degrees)	20.8	20.8
Departure Angle (degrees)	31.0	31.0
Crew Cab 172.4-in. WB, 60-in. CA DRW		
	4x2	4x4
Wheelbase	172.4 (4,379)	172.4 (4,379)
Turning diameter – ft. (m) ^(a)	53.2 (16.2)	53.2 (16.2)
Track Width – Front	76.0 (1,930.4)	76.0 (1,930.4)
Track Width – Rear	73.6 (1,869.4)	73.6 (1,869.4)



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Overall Length	282.3 (7,170.4)	282.3 (7,170.4)
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9 (2,004.1)	78.9 (2,004.1)
Overall Height	79.9 (2,029.5)	79.9 (2,029.5)
Suspension or Axle to Ground – Front	10.3 (261.6)	8.8 (223.5)
Suspension or Axle to Ground – Rear	8.4 (213.4)	8.4 (213.4)
Approach Angle (degrees)	28.5	28.5
Ramp Breakover Angle (degrees)	18.2	18.2
Departure Angle (degrees)	30.9	30.9

(a) 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.

ACCOMMODATIONS

<i>Model</i>	<i>Regular Cab</i>	<i>Crew Cab</i>
Seating Capacity, F/R	3/0 or 2/0	3/3 or 2/3
Front		
Headroom	39.9 (1,013.5)	41 (1,040.5)
Legroom	41 (1,041.4)	41 (1,041.4)
Shoulder Room	66 (1,676.4)	66 (1,676.4)
Hip Room	62.9 (1,598.7)	63.2 (1,605.3)
Seat Travel	9 (230.0)	9 (230.0)
Recliner Range (degrees)	85 (38 RWD, 47 FWD)	56 (38 RWD, 18 FWD)
Rear		
Headroom	N/A	39.9 (1,013.5)
Legroom	N/A	40.3 (1,023.3)
Shoulder Room	N/A	65.7 (1,668.8)
Hip Room	N/A	63.2 (1,605.3)
Interior Volume		
Front – cu. ft. (cu. m)	62.5 (1.8)	64.2 (1.8)
Rear – cu. ft. (cu. m)	N/A	61.1 (1.7)

