

2014 Ram 3500 Chassis Cab SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.

All dimensions measured at curb weight with standard tires and wheels.

NOTE: Information shown is correct at time of publication and is subject to change.

GENERAL INFORMATION

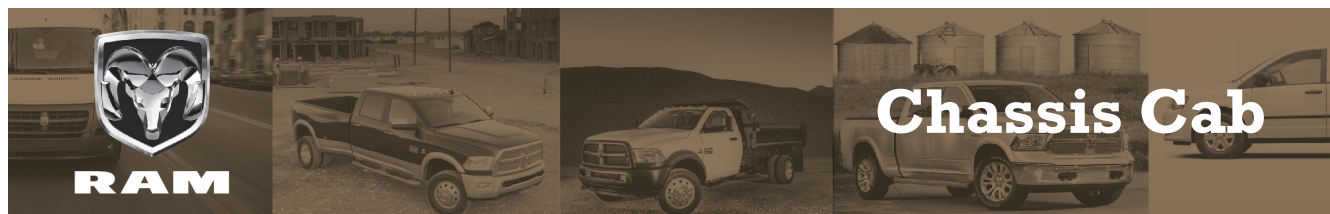
Vehicle Type	Chassis Cab: Regular Cab and Crew Cab
Assembly Plant	Saltillo Truck Assembly Plant, Saltillo, Mexico
EPA Vehicle Class	Large Pickup
Introduction	2007 Model Year

ENGINE: 5.7-LITER HEMI® V-8

Availability	Optional
Type and Description	Eight-cylinder, 90-degree V-type, liquid-cooled, with variable-valve timing (VVT)
Displacement	345 cu. in. (5654 cu. cm)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
Valve System	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 (SAE gross)	383 hp (286 kW) @ 5,600 rpm
Torque (SAE gross)	400 lb.-ft. (542 N•m) @ 4,000 rpm
Maximum 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	7.0 qt. (6.6 liter)
Coolant Capacity	17.30 liters
Emission Control	Dual three-way catalytic converters, internal engine features with knock sensors

ENGINE: 6.4-LITER HEMI® V-8

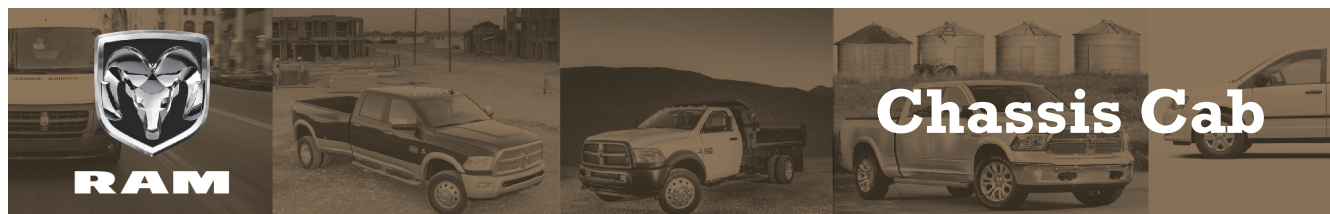
Availability	Standard
Type and Description	Eight-cylinder, 90-degree V-type, liquid-cooled, with variable-valve timing (VVT)



Displacement	392 cu. in. (6,417 cu. cm)
Bore x Stroke	4.09 x 3.72 (103.9x94.6)
Valve System	VVT, push-rod operated overhead valves (16, two-per-cylinder), eight de-activating and eight hydraulic lifters with all roller followers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bear caps, 356 aluminum cylinder heads with hemispherical combustion chambers
Compression Ratio	10:1
Power (SAE gross)	410 hp (302 kW) @ 5,600 rpm 370 hp (267kW) @ 4,600 rpm (over 10k rating)
Torque (SAE gross)	429 lb.-ft. (582 N•m) at 4,000 rpm
Maximum Engine Speed	5,800 rpm limited; 4,800 rpm with Aisin
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	7 qt. (6.6 liter)
Coolant Capacity	15.75 liters
Emission Control	Three-way catalytic converters, heated oxygen sensors, cooled electronic EGR and individual cylinder fuel control

ENGINE: 6.7-LITER CUMMINS TURBO DIESEL I-6

Availability	Manual six-speed transmission
Type and Description	Six-cylinder, 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	OHV, 24 valves, solid lifters
Fuel Injection	Electronic high-pressure common rail
Construction	Cast-iron block and head
Compression Ratio	17.3:1
Power (SAE gross)	320 hp (239 kW) @ 2,800 rpm
Torque (SAE gross)	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 qt. (11.3 liter) with filter
Coolant Capacity	22.50 liters
Emission Controls	Selective Catalytic Reduction (SCR)

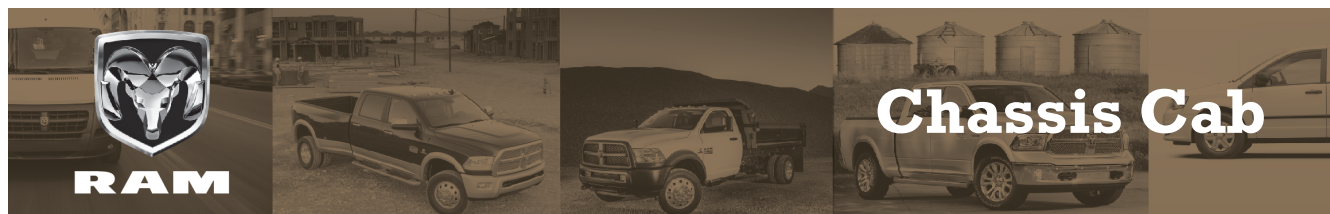


ENGINE: 6.7-LITER HIGH OUTPUT CUMMINS TURBO DIESEL I-6

Availability	Optional (Aisin six-speed automatic)
Type and Description	Six-cylinder, inline, liquid-cooled, turbocharged, intercooled
Displacement	408 cu. in. (6690 cu. cm)
Bore x Stroke	4.21 x 4.88 (107 mm x 124 mm)
Valve System	OHV, 24 valves, solid lifters
Fuel Injection	Electronic high-pressure common rail
Construction	Cast-iron block and head
Compression Ratio	17.3:1
Power (SAE gross)	325 hp (242 kW) @ 2,400 rpm
Torque (SAE gross)	750 lb.-ft. (1017 N•m) @ 1,500rpm
Maximum Engine Speed	3,200 rpm
Fuel Requirement	Ultra-low sulfur diesel
Oil Capacity	12.0 qt. (11.3 liter) with filter
Coolant Capacity	22.50 liters
Emission Controls	Selective Catalytic Reduction (SCR)

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	3500: 3.42, 3.73, 4.10
PTO	Left -or right-side with split shaft capability

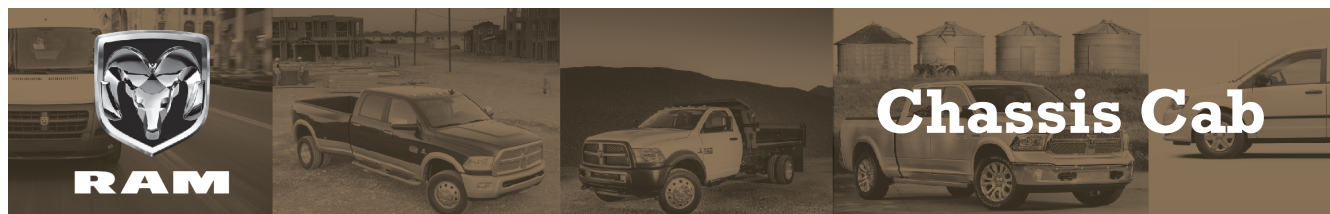


TRANSMISSION: 66RFE — AUTOMATIC SIX-SPEED

Availability	5.7-liter gas and 6.4-liter gas
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

TRANSMISSION: AS66RC — AUTOMATIC SIX-SPEED

Availability	6.4-liter gas
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	3500: 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	3500: 3.42, 3.73, 4.10
PTO	Left -or right-side with split shaft capability

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

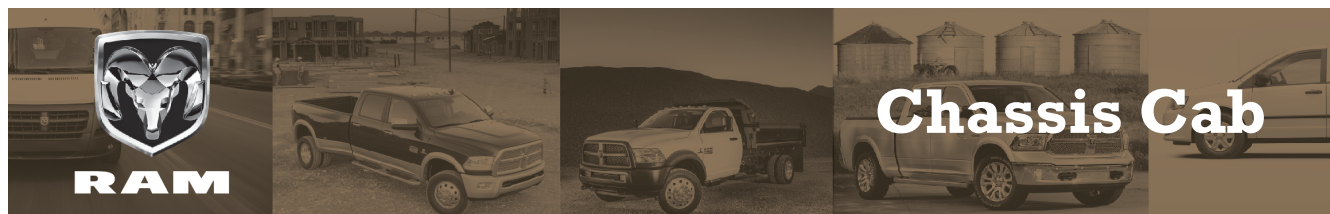
Availability	Optional on 6.7-liter diesel, 6.4-liter gas and 5.7-liter gas
Type	Part-time - BW 44-47 manual shift and BW 44-46 electric shift
Operating Modes	2WD; 4WD High; Neutral; 4WD Low
Low-range Ratio	2.64
Center Differential	None

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	360 x 39 vented disc with 2 x 60 front caliper
Rear	358 x 34 vented disc with 2 x 45 caliper for SRW, 2 x 51 for DRW
Power-assist	Hydroboost

AIR BAGS

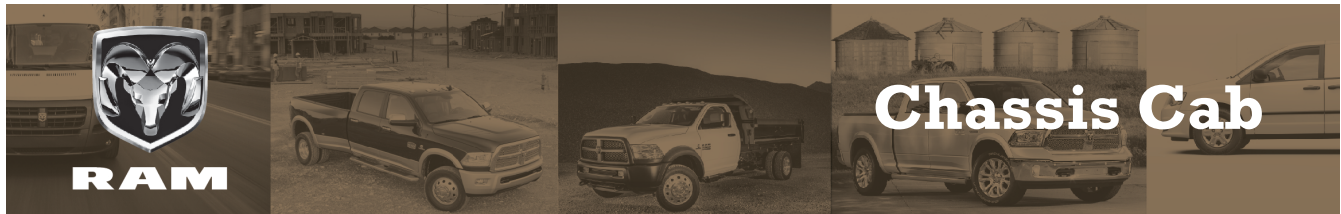
Reg Cab	2
Crew Cab	2

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	143.5
Turning diameter (a)	45.0	55.5
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6
Overall Length	234.3	234.3
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9	78.9
Overall Height	80.1	80.1
Suspension or Axle to Ground – Front	10.3	8.7
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.3	28.3
Ramp Breakover Angle	23.7	23.7

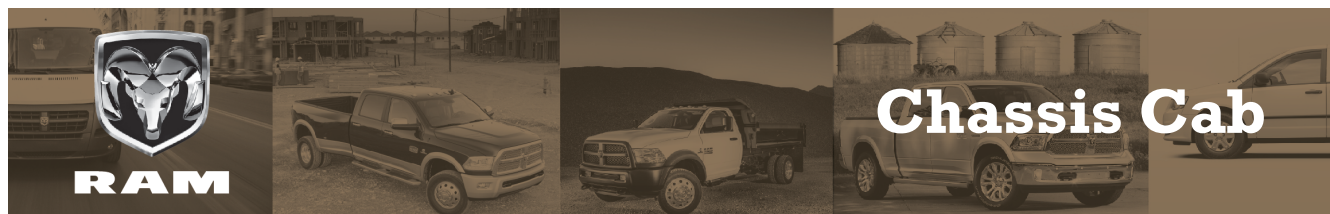


Departure Angle	31.1	31.1
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Regular Cab 143.5-in. WB 60-in. CA DRW	4x2	4x4
Wheelbase	143.5	143.5
Turning diameter (a)	55.5	45.0
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6
Overall Length	234.3	234.3
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9	78.9
Overall Height	80.1	80.1
Suspension or Axle to Ground – Front	10.3	8.7
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.3	28.3
Ramp Breakover Angle	23.7	23.7
Departure Angle	31.1	31.1

Regular Cab 167.5-in. WB 84-in. CA DRW	4x2	4x4
Wheelbase	167.5	167.5
Turning diameter (a)	51.75	51.75
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6
Overall Length	258.3	258.3
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9	78.9
Overall Height	80.0	80.0
Suspension or Axle to Ground – Front	10.3	8.7
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.4	28.4
Ramp Breakover Angle	20.8	20.8
Departure Angle	31.0	31.0

Crew Cab 172.4-in. WB 60-in. CA DRW	4x2	4x4
Wheelbase	172.4	172.4
Turning diameter (a)	53.17	53.17
Track Width – Front	76.0	76.0



Track Width – Rear	73.6	73.6
Overall Length	282.3	282.3
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9	78.9
Overall Height	79.9	79.9
Suspension or Axle to Ground – Front	10.3	8.8
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.5	28.5
Ramp Breakover Angle	18.2	18.2
Departure Angle	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

Model	Regular Cab	Crew Cab
Seating Capacity, F/R	3/0 or 2/0	3/3 or 2/3
Front		
Head Room – in. (mm)	39.9 (1,013.5)	41.0 (1,040.5)
Legroom – in. (mm)	41 (1,041.4)	41 (1,041.4)
Shoulder Room – in. (mm)	66 (1,676.4)	66 (1,676.4)
Hip Room – in. (mm)	62.9 (1,598.7)	63.2 (1,605.3)
Seat Travel – in. (mm)	9.0 (230.0)	9.0 (230.0)
Recliner Range (degrees)	85° (38 rwd, 47 fwd)	56° (38 rwd, 18 fwd)
Rear		
Head Room – in. (mm)	N/A	39.9 (1,013.5)
Legroom – in. (mm)	N/A	40.3 (1,023.3)
Shoulder Room – in. (mm)	N/A	65.7 (1,668.8)
Hip Room – in. (mm)	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)

