



2013 Ram 3500, 4500 & 5500 Chassis Cab PRELIMINARY 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.

Typical 2012 Ram 3500 Crew Cab Chassis Cab.

Some unique exceptions showing 4500 and 5500 complexity are included.

GENERAL INFORMATION

Vehicle Type	Chassis Cab: Regular Cab and Crew Cab
Assembly Plant	Saltillo Truck Assembly Plant, Saltillo, Mexico
EPA Vehicle Class	Medium Heavy Duty
Introduction	2007/2008 Model Year

ENGINE: 5.7-LITER HEMI® V-8

Availability	Standard on 3500
Type and Description	Eight-cylinder, 90-degree V-type, liquid-cooled, with variable-valve timing (VVT)
Displacement	343 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, multi-port, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	9.6:1
Power (SAE net)	383 hp (286 kW) @ 5,600 rpm
Torque (SAE net)	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	18.7 qt. (17.7 liter)
Emission Control	Dual three-way catalytic converters, internal engine features with knock sensors



ENGINE: 6.7-LITER CUMMINS TURBO DIESEL I-6

Availability	Optional on 3500, Standard on 4500 and 5500
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 net)	320 hp (239 kW) @ 2,900 rpm
Torque (SAE net)	650 lb.-ft. (485 N•m) @ 1,600 rpm
Maximum Engine Speed	3,000 rpm
Fuel Requirement	Ultra-low sulfur diesel
Oil Capacity	(Low ash req.) 12.0 qt. (11.3 liter) with filter
Coolant Capacity	32.7 qt. (30.9 liter)
Emission Controls	Selective Catalytic Reduction (SCR)

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

Availability	Optional on 3500, Standard on 4500 and 5500
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 net)	325 hp (242 kW) @ 2,900 rpm
Torque (SAE net)	750 lb.-ft. (559 N•m) @ 1,600 rpm
Maximum Engine Speed	3,500 rpm
Fuel Requirement	Ultra-low sulfur diesel
Oil Capacity	(Low ash req.) 12.0 qt. (11.3 liter) with filter
Coolant Capacity	32.7 qt. (30.9 liter)
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

TRANSMISSION: 66RFE — AUTOMATIC SIX-SPEED

Availability	5.7-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
Overall Top Gear	2.35 with 3.73 axle ratio; 2.58 with 4.10 axle ratio; 2.87 with 4.56 axle ratio

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
Overall Top Gear	2.15 with 3.42 axle ratio; 2.35 with 3.73 axle ratio; 2.58 with 4.10 axle ratio



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

Availability	Optional on 6.7-liter diesel 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

ELECTRICAL SYSTEM

Alternator	
Rating	160-amp standard with 5.7-liter
Rating	180-amp included with Snow Plow Prep Package standard with 6.7-liter, optional on 5.7-liter
Rating	220-amp (optional on 6.7-liter)
Rating	Dual 220-amp (optional on 6.7-liter)
Battery	
Availability	Standard — gas 3500
Description	Group 65, maintenance-free, 750 CCA
Availability	Optional — diesel 3500, standard — 4500 and 5500
Description	Dual, Group 65, maintenance-free, 750 CCA

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