

2012 Ram 3500/4500/5500 Chassis Cab

CANADIAN SPECIFICATIONS

All dimensions are in millimetres (inches) 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

Body Style	Chassis Cab: Regular Cab and Crew Cab
Assembly Plant	Saltillo Truck Assembly Plant, Saltillo, Mexico
EnerGuide Vehicle Class	Medium Heavy Duty
Introduction	2011 Model Year

ENGINE: 5.7-LITRE HEMI® V8

Availability	Standard on 3500
Type and Description	Eight-cylinder, 90-degree V-type, liquid-cooled, with variable-valve timing (VVT)
Displacement, cu. cm (cu. in.)	5,654 (343)
Bore x Stroke	99.5 x 90.9 (3.92 x 3.58)
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	383 hp @ 5,600 rpm
Torque	400 lb.-ft. @ 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, L (qt.)	6.6 (7.0)
Coolant Capacity, L (qt.)	17.7 (18.7)
Emission Control	Dual three-way catalytic converters, internal engine features with knock sensors

TRANSMISSION: 66RFE-AUTOMATIC SIX-SPEED

Availability	Standard — 5.7-litre engine 3500
Description	Planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1 st	3.23
2 nd	1.84 — upshift; 1.50 — kickdown
3 rd	1.41
4 th	1.00
5 th	0.82
6 th	.63
Reverse	4.44
Final Drive	2.58 with 4.10 axle ratio

TRANSMISSION: G56-MANUAL SIX-SPEED OVERDRIVE

Availability	Standard — Diesel 3500, Standard 4500 and 5500
Description	Synchronized in all gears
PTO Capable	Six-bolt mounting, left side
Gear Ratios	
1 st	5.94
2 nd	3.28
3 rd	1.98
4 th	1.3
5 th	1
6 th	0.74
Reverse	5.42
Final Drive	3.03 with 4.10 axle ratio, 3.29 with 4.44 axle ratio

TRANSMISSION: AISIN AS68RC SIX-SPEED

Availability	Optional — 3500 Diesel, Optional 4500 and 5500
PTO Capable (35 HP max)	Six-bolt mounting; right side
Description	Electronically controlled overdrive lockout, electronically controlled converter clutch
Gear Ratios	
1 st	3.74
2 nd	2.00
3 rd	1.34
4 th	1
5 th	0.77
6 th	0.63
Reverse	3.54
Overall Top Gear Ratio	2.80 with 4.44 axle ratio; 3.07 with 4.88 axle ratio

TRANSFER CASE: NV273, (NV271)

Availability	Standard (4x4) all models
Type	Part-time
Operating Modes	2WD; 4WD High; Neutral; 4WD Low
Shift Mechanism	NV273 — electric (NV271 manual)
Low-range Ratio	2.72
Centre Differential	None

2012 RAM 3500 CHASSIS CAB CANADIAN DIMENSIONS AND CAPACITIES

Regular Cab 3,632mm (143.5")WB 1,524mm (60")CA SRW

	4x2	4x4
Wheelbase	3,642 (143.4)	3,642 (143.4)
Track Width – Front	1,745 (68.7)	1,745 (68.7)
Track Width – Rear	1,730 (68.1)	1,730 (68.1)
Overall Length	5,951 (234.3)	5,951 (234.3)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,004 (78.9)	2,004 (78.9)
Overall Height	1,989 (78.3)	1,989 (78.3)
Suspension or Axle to Ground – Front	251 (9.9)	213 (8.4)
Suspension or Axle to Ground – Rear	191 (7.5)	191 (7.5)
Approach Angle	23.8	23.8
Ramp Breakover Angle	21.3	21.3
Departure Angle	29.2	29.2

Regular Cab 3,632mm (143.5")WB 1,524mm (60")CA DRW

	4x2	4x4
Wheelbase	3,642 (143.4)	3,642 (143.4)
Track Width - Front	1,768 (69.6)	1,768 (69.6)
Track Width - Rear	1,730 (68.1)	1,730 (68.1)
Overall Length	5,951 (234.3)	5,951 (234.3)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,004 (78.9)	2,004 (78.9)
Overall Height	1,991 (78.4)	1,991 (78.4)
Suspension or Axle to Ground - Front	254 (10.0)	213 (8.4)
Suspension or Axle to Ground - Rear	196 (7.7)	196 (7.7)
Approach Angle	23.9	23.9
Ramp Breakover Angle	21.4	21.4
Departure Angle	29.3	29.3

Regular Cab 4,254 (167.5")WB 2,136 (84")CA DRW

	4x2	4x4
Wheelbase	4,252 (167.4)	4,252 (167.4)
Track Width - Front	1,768 (69.6)	1,768 (69.6)
Track Width - Rear	1,821 (71.7)	1,821 (71.7)
Overall Length	6,561 (258.3)	6,561 (258.3)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,004 (78.9)	2,004 (78.9)
Overall Height	1,981 (78.0)	1,981 (78.0)
Suspension or Axle to Ground - Front	252 (10.0)	213 (8.4)
Suspension or Axle to Ground - Rear	193 (7.6)	193 (7.6)
Approach Angle	614 (24.2)	614 (24.2)
Ramp Breakover Angle	18.4	18.4
Departure Angle	28.4	28.4

Crew Cab 4,379mm (172.4") WB 1,524mm (60")CA SRW

	4x2	4x4
Wheelbase	4,376 (172.3)	4,376 (172.3)
Track Width - Front	1,745 (68.7)	1,745 (68.7)
Track Width - Rear	1,729 (68.1)	1,729 (68.1)
Overall Length	6,685 (263.2)	6,685 (263.2)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,009 (79.1)	2,009 (79.1)
Overall Height	2,002 (78.8)	2,002 (78.8)
Suspension or Axle to Ground - Front	251 (9.9)	211 (8.3)
Suspension or Axle to Ground - Rear	191 (7.5)	191 (7.5)
Approach Angle	23.9	23.9
Ramp Breakover Angle	18.3	18.3
Departure Angle	29.0	29.0

Crew Cab 4,379mm (172.4") WB 1524mm (60")CA DRW

	4x2	4x4
Wheelbase	4,379 (172.3)	4,379 (172.3)
Track Width - Front	1,768 (69.6)	1,768 (69.6)
Track Width - Rear	1,821 (71.7)	1,821 (71.7)
Overall Length	6,685 (263.2)	6,685 (263.2)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,009 (79.1)	2,009 (79.1)
Overall Height	1,994 (78.5)	1,994 (78.5)
Suspension or Axle to Ground - Front	251 (9.9)	213 (8.4)
Suspension or Axle to Ground - Rear	191 (7.5)	191 (7.5)
Approach Angle	24.3	24.3
Ramp Breakover Angle	18.0	18.0
Departure Angle	28.3	28.3

ACCOMMODATIONS

Model	Regular Cab	Crew Cab
Seating Capacity, F/R	3/0 or 2/0	3/3 or 2/3
Front		
Head Room – mm (in.)	1,022 (40.3)	1,040 (41.0)
Legroom – mm (in.)	1,041 (41)	1,041 (41)
Shoulder Room – mm (in.)	1,676 (66)	1,676 (66)
Hip Room – mm (in.)	1,676 (62.9)	1,604 (63.2)
Seat Travel – mm (in.)	179 (7.1)	179 (7.1)
Recliner Range (degrees)	14°	42°
Rear		
Head Room – mm (in.)	N/A	1,013 (39.9)
Legroom – mm (in.)	N/A	1,024 (40.3)
Shoulder Room – mm (in.)	N/A	1,670 (65.7) (1670)
Hip Room – mm (in.)	N/A	1,605 (63.2) (1605.2)
Interior Volume		
Front – L (cu. ft.)	1,784 (63.0)	1,818 (64.2)
Rear – L (cu. ft.)	N/A	1,730 (61.1)

BODY AND CHASSIS

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

SUSPENSION

Model	2WD	4WD
Front	Five-link beam axle with coil springs	Five-link with track bar, coil springs, stabilizer bar, solid axle
Rear	Hotchkiss leaf spring suspension, solid axle	Hotchkiss leaf spring suspension, solid axle

STEERING**Regular Cab**

Model	1,524mm (60") SRW	1,524mm (60") DRW	2,134mm (84") DRW
Wheelbase (nominal) – mm (in.)	3,635 (143.1)	3,640 (143.3)	4,248 (167.3)
Turning Diameter – m (ft.) ^(a)	12.7 (41.7)	12.7 (41.7)	14.6 (47.9)

Crew Cab[®]

Model	1,524 (60") SRW	1,524 (60") DRW
Wheelbase (nominal) – mm (in.)	4,368 (172)	4,374 (172.2)
Turning Diameter – ft. (m) ^(a)	13.7 (45.1)	13.8 (45.4)

BRAKES

Front	
Size and Type – in. (mm)	Rotors 14.17 x 1.54 (360 x 39) disc with twin-piston pin-slider caliper and ABS
Rear	
Size and Type – in. (mm)	Rotors 14.09 x 1.34(358 x 34) disc with twin-piston pin-slider caliper and ABS
Power-assist Type	Dual-rate, tandem diaphragm vacuum (Gas) Hydro-boost (Diesel)

2012 RAM 4500/5500 CHASSIS CAB CANADIAN DIMENSIONS AND CAPACITIES

Regular Cab 3,670mm (144.5") WB 1,524mm (60")CA DRW

	4x2	4x4
Wheelbase	3,674 (144.6)	3,674 (144.6)
Track Width - Front	1,930 (76.0)	1,930 (76.0)
Track Width - Rear	1,869 (73.6)	1,869 (73.6)
Overall Length	5,951 (234.3)	5,951 (234.3)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,004 (78.9)	2,004 (78.9)
Overall Height	2,035 (80.1)	2,035 (80.1)
Suspension or Axle to Ground - Front	262 (10.3)	221 (8.7)
Suspension or Axle to Ground - Rear	213 (8.4)	213 (8.4)
Approach Angle	28.3	28.3
Ramp Breakover Angle	23.7	23.7
Departure Angle	31.1	31.1

Regular Cab 4,280mm (168.5") WB 2,134mm (84") CA DRW

	4x2	4x4
Wheelbase	4,282 (168.6)	4,282 (168.6)
Track Width - Front	1,930 (76.0)	1,930 (76.0)
Track Width - Rear	1,869 (73.6)	1,869 (73.6)
Overall Length	6,561 (258.3)	6,561 (258.3)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,004 (78.9)	2,004 (78.9)
Overall Height	2,032 (80.0)	2,032 (80.0)
Suspension or Axle to Ground - Front	262 (10.3)	221 (8.7)
Suspension or Axle to Ground - Rear	213 (8.4)	213 (8.4)
Approach Angle	28.4	28.4
Ramp Breakover Angle	20.8	20.8
Departure Angle	31.0	31.0

**Regular Cab 4,890mm (192.5") WB
2,743mm(108")CA DRW**

	4x2	4x4
Wheelbase	4,892 (192.6)	4,892 (192.6)
Track Width - Front	1,930 (76.0)	1,930 (76.0)
Track Width - Rear	1,869 (73.6)	1,869 (73.6)
Overall Length	7,170 (282.3)	7,170 (282.3)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,004 (78.9)	2,004 (78.9)
Overall Height	2,029 (79.9)	2,029 (79.9)
Suspension or Axle to Ground - Front	2,162 (10.3)	224 (8.8)
Suspension or Axle to Ground - Rear	213 (8.4)	213 (8.4)
Approach Angle	28.5	28.5
Ramp Breakover Angle	18.2	18.2
Departure Angle	30.9	30.9

**Regular Cab 5,194mm (204.5") WB 3,048mm
(120")CA DRW**

	4x2	4x4
Wheelbase	5,197 (204.6)	5,197 (204.6)
Track Width - Front	1,930 (76.0)	1,930 (76.0)
Track Width - Rear	1,938 (73.6)	1,938 (73.6)
Overall Length	7,475 (294.3)	7,475 (294.3)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,004 (78.9)	2,004 (78.9)
Overall Height	2,027 (79.8)	2,027 (79.8)
Suspension or Axle to Ground - Front	262 (10.3)	221 (8.7)
Suspension or Axle to Ground - Rear	213 (8.4)	213 (8.4)
Approach Angle	28.6	28.6
Ramp Breakover Angle	17.2	17.2
Departure Angle	30.8	30.8

Crew Cab 4,044mm (173.4") WB 1,524mm (60")CA DRW

	4x2	4x4
Wheelbase	4,409 (173.6)	4,409 (173.6)
Track Width - Front	1,930 (76.0)	1,930 (76.0)
Track Width - Rear	1,869 (73.6)	1,869 (73.6)
Overall Length	6,685 (263.2)	6,685 (263.2)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,009 (79.1)	2,009 (79.1)
Overall Height	2,047 (80.6)	2,047 (80.6)
Suspension or Axle to Ground - Front	262 (10.3)	221 (8.7)
Suspension or Axle to Ground - Rear	213 (8.4)	213 (8.4)
Approach Angle	28.5	28.5
Ramp Breakover Angle	20.4	20.4
Departure Angle	31.0	31.0

Crew Cab 5,014mm(197.4") WB 2,133mm (84")CA DRW

	4x2	4x4
Wheelbase	5,017 (197.5)	5,017 (197.5)
Track Width - Front	1,930 (76.0)	1,930 (76.0)
Track Width - Rear	1,869 (73.6)	1,869 (73.6)
Overall Length	7,295 (287.2)	7,295 (287.2)
Overall Width @ Single Ground Reference Point (SgRP) Front	2,009 (79.1)	2,009 (79.1)
Overall Height	80.5	80.5
Suspension or Axle to Ground - Front	262 (10.3)	221 (8.7)
Suspension or Axle to Ground - Rear	213 (8.4)	213 (8.4)
Approach Angle	28.6	28.6
Ramp Breakover Angle	17.8	17.8
Departure Angle	30.8	30.8

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		
Head Room – mm (in.)	1,022 (40.3)	1,041 (41.0)
Legroom – mm (in.)	1,041 (41)	1,041 (41)
Shoulder Room – mm (in.)	1,676 (66)	1,676 (66)
Hip Room – mm (in.)	1,676 (62.9)	1,604 (63.2)
Seat Travel – mm (in.)	179 (7.1)	179 (7.1)
Recliner Range (degrees)	14°	42°
Rear		
Head Room – mm (in.)	N/A	1,013 (39.9)
Legroom – mm (in.)	N/A	1,024 (40.3)
Shoulder Room – mm (in.)	N/A	1,670 (65.7)
Hip Room – mm (in.)	N/A	1,605 (63.2)
Interior Volume		
Front – L (cu. ft.)	1,784 (63.0)	1,818 (64.2)
Rear – L (cu. ft.)	N/A	1,730 (61.1)

BODY AND CHASSIS

<i>Model</i>	<i>2WD</i>	<i>4WD</i>
Layout	Longitudinal, front engine	Longitudinal, front engine, transfer case
Construction	Ladder-type frame, steel cab, double-wall steel pickup box	Ladder-type frame, steel cab, double-wall steel pickup box

SUSPENSION

<i>Model</i>	<i>2WD</i>	<i>4WD</i>
Front	Five-link beam axle with coil springs	Five-link with track bar, coil springs, stabilizer bar, solid axle

Rear	Hotchkiss leaf spring suspension, solid axle	Hotchkiss leaf spring suspension, solid axle
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STEERING

Regular Cab

<i>Model</i>	1,524mm (60")	2,134mm (84")	2,743mm (108")	3,048mm (120")
Wheelbase (nominal) – mm (in.)	3,668 (144.4)	4,277 (168.4)	4,882 (192.2)	5,187 (204.2)
Turning Diameter – m (ft.) ^(a)	12.7 (41.7)	14.6 (47.95)	16.5 (54.09)	17.4 (57.2)

CREW CAB[®]

<i>Model</i>	1,524mm (60")	2,134mm (84")
Wheelbase (nominal) – mm (in.)	4,402 (173.3)	5,006 (197.1)
Turning Diameter – m (ft.) ^(a)	17.4 (57.2)	15.0 (49.2)

BRAKES

Front

Size and Type – in. (mm)	Rotors 15.4 x 1.5(391 x 38.1) disc with twin-piston pin-slider caliper and ABS
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Rear

Size and Type – in. (mm)	Rotors 15.4 x 1.5(391 x 38.1) disc with twin-piston pin-slider caliper and ABS
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Power-assist Type	Hydro-boost (Diesel)
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