

2016 Ram Heavy Duty Specifications



RAM 3500					
ENGINES	5.7L HEMI® GAS V8	6.4L HEMI V8	6.7L CUMMINS® TURBO DIESEL I-6	6.7L CUMMINS TURBO DIESEL I-6	6.7L CUMMINS TURBO DIESEL HIGH-OUTPUT I-6
Availability	Ram 3500	Ram 3500	Ram 3500 with G56 manual	Ram 3500 with 68RFE 6-speed automatic	Ram 3500 with AISIN 6-speed automatic
Horsepower	383 @ 5,600 rpm	410 @ 5,600 rpm*	350 @ 2,800 rpm	370 @ 2,800 rpm	385 @ 2,800 rpm
Torque — lb-ft	400 @ 4,000 rpm	429 @ 4,000 rpm	660 @ 1,400 rpm	800 @ 1,700 rpm	900 @ 1,700 rpm
Displacement — cu cm (cu in)	5,654 (345)	6,417 (392)	6,690 (408)	6,690 (408)	6,690 (408)
Construction	Cast-iron block/aluminum head	Cast-iron block/aluminum head	Cast-iron block and head	Cast-iron block and head	Cast-iron block and head
Valve system	OHV, 16 valves, pushrod design	OHV, 16 valves, pushrod design	OHV, 24 valves, solid lifters	OHV, 24 valves, solid lifters	OHV, 24 valves, solid lifters
Oil change interval ²⁸ (under normal operation)	†	†	24,000 km or 6 months	24,000 km or 6 months	24,000 km or 6 months

*370 hp at 4,600 rpm on Ram 3500 Mega Cab

†The oil change indicator system will remind you when it's time to take your vehicle in for maintenance.

TRANSMISSIONS	66RFE	G-56	68RFE	AISIN®	
Type	6-speed automatic	6-speed manual	6-speed automatic	6-speed automatic	
Availability	5.7L HEMI and 6.4L HEMI	6.7L Cummins Turbo Diesel	6.7L Cummins Turbo Diesel	6.7L Cummins Turbo Diesel	
Gear ratio:	1 ^t	3.23	5.94	3.23	3.75
	2 ^d	1.84	3.28	1.84	2.00
	3 ^d	1.41	1.98	1.41	1.34
	4 ^h	1.00	1.31	1.00	1.00
	5 ^h	0.82	1.0	0.82	0.77
	6 ^h	0.63	0.74	0.63	0.63
	Reverse	4.44	5.42	4.44	3.54
Axleratios	3.73, 4.10	3.42, 3.73 (DRW only)	3.42, 3.73 (DRW only), 4.10 (DRW only)	3.42, 3.73 (DRW only), 4.10 (DRW only)	

BRAKES	FRONT	REAR
Type		Disc
Rotors — mm (in)	360 x 39 (14.17 x 1.54)	358 x 34 (14.09 x 1.34)
Caliper	Twin-piston pin-slider	
System	Antilock (ABS)	
Booster	Vacuum-assisted (with 5.7L HEMI V8 and 6.4L HEMI V8) / Hydroboost (with 6.7L Cummins Diesel)	

TRANSFER CASES: BORGWARNER	Manual shift-on-the-fly	Electronic shift-on-the-fly
Availability	Standard on ST 4x4 models	Standard on SLT, Laramie, Laramie Longhorn and Laramie Limited 4x4 models
Type	Part-time system (BW 44-47)	Part-time system (BW 44-46)
Operating modes	2WD; 4WD High; Neutral; 4WD Low	
Low-range ratio	2.64	
Center differential	None	

SUSPENSION SYSTEMS	3500	
Model	4x2	4x4
Front	Three-link with track bar, coil springs, stabilizer bar, solid axle	Three-link with track bar, coil springs, stabilizer bar, solid axle
Rear	Hotchkiss leaf spring, solid axle	Hotchkiss leaf spring, solid axle

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Interior dimensions	REGULAR CAB	CREW CAB	MEGA CAB
Headroom (front/rear)	1,014 (39.9) / —	1,041 (41.0) / 1,014 (39.9)	1,041 (41.0) / 1,024 (40.3)
Legroom (front/rear)	1,041 (41.0) / —	1,041 (41.0) / 1,023 (40.3)	1,041 (41.0) / 1,100 (43.3)
Shoulder room (front/rear)	1,676 (66.0) / —	1,676 (66.0) / 1,669 (65.7)	1,676 (66.0) / 1,669 (65.7)
Hip room (front/rear)	1,599 (62.9) / —	1,605 (63.2) / 1,605 (63.2)	1,605 (63.2) / 1,605 (63.2)
Total interior volume, L (cu ft)	1,770 (62.5) / —	3,183 (125.3)	3,695 (130.5)

Note: All dimensions are shown in mm (in) unless otherwise specified.

RAM 3500 PICKUP BOX DIMENSIONS*			
Box Length – m (ft in)	Short Box 1.9 (6' 4")	Long Box 2.4 (8')	RamBox® 1.9 (6' 4")
Availability	(Crew and Mega)	(Regular and Crew)	(Crew and Mega)
Single Rear Wheel (SRW) / Dual Rear Wheel (DRW)	SRW/DRW (Mega only)	SRW/DRW	SRW
Maximum Length at Floor	1,939 (76.3)	2,497 (98.3)	1,939 (76.3)
Front of Box to End of Open Tailgate	2,546 (100.2)	3,054 (120.2)	2,546 (100.2)
Depth of Box	511 (20.1)	513 (20.2)	511 (20.1)
Width Between Wheelhousings	1,295 (51.0)	1,295 (51.0)	1,221 (48.1)
Maximum Cargo Width at Floor	1,687 (66.4)	1,687 (66.4)	1,270 (50.0)
Tailgate Opening	1,535 (60.4)	1,535 (60.4)	1,221 (48.1)
Side Storage Volume (Right) – L (cu ft)	—	—	125 (4.4)
Side Storage Volume (Left) – L (cu ft)	—	—	119 (4.2)
Side Storage Volume (Total) – L (cu ft)	—	—	244 (8.6)

*Dimensions shown in mm (in) unless otherwise specified.

For the most up-to-date specifications, visit rambodybuilder.com

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Ram 3500 trailer towing and payload capability highlights*

TOWING*, kg (lb) – SAE J2807 COMPLIANT Maximum loaded trailer weights (when properly equipped)			Regular Cab		Crew Cab				Mega Cab®	
Engine	Axle ratio	GCWR	8' box		6'4" box		8' box		6'4" box	
			4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4
5.7L HEMI® V8/ 66RFE 6-speed	3.73	8,346 (18,400) SRW	5,402 (11,910)	5,244 (11,560)	5,225 (11,520)	5,080 (11,200)	5,176 (11,410)	4,999 (11,020)	5,112 (11,270)	4,985 (10,990)
	4.10	9,253 (20,400) SRW	6,310 (13,910)	6,151 (13,560)	6,133 (13,520)	5,988 (13,200)	6,083 (13,410)	5,906 (13,020)	6,019 (13,270)	5,892 (12,990)
6.4L HEMI V8/ 66RFE 6-speed	3.73	9,027 (19,900) SRW	6,065 (13,370)	5,883 (12,970)	5,883 (12,970)	5,734 (12,640)	5,820 (12,830)	5,656 (12,470)	5,765 (12,710)	5,625 (12,400)
	4.10	10,387 (22,900) SRW	7,425 (16,370)	7,244 (15,970)	7,244 (15,970)	7,094 (15,640)	7,180 (15,830)	7,017 (15,470)	7,126 (15,710)	6,985 (15,400)
	4.10	10,614 (23,400) DRW	7,493 (16,520)	7,321 (16,140)			7,235 (15,950)	7,076 (15,600)	7,126 (15,710)	7,040 (15,520)
6.7L Cummins® High-Output Turbo Diesel I-6/ AISIN® 6-speed	3.42	11,476 (25,300) SRW	8,060 (17,770)	7,902 (17,420)	7,870 (17,350)	7,734 (17,050)	7,806 (17,210)	7,648 (16,860)	7,720 (17,020)	7,557 (16,660)
	3.42	13,290 (29,300) DRW	9,712 (21,410)	9,539 (21,030)			9,453 (20,860)	9,303 (20,510)	9,353 (20,620)	9,217 (20,320)
	3.73	15,331 (33,800) DRW	11,753 (25,910)	11,580 (25,530)			11,503 (25,360)	11,344 (25,010)	11,394 (25,120)	11,258 (24,820)
	4.10	17,735 (39,100) DRW	14,157 (31,210)	13,984 (30,830)			13,907 (30,660)	13,748 (30,310)	13,798 (30,420)	13,662 (30,120)
PAYLOAD*, kg (lb)		GVWR	4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4
5.7L HEMI V8/ 66RFE 6-speed		4,581 (10,100) SRW	1,851 (4,080)							
		4,672 (10,300) SRW		1,783 (3,930)						
		4,763 (10,500) SRW			1,855 (4,090)					
		4,854 (10,700) SRW				1,801 (3,970)				
		4,990 (11,000) SRW					2,032 (4,480)		1,969 (4,340)	
		5,126 (11,300) SRW						1,991 (4,390)		1,978 (4,360)
6.4L HEMI V8/ 66RFE 6-speed		4,627 (10,200) SRW	1,878 (4,140)							
		4,717 (10,400) SRW		1,787 (3,940)						
		4,763 (10,500) SRW			1,833 (4,040)					
		4,899 (10,800) SRW				1,819 (4,010)				
		5,035 (11,100) SRW					2,041 (4,500)			
		5,080 (11,200) SRW							2,032 (4,480)	
		5,171 (11,400) SRW						2,014 (4,440)		1,982 (4,370)
		6,033 (13,300) DRW	3,125 (6,890)	2,953 (6,510)			2,867 (6,320)	2,708 (5,970)	2,758 (6,080)	2,672 (5,890)
		6,214 (13,700) DRW	3,307 (7,290)	3,134 (6,910)						
		6,260 (13,800) DRW	3,352 (7,390)							
6.7L Cummins High-Output Turbo Diesel I-6/ AISIN 6-speed		6,305 (13,900) DRW							3,030 (6,680)	
		6,350 (14,000) DRW					3,184 (7,020)	3,026 (6,670)		2,989 (6,590)
		5,035 (11,100) SRW	1,833 (4,040)							
		5,216 (11,500) SRW		1,855 (4,090)	1,823 (4,020)					
		5,262 (11,600) SRW							1,719 (3,790)	
		5,307 (11,700) SRW					1,778 (3,920)			
		5,443 (12,000) SRW						1,987 (4,380)		
	5,579 (12,300) SRW							1,964 (4,330)	1,873 (4,130)	
	6,350 (14,000) DRW	2,985 (6,580)	2,812 (6,200)				2,735 (6,030)	2,576 (5,680)	2,626 (5,790)	2,490 (5,490)

*For the most up-to-date specifications, visit rambodybuilder.com

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[†]Information subject to change. All weights are shown in kg (lb). Please visit www.rambodybuilder.com for the latest specifications.

- Payload and Max Trailer Weights are ESTIMATED values.
- Payload and Max Trailer Weight values are rounded to the nearest 10 lb.
- Trailer Weight Ratings and Tow Vehicle Trailering Weights are calculated as specified in SAE J2807.
- Passenger weight = 300 lb.
- Options weight = 100 lb.
- Trailering Equipment Weight: 75 lb for Conventional Hitch, 70 lb for Gooseneck and 250 lb for 5th Wheel.
- Payload and Trailer Weight Rating are mutually exclusive.
- GAWRs, GVWRs and GCWRs should never be exceeded.
- The recommended tongue weight for a conventional hitch is 10 percent of the gross trailer weight. The maximum tongue weight for Class V (receiver hitch) is limited to 1,800 lb.
- For gooseneck and fifth wheel trailers, the tongue weight should never exceed any of the manufacturer recommendations including but not limited to payload and GAWR.
- Regular and Crew Cab vehicles with diesel engine and 17" wheels have a GCWR of 23,000 lb for conventional trailers only.
- See your Ram retailer for details. DRW – Dual Rear Wheels. SRW – Single Rear Wheels. GCWR – Gross Combined Weight Rating. GVWR – Gross Vehicle Weight Rating.

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