

Ram 3500/4500/5500 Chassis Cab Specifications



RAM 3500/4500/5500 CHASSIS CAB				
ENGINES		6.4L HEM® V8	6.7L Cummins® Turbo Diesel I-6	6.7L Cummins High-Output Turbo Diesel I-6
Horsepower		410 @ 5,600 rpm*	320 @ 2,800 rpm	325 @ 2,400 rpm
Torque — lb-ft		429 @ 4,000 rpm	650 @ 1,400 rpm	750 @ 1,500 rpm
Displacement — cu cm (cu in)		6,417 (392)	6,690 (408)	6,690 (408)
Construction		Cast-iron block/aluminum head	Cast-iron block and head	Cast-iron block and head
Valve system		OHV, 16 valves, pushrod design	OHV, 24 valves, solid lifters	OHV, 24 valves, solid lifters
Oil change interval (under normal operation)		†	24,000 km or 6 months	24,000 km or 6 months

*410 hp only under 10,000-lb GVWR. 370 hp at 4,600 rpm over 10,000-lb GVWR. † Oil change indicator system will remind you when its time to take your vehicle in for maintenance.

DRIVELINE	MODEL			
Transmission	66RFE	G56	AISIN® AS66RC (HEMI) and AS69RC (Cummins)	
Type	6-speed automatic	6-speed manual with overdrive	6-speed automatic	
PTO capability	—	Left and right side	Left and right side	
Gear ratio:	1 st	3,23	5,94	3,75
	2 nd	1,84	3,28	2,00
	3 rd	1,41	1,98	1,34
	4 th	1,00	1,31	1,00
	5 th	0,82	1,00	0,77
	6 th	0,63	0,74	0,63
	Reverse	4,44	5,42	3,54
Available axle ratio	3500 = 4.10	3500 = 3.42, 3.73, 4.10	3500 = 4.44 (with 6.4L HEMI) 3.42, 3.73, 4.10 (with 6.7L Cummins)	
	—	4500 = 4.10, 4.44	4500 = 4.44, 4.88 (with 6.4L HEMI) 4.10, 4.44 (with 6.7L Cummins)	
	—	5500 = 4.10, 4.44	5500 = 4.88 (with 6.4L HEMI) 4.10, 4.44, 4.88 (with 6.7L Cummins)	

BRAKES	Front	Rear
Type	Disc	Disc
Rotors — mm (in)	3500: 360 x 39 (14.2 x 1.5) 4500/5500: 390 x 39 (15.3 x 1.5)	3500: 358 x 34 (14.1 x 1.3) 4500/5500: 390 x 39 (15.3 x 1.5)
Caliper	Twin-piston pin slider	Twin-piston pin slider
System	Antilock (ABS)	Antilock (ABS)
Booster	Hydroboost	

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ELECTRICAL SYSTEM	3500	4500/5500
Alternator — Standard	180-amp (with 6.7L Cummins Diesel and 6.4L HEMI)	180-amp (with 6.7L Cummins Diesel and 6.4L HEMI)
	220-amp (with Ambulance Prep Group)	220-amp (with Ambulance Prep Group)
	220-amp (with Snowplow Prep Group)	220-amp (with Snowplow Prep Group)
— Optional	Dual 220-amp (with 6.7L Cummins Diesel and 6.4L HEMI)	Dual 220-amp (with 6.7L Cummins Diesel and 6.4L HEMI)
	Dual 220-amp (with 6.7L Cummins Diesel)	Dual 220-amp (with 6.7L Cummins Diesel)
	Dual 380-amp and 220-amp (with 6.4L HEMI)	Dual 380-amp and 220-amp (with 6.4L HEMI)
Battery — Standard	730-amp, maintenance-free	730-amp, maintenance-free
Trailer Tow Wiring Harness — Standard	7-pin	7-pin
Electronic Interface Module — Optional	Over 50 inputs / outputs	Over 50 inputs / outputs

STEERING	4x2	4x4
Type	Power-assisted rack and pinion	Power-assisted recirculating ball

INTERIOR DIMENSIONS mm (in) unless otherwise specified	REGULAR CAB	CREW CAB
Headroom (front/rear)	1,014 (39.9)	1,041 (41.0) / 1,014 (39.9)
Legroom (front/rear)	1,041 (41.0)	1,041 (41.0) / 1,023 (40.3)
Shoulder room (front/rear)	1,676 (66.0)	1,676 (66.0) / 1,669 (65.7)
Hip room (front/rear)	1,599 (62.9)	1,605 (63.2) / 1,605 (63.2)
Standard seating capacity	3	6

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3500 CHASSIS CAB (DRW)			
Exterior Dimensions mm (in.) unless otherwise specified	REGULAR CAB 60" CA	REGULAR CAB 84" CA	CREW CAB 60" CA
Wheelbase	3,645 (143.5)	4,255 (167.5)	4,379 (172.4)
Overall length	5,951 (234.3)	6,561 (258.3)	7,170 (282.3)
Back of cab to taillamp	2,847 (112.1)	3,456 (136.1)	2,847 (112.1)
Front of bumper to back of cab	3,127 (123.1)	3,127 (123.1)	3,861 (152.0)
Overall height (curb load) — 4x4	2,035 (80.1)	2,032 (80.0)	2,030 (79.9)
Top of frame to top of cab	1,219 (48.0)	1,219 (48.0)	1,232 (48.5)
Overall body width (with standard mirrors)	2,464 (97.0)	2,464 (97.0)	2,464 (97.0)
Outside of rear tires	2,338 (92.0)	2,338 (92.0)	2,338 (92.0)
Turning diameter — m (ft)	16.9 (55.5)	15.8 (51.8)	16.2 (53.2)

4500/5500 Chassis Cab (DRW)						
Exterior Dimensions mm (in.) unless otherwise specified	REGULAR CAB 60" CA	REGULAR CAB 84" CA	REGULAR CAB 108" CA	REGULAR CAB 120" CA	CREW CAB 60" CA	CREW CAB 84" CA
Wheelbase	3,670 (144.5)	4,280 (168.5)	4,890 (192.5)	5,194 (204.5)	4,404 (173.4)	5,014 (197.4)
Overall length	5,951 (234.3)	6,561 (258.3)	7,170 (282.3)	7,475 (294.3)	6,685 (263.2)	7,295 (287.2)
Back of cab to taillamp	2,822 (111.1)	3,432 (135.1)	4,041 (159.1)	4,346 (171.1)	2,822 (111.1)	3,432 (135.1)
Front of bumper to back of cab	3,127 (123.1)	3,127 (123.1)	3,127 (123.1)	3,127 (123.1)	3,861 (152.0)	3,861 (152.0)
Overall height (curb load) — 4x4	2,035 (80.1)	2,032 (80.0)	2,030 (79.9)	2,027 (79.8)	2,047 (80.6)	2,044 (80.5)
Top of frame to top of cab	1,217 (47.9)	1,217 (47.9)	1,217 (47.9)	1,217 (47.9)	1,227 (48.3)	1,227 (48.3)
Overall body width (with standard mirrors)	2,464 (97.0)	2,464 (97.0)	2,464 (97.0)	2,464 (97.0)	2,464 (97.0)	2,464 (97.0)
Outside of rear tires	2,362 (93.0)	2,362 (93.0)	2,362 (93.0)	2,329 (91.7)	2,362 (93.0)	2,362 (93.0)
Turning diameter — m (ft)	12.7 (41.7)	14.6 (48.0)	16.4 (54.1)	17.4 (57.2)	15.0 (49.2)	16.9 (55.7)

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3500 Chassis Cab							
MAXIMUM WEIGHTS, PAYLOAD, TOWING* (when properly equipped)		REGULAR CAB 60" CA		REGULAR CAB 84" CA		CREW CAB 60" CA	
		4x2	4x4	4x2	4x4	4x2	4x4
6.4L HEMI V8/66RFE 6-speed (DRW)	GCWR	10,909 (24,000)					
	Towing	7,970 (17,570)	7,865 (17,340)	7,933 (17,490)	7,806 (17,210)	7,752 (17,090)	7,630 (16,820)
	GVWR	6,350 (14,000)					
	Payload	3,502 (7,720)	3,397 (7,490)	3,466 (7,640)	3,338 (7,360)	3,284 (7,240)	3,162 (6,970)
	FAWR / RAWR	2,495 (5,500) / 4,468 (9,850)					
6.7L Cummins High Output Turbo Diesel I-6/ AISIN 6-speed (DRW)	GCWR	14,061 (31,000)					
	Towing	10,782 (23,770)	10,673 (23,530)	10,741 (23,680)	10,714 (23,400)	10,564 (23,290)	10,437 (23,010)
	GVWR	6,350 (14,000)					
	Payload	3,211 (7,080)	3,103 (6,840)	3,171 (6,990)	3,044 (6,710)	2,994 (6,600)	2,867 (6,320)
	FAWR / RAWR	2,722 (6,000) / 4,468 (9,850)					

3500 SRW 4,491 kg (9,900 lb) GVWR Chassis Cab					
MAXIMUM WEIGHTS, PAYLOAD, TOWING* (when properly equipped)		REGULAR CAB 60" CA		CREW CAB 60" CA	
		4x2	4x4	4x2	4x4
6.4L HEMI V8/ AISIN 6-speed (DRW)	GCWR	10,886 (24,000)	10,886 (24,000)	10,886 (24,000)	10,886 (24,000)
	Towing	8,128 (17,920)	8,020 (17,680)	7,929 (17,480)	7,784 (17,160)
	GVWR	4,491 (9,900)	4,491 (9,900)	4,491 (9,900)	4,491 (9,900)
	Payload	1,905 (4,200)	1,796 (3,960)	1,706 (3,760)	1,560 (3,440)
	FAWR / RAWR	2,495 (5,500) / 3,084 (6,800)			
6.7L Cummins High Output Turbo Diesel I-6/ AISIN 6-speed (DRW)	GCWR	10,886 (24,000)	10,886 (24,000)	10,886 (24,000)	10,886 (24,000)
	Towing	7,915 (17,450)	7,802 (17,200)	7,716 (17,010)	7,493 (16,520)
	GVWR	4,491 (9,900)	4,491 (9,900)	4,491 (9,900)	4,491 (9,900)
	Payload	1,633 (3,600)	1,520 (3,350)	1,433 (3,160)	1,288 (2,840)
	FAWR / RAWR	2,722 (6,000) / 3,084 (6,800)			

4500 Chassis Cab													
MAXIMUM WEIGHTS, PAYLOAD, TOWING* (when properly equipped)		REGULAR CAB 60" CA		REGULAR CAB 84" CA		REGULAR CAB 108" CA		REGULAR CAB 120" CA		CREW CAB 60" CA		CREW CAB 84" CA	
		4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4
6.4L HEMI V8/ 66RFE 6-speed (DRW)	GCWR	11,794 (26,000)											
	Towing	8,623 (19,010)	8,446 (18,620)	8,550 (18,850)	8,378 (18,470)	8,482 (18,700)	8,324 (18,350)	8,419 (18,560)	8,296 (18,290)	8,360 (18,430)	8,201 (18,080)	8,296 (18,290)	8,160 (17,990)
	GVWR	7,484 (16,500)											
	Payload	4,382 (9,660)	4,205 (9,270)	4,309 (9,500)	4,137 (9,120)	4,241 (9,350)	4,082 (9,000)	4,178 (9,210)	4,055 (8,940)	4,119 (9,080)	3,960 (8,730)	4,055 (8,940)	3,919 (8,640)
	FAWR / RAWR	2,948 (6,500) / 5,443 (12,000)											
6.7L Cummins High Output Turbo Diesel I-6/ AISIN 6-speed (DRW)	GCWR	15,195 (33,500)											
	Towing	11,635 (25,650)	11,453 (25,250)	11,530 (25,420)	11,358 (25,040)	11,489 (25,330)	11,304 (24,920)	11,453 (25,250)	11,276 (24,860)	11,340 (25,000)	11,181 (24,650)	11,276 (24,860)	11,140 (24,560)
	GVWR	7,484 (16,500)											
	Payload	3,992 (8,800)	3,810 (8,400)	3,887 (8,570)	3,488 (8,190)	3,847 (8,480)	3,661 (8,070)	3,810 (8,400)	3,633 (8,010)	3,697 (8,150)	3,538 (7,800)	3,633 (8,010)	3,497 (7,710)
	FAWR / RAWR	3,289 (7,250) / 5,443 (12,000)											

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5500 Chassis Cab													
MAXIMUM WEIGHTS, PAYLOAD, TOWING* (when properly equipped)		REGULAR CAB 60" CA		REGULAR CAB 84" CA		REGULAR CAB 108" CA		REGULAR CAB 120" CA		CREW CAB 60" CA		CREW CAB 84" CA	
		4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4
6.4L HEMI V8/ 66RFE 6-speed (DRW)	GCWR	11,794 (26,000)											
	Towing	8,600 (18,960)	8,432 (18,590)	8,541 (18,830)	8,369 (18,450)	8,464 (18,660)	8,305 (18,310)	8,441 (18,610)	8,269 (18,230)	8,369 (18,450)	8,197 (18,070)	8,283 (18,260)	8,119 (17,900)
	GVWR	8,618 (19,000)	8,618 (19,000)	8,845 (19,500)	8,845 (19,500)	8,845 (19,500)	8,845 (19,500)	8,845 (19,500)	8,845 (19,500)	8,618 (19,000)	8,618 (19,000)	8,845 (19,500)	8,845 (19,500)
	Payload	5,493 (12,110)	5,325 (11,740)	5,661 (12,480)	5,489 (12,100)	5,584 (12,310)	5,425 (11,960)	5,561 (12,260)	5,389 (11,880)	5,262 (11,600)	5,089 (11,220)	5,402 (11,910)	5,239 (11,550)
	FAWR / RAWR	2,948 (6,500) / 6,124 (13,500)					3,175 (7,000) / 6,124 (13,500)						
6.7L Cummins High Output Turbo Diesel I-6/ AISIN 6-speed (DRW)	GCWR	17,463 (38,500)											
	Towing	13,880 (30,600)	13,689 (30,180)	13,825 (30,480)	13,630 (30,050)	13,785 (30,390)	13,567 (29,910)	13,744 (30,300)	13,531 (29,830)	13,617 (30,020)	13,458 (29,670)	13,531 (29,830)	13,499 (29,760)
	GVWR	8,618 (19,000)	8,618 (19,000)	8,845 (19,500)	8,845 (19,500)	8,845 (19,500)	8,845 (19,500)	8,845 (19,500)	8,845 (19,500)	8,618 (19,000)	8,618 (19,000)	8,845 (19,500)	8,845 (19,500)
	Payload	5,103 (11,250)	4,912 (10,830)	5,275 (11,630)	5,080 (11,200)	5,235 (11,540)	5,017 (11,060)	5,194 (11,450)	4,981 (10,980)	4,840 (10,670)	4,681 (10,320)	4,981 (10,980)	4,949 (10,910)
	FAWR / RAWR	3,289 (7,250) / 6,124 (13,500)											

†All dimensions shown in kg (lb). Payload and Max Trailer Weights are ESTIMATED values. All values are shown in pounds unless otherwise stated. Payload and Max Trailer Weight values are rounded to the nearest 10 lbs. Payload = GVWR - Base Weight.
 GAWRs, GVWRs, and GCWRs should never be exceeded. Recommended tongue weight determined by class hitch receiver and hardware limits of upfit. Upfit or Aftermarket weight not included in Base Weight. See your Ram retailer for details. For full towing and capability details, visit rambodybuilder.com. DRW - Dual Rear Wheels. SRW - Single Rear Wheels. GCWR - Gross Combined Weight Rating. GVWR - Gross vehicle Weight Rating. FAWR - Front Axle Weight Ratio. RAWR - Rear Axle Weight Ratio.

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