

2006 DODGE RAM MEGA CAB SPECIFICATIONS

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

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

GENERAL INFORMATION

Body Style _____ Mega Cab
Assembly Plants _____ Saltillo, Mexico
EPA Vehicle Class _____ Standard Pickup

ENGINE: 5.7-LITER HEMI® V-8

Availability _____ Std.—1500, 2500
Type and Description _____ Eight-cylinder, 90° V-type, liquid-cooled
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) _____ 345 bhp (257 kW) @ 5400 rpm, (58.4 bhp/L)
Torque (SAE net) _____ 375 lb.-ft. (509 N•m) @ 4200 rpm
Max. Engine Speed _____ 5800 rpm
Fuel Requirement _____ Unleaded mid-grade, 89 octane (R+M)/2—recommended, Unleaded regular, 87 octane (R+M)/2—acceptable
Oil Capacity _____ 7 qt. (6.6L)
Coolant Capacity _____ 18.7 qt. (17.7L)
Emission Control ___ Dual three-way catalytic converters, internal engine features with knock sensors

ENGINE: 5.9-LITER H. O. CUMMINS TURBO DIESEL I-6

Availability _____ Opt.—2500, 3500
Type and Description _____ Six-cylinder, inline, liquid-cooled, turbocharged, intercooled
Displacement _____ 359 cu. in. (5883 cu. cm)
Bore x Stroke _____ 4.02 x 4.72 (102.1 x 119.9)
Valve System _____ OHV, 24 valves, solid lifters
Fuel Injection _____ Electronic high-pressure common rail
Construction _____ Cast-iron block and head
Compression Ratio _____ 17.2:1
Power (SAE net) _____ 325 bhp (242 kW) @ 2900 rpm—high-output (51.7 bhp/L)
Torque (SAE net) _____ 610 lb.-ft. (813 N•m) @ 1600 rpm—high output
Maximum High-Idle Engine Speed _____ 3500 rpm
Fuel Requirement _____ Diesel
Oil Capacity _____ 12 qt. (11.4L) with filter
Coolant Capacity _____ 32.7 qt. (30.9L)
Emission Controls _____ Oxidation catalytic converter and internal engine features

ELECTRICAL SYSTEM

Alternator
Availability _____ Standard—All
Rating _____ 160-amp
Battery
Availability _____ Standard—All
Description _____ maintenance-free, 700 CCA

TRANSMISSION: 5-45RFE—AUTOMATIC FIVE-SPEED

Availability _____ Std. with 5.7-liter engine

Description _____ Three planetary gear sets, one overrunning clutch,
full electronic control, electronically controlled converter clutch

Gear Ratios

1st _____ 3.0

2nd _____ 1.67—upshift; 1.50—kick-down

3rd _____ 1.0

4th _____ 0.75

5th _____ 0.67

Reverse _____ 3.00

Overall Top Gear _____ 2.50 with 3.73 axle ratio; 2.75 with 4.10 axle ratio

TRANSMISSION: NV5600—MANUAL, SIX-SPEED OVERDRIVE

Availability _____ Std. with 5.9-liter high-output diesel engine

Description _____ Synchronized in all gears

Gear Ratios

1st _____ 3.21

2nd _____ 1.83

3rd _____ 1.41

4th _____ 1.00

5th _____ 0.82

6th _____ 0.63

Reverse _____ 4.44

Overall Top Gear Ratio _____ 2.72 with 3.73 axle; 2.99 with 4.10 axle ratio

TRANSMISSION: 48RE—AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability _____ 48RE—optional with Cummins diesel engine

Description _____ Hydraulic control, electronically controlled governor overdrive,
overdrive lockout and converter clutch

Gear Ratios

1st _____ 2.45

2nd _____ 1.45

3rd _____ 1.0

4th _____ 0.69

Reverse _____ 2.20

Overall Top Gear Ratio _____ 2.57 with 3.73 axle ratio; 2.82 with 4.10 axle ratio

TRANSFER CASE: NV273

Availability _____ NV273—std. 4x4

Type _____ Part-time

Operating Modes _____ 2WD; 4WD High; Neutral; 4WD Low

Shift Mechanism _____ electric

Low-Range Ratio _____ 2.72

Center Differential _____ None

DIMENSIONS AND CAPACITIES

	4X2	4X4
Wheelbase	160.5	160.3
Track, Front	68.6	69.5
Track, Rear	68.2	68.2
Overall Length	247.7	247.7
Overall Width	79.5	79.5
Overall Height	74.5	78.5
Tailgate Load Height	33	36.2
Ground Clearance		
Front axle	8.4	7.7
Rear axle	7.1	7.7
Approach Angle	22.5°	29.8°
Ramp Breakover Angle	15.1°	22.9°
Departure Angle	24.2°	27.9°
Frontal Area, sq. ft.	35.1	35.4
Fuel Tank, gal. (L)	35 (132)	35 (132)

BODY AND CHASSIS

	4X2	4X4
Layout	Longitudinal, front engine; Hotchkiss drive	Longitudinal, front engine; Hotchkiss drive, transfer case
Construction	Ladder-type frame, steel cab, double-wall steel pickup box	Ladder-type frame, steel cab, double-wall steel pickup box

SUSPENSION

Front	Short and long arm independent, coil springs, gas-charged shock absorbers, stabilizer bar	Live axle, Quadra Link leading arms, track bar, coil springs, stabilizer bar, gas-charged shock absorbers
Rear	Live axle, longitudinal leaf springs, gas-charged shock absorbers—2500 auxiliary springs added—3500	Live axle, longitudinal leaf springs, gas-charged shock absorbers —2500; auxiliary springs added—3500

STEERING

Overall Ratio	15.4:1	13.4:1
Steering Wheel Turns Lock to Lock	3	2.75
Turning Diameter (Curb to Curb)	52.1 ft.	52.5 ft.

BRAKES

Front Size and Type _____ 13.9 x 1.26 (353 x 35.5) _____ 13.9 x 1.26 (353 x 35.5)

vented disc with 2 x 2.20 (2 x 56)
twin-piston sliding caliper and ABS

vented disc with 2 x 2.20 (2 x 56)
twin-piston sliding caliper and ABS

Swept Area _____ 313.2 sq. in. (2021 sq. cm) _____ 313.2 sq. in. (2021 sq. cm)

Rear Size and Type _____ 13.9 x 1.18 (352.5 x 30) _____ 13.9 x 1.18 (352.5 x 30)

disc with 2 x 1.77 (2 x 45) twin-piston
sliding caliper and ABS

disc with 2 x 1.77 (2 x 45) twin-piston
sliding caliper and ABS

Swept Area _____ 309.6 sq. in. (1997 sq. cm) _____ 309.6 sq. in. (1997 sq. cm)

Power Assist Type Tandem diaphragm vacuum with gasoline _____ Hydraulic engines;
hydraulic with diesel engines

ACCOMMODATIONS

Seating Capacity, F/R _____ 3/3 (6 total)

Front

Head room _____	40.8
Leg room _____	41.0
Shoulder room _____	67.0
Hip room _____	64.9

Rear

Head room _____	40.5
Leg room _____	44.2
Shoulder room _____	66.5
Hip room _____	64.4
Knee clearance _____	9.7
Couple distance _____	40.2
Door opening width _____	34.5

Interior Occupant Volume

Front _____	64.8 cu. ft.
Rear _____	68.9 cu. ft.

Interior Cargo Volume

Load floor area _____	24.9 sq. ft.
Load floor height _____	37.9 in.
Volume behind second row _____	7.6 cu. ft.
Volume w/second row seat stored _____	71.0 cu. ft.

Cargo Box

Length (at floor) _____	75.9
Width (between wheels) _____	51.0
Width wall _____	66.4
Box height _____	20.2

ESTIMATED TRAILER TOWING CAPACITIES

1500 RAM MEGA CAB 2WD SLT

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.7L V8 gas	A5	5-speed automatic	3.73	8,510	2,410	6,102	14,000	6,750
5.7L V8 gas	A5	5-speed automatic	4.10	8,510	2,410	6,102	15,000	7,750

1500 RAM MEGA CAB 2WD LARAMIE

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.7L V8 gas	A5	5-speed automatic	3.73	8,510	2,310	6,199	14,000	6,650
5.7L V8 gas	A5	5-speed automatic	4.10	8,510	2,310	6,199	15,000	7,650

1500 RAM MEGA CAB 4WD SLT

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.7L V8 gas	A5	5-speed automatic	3.73	8,510	2,030	6,482	14,000	6,350
5.7L V8 gas	A5	5-speed automatic	4.10	8,510	2,030	6,482	15,000	7,350

1500 RAM MEGA CAB 4WD LARAMIE

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.7L V8 gas	A5	5-speed automatic	3.73	8,510	1,860	6,647	14,000	6,200
5.7L V8 gas	A5	5-speed automatic	4.10	8,510	1,860	6,647	15,000	7,200

1. Payload is rounded to the nearest 10 lbs. $\text{Payload} = \text{GVWR} - \text{Curb Wt.}$
2. Maximum trailer weights are rounded to the nearest 50 lbs.
 $\text{Maximum Trailer Weight} = \text{GCWR} - \text{Curb wt.} - 150 \text{ lbs. (allowance for driver)}$
Note that all the payload and Max Trail weights are ESTIMATED values.

2500 RAM MEGA CAB 2WD SLT

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.7L V8 gas	A5	5-speed automatic	3.73	8,800	2,620	6,179	15,000	8,650
5.7L V8 gas	A5	5-speed automatic	4.10	8,800	2,620	6,179	17,000	10,650
5.9L 24V TDHO	M6	6-speed manual	3.73	9,000	2,060	6,939	20,000	12,900
5.9L 24V TDHO	A4	4-speed automatic	3.73	9,000	2,040	6,964	20,000	12,900
5.9L 24V TDHO	A4	4-speed automatic	4.10	9,000	2,040	6,964	20,000	12,900

2500 RAM MEGA CAB 2WD LARAMIE

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.7L V8 gas	A5	5-speed automatic	3.73	8,800	2,520	6,276	15,000	8,550
5.7L V8 gas	A5	5-speed automatic	4.10	8,800	2,520	6,276	17,000	10,550
5.9L 24V TDHO	M6	6-speed manual	3.73	9,000	1,960	7,036	20,000	12,800
5.9L 24V TDHO	A4	4-speed automatic	3.73	9,000	1,940	7,061	20,000	12,800
5.9L 24V TDHO	A4	4-speed automatic	4.10	9,000	1,940	7,061	20,000	12,800

1. Payload is rounded to the nearest 10 lbs. $\text{Payload} = \text{GVWR} - \text{Curb Wt.}$
2. Maximum trailer weights are rounded to the nearest 50 lbs.
 $\text{Maximum Trailer Weight} = \text{GCWR} - \text{Curb wt.} - 150 \text{ lbs. (allowance for driver)}$
 Note that all the payload and Max Trail weights are ESTIMATED values.

2500 RAM MEGA CAB 4WD SLT

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.7L V8 gas	A5	5-speed automatic	3.73	8,800	2,090	6,709	15,000	8,150
5.7L V8 gas	A5	5-speed automatic	4.10	8,800	2,090	6,709	17,000	10,150
5.9L 24V TDHO	M6	6-speed manual	3.73	9,000	1,560	7,443	20,000	12,400
5.9L 24V TDHO	A4	4-speed automatic	3.73	9,000	1,530	7,468	20,000	12,400
5.9L 24V TDHO	A4	4-speed automatic	4.10	9,000	1,530	7,468	20,000	12,400

2500 RAM MEGA CAB 4WD LARAMIE

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.7L V8 gas	A5	5-speed automatic	3.73	8,800	2,060	6,736	15,000	8,100
5.7L V8 gas	A5	5-speed automatic	4.10	8,800	2,060	6,736	17,000	10,100
5.9L 24V TDHO	M6	6-speed manual	3.73	9,000	1,460	7,540	20,000	12,300
5.9L 24V TDHO	A4	4-speed automatic	3.73	9,000	1,430	7,565	20,000	12,300
5.9L 24V TDHO	A4	4-speed automatic	4.10	9,000	1,430	7,565	20,000	12,300

1. Payload is rounded to the nearest 10 lbs. $\text{Payload} = \text{GVWR} - \text{Curb Wt.}$
2. Maximum trailer weights are rounded to the nearest 50 lbs.
 $\text{Maximum Trailer Weight} = \text{GCWR} - \text{Curb wt.} - 150 \text{ lbs. (allowance for driver)}$
 Note that all the payload and Max Trail weights are ESTIMATED values.

3500 RAM MEGA CAB 2WD SLT

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.9L 24V TDHO	M6	6-speed manual	3.73	9,900	2,840	7,060	23,000	15,800
5.9L 24V TDHO	A4	4-speed automatic	3.73	9,900	2,840	7,060	21,000	13,800
5.9L 24V TDHO	A4	4-speed automatic	4.10	9,900	2,840	7,060	23,000	15,800

3500 RAM MEGA CAB 2WD LARAMIE

Engine	Trans Type	Transmission	Axle Ratio	GVWR	Payload	Base Curb Wt.	GCWR	Max Trail
5.9L 24V TDHO	M6	6-speed manual	3.73	9,900	2,750	7,149	23,000	15,700
5.9L 24V TDHO	A4	4-speed automatic	3.73	9,900	2,730	7,174	21,000	13,700
5.9L 24V TDHO	A4	4-speed automatic	4.10	9,900	2,730	7,174	23,000	15,700

3500 RAM MEGA CAB 4WD SLT

5.9L 24V TDHO	M6	6-speed manual	3.73	9,900	2,390	7,506	23,000	15,350
5.9L 24V TDHO	A4	4-speed automatic	3.73	9,900	2,370	7,531	21,000	13,300
5.9L 24V TDHO	A4	4-speed automatic	4.10	9,900	2,370	7,531	23,000	15,300

3500 RAM MEGA CAB 4WD LARAMIE

5.9L 24V TDHO	M6	6-speed manual	3.73	9,900	2,310	7,592	23,000	15,250
5.9L 24V TDHO	A4	4-speed automatic	3.73	9,900	2,280	7,617	21,000	13,250
5.9L 24V TDHO	A4	4-speed automatic	4.10	9,900	2,280	7,617	23,000	15,250

1. Payload is rounded to the nearest 10 lbs. $\text{Payload} = \text{GVWR} - \text{Curb Wt.}$
2. Maximum trailer weights are rounded to the nearest 50 lbs.
 $\text{Maximum Trailer Weight} = \text{GCWR} - \text{Curb wt.} - 150 \text{ lbs. (allowance for driver)}$
 Note that all the payload and Max Trail weights are ESTIMATED values.