

2005 Dodge Ram Power Wagon Feature Highlights

MODELS

Power Wagon Regular Cab Long Box 4x4

Power Wagon Quad Cab Short Box 4x4

POWERTRAIN

5.7-liter HEMI® V-8 engine with 5-45RFE five-speed automatic transmission or G56 six-speed manual transmission (late availability)

NV271 manual shift two-speed part-time transfer case

American Axle TracRite axles with front open and rear anti-spin electrically locking differentials

4.56 axle ratio

CHASSIS

Front electric disconnecting stabilizer bar ("Smart Bar")

LT285/70R17 BF Goodrich all-terrain tires

Unique 17" x 8" forged aluminum wheels

Unique 35mm front and 25mm rear springs

Bilstein monotube front and rear shocks with yellow and blue color scheme

Unique front and rear jounce bumpers/spacers

Trailer Tow Group

Tow hooks

Steel transfer case and fuel tank skid plates

Steering damper skid plate

EXTERIOR

Available in five colors: Flame Red, White, Black, Silver and Mineral Gray

Front electric winch (12,000-lb.)

Available Mopar® winch kit

Available three-inch heavy-gauge tubular steel Mopar rock rails

Chrome grille surround with black honeycomb grille

Black upper front fascia with chrome bumper

Black grained front and rear fender flares

Black bodyside molding

Power Wagon badges on doors and tailgate

Available Mopar Skid Resistor bedliner

HEMI badge on door

Fog lamps

Roof-mounted cab running lights

Optional power sun roof on Quad Cab

INTERIOR

Heavy-duty vinyl 40/20/40 front seat (and rear seat with Quad Cab) and vinyl floor standard

Premium cloth and leather seating optional (includes carpeted floor and floor mats)

Heated front seats optional

SIRIUS® Satellite Radio optional on Quad Cab (late availability)

UConnect™ hands-free communications system optional

POWER WAGON SPECIFICATIONS

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

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

GENERAL INFORMATION

Body Styles _____ Regular Cab and Quad Cab™ Short Box

Assembly Plants _____ Saltillo, Mexico

EPA Vehicle Class _____ Standard Pickup

ENGINE: 5.7-LITER HEMI MAGNUM® V-8

Availability _____ Std.

Type and Description _____ Eight cylinders, 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 _____ Three-way catalytic converter, electronic EGR and internal engine features(a)

ELECTRICAL SYSTEM

Alternator

Availability _____ Standard

Rating _____ 160-amp

Battery

Availability _____ Standard

Description _____ Group 65, maintenance-free, 750 CCA

TRANSMISSION: 5-45RFE—AUTOMATIC FIVE-SPEED

Availability _____ Standard

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

Overall Top Gear _____ 3.06 with 4.56 axle ratio

TRANSMISSION: G56-MANUAL, SIX-SPEED OVERDRIVE (LATE AVAILABILITY)

Availability _____ Standard with 5.9L high-output diesel and 5.7L V-8 engines

Description _____ Synchronized in all gears

Gear Ratios

1st _____ 6.29

2nd _____ 3.48

3rd _____ 2.10

4th _____ 1.38

5th _____ 1.00

6th _____ 0.79

Reverse _____ 5.74

TRANSFER CASES: NV271

Availability	Standard
Type	Part-time
Operating Modes	2WD; 4WD High; Neutral; 4WD Low
Shift Mechanism	NV271—manual
Low-Range Ratio	2.72
Center Differential	None

DIMENSIONS AND CAPACITIES

Quad Cab—4x4, Short Box

Wheelbase	140.5
Track, Front	69.5
Track, Rear	68.5
Overall Length	227.7
Overall Width	79.8
Overall Height	80.6
Tailgate Load Height	36.3
Ground Clearance	
Front axle	8.4
Rear axle	8.3
Approach Angle	35°
Ramp Breakover Angle	25.5°
Departure Angle	27.7°
Frontal Area, sq. ft.	35.4
Drag Coefficient	—
Fuel Tank, gal. (L)	34 (128)

Regular Cab—4x4, Long Box

Wheelbase	140.5
Track, Front	69.5
Track, Rear	68.5
Overall Length	229.7
Overall Width	79.5
Overall Height	80.6
Tailgate Load Height	36.3
Ground Clearance	
Front axle	8.4
Rear axle	8.3
Approach Angle	35°
Ramp Breakover Angle	25.5°
Departure Angle	27.7°
Frontal Area, sq. ft.	35.4
Drag Coefficient	—
Fuel Tank, gal. (L)	35 (132)

CARGO BOX

Nominal Box Size	6 ft., 3 in.	8 ft.
SAE Volume	60.9 cu. ft. (1.723 cu. m)	74.9 cu. ft. (2.121 cu. m)
Length at Floor, Tailgate Closed	76.3 (1938.3)	98.3 (2497.1)
Cargo Width	70.2 (1783.9)	66.4 (1687)
Distance between Wheelhouses	51.0 (1295)	51.0 (1295)
Depth	20.2 (514.0)	20.2 (514.0)
Tailgate Opening Width	60.6 (1538.0)	60.6 (1538.0)

ACCOMMODATIONS

	<i>Quad Cab</i>	<i>Regular Cab</i>
Seating Capacity, F/R _____	3/3	3/—
<i>Front</i>		
Head room _____	40.8 (1037)	40.9 (1040)
Leg room _____	41.0 (1041)	41.0 (1041)
Shoulder room _____	67.0 (1702)	67.1 (1705.6)
Hip room _____	64.9 (1648.2)	64.9 (1648.2)
Seat travel _____	9.0 (229)	9.0 (229)
Recliner range _____	45°	45°
<i>Rear</i>		
Head room _____	40.0 (1015)	—
Leg room _____	36.7 (1648.2)	—
Shoulder room _____	66.7 (1094)	—
Hip room _____	64.6 (1640)	—
Knee clearance _____	1.1 (28.4)	—
<i>Interior Volume</i>		
Front _____	64.92 cu. ft.	65.2 cu. ft.
Rear _____	56.7 cu. ft.	—

BODY AND CHASSIS

		<i>4x4</i>
Layout _____	<i>Longitudinal, front engine; Hotchkiss drive, transfer case</i>	
Construction _____	<i>Ladder-type frame, steel cab, double-wall steel pickup box,</i>	
<i>SUSPENSION</i>		
Front _____	<i>Live axle, Quadra Link leading arms, track bar, coil springs, electric disconnecting stabilizer bar, gas-charged Bilstein monotube shock absorbers</i>	
Rear _____	<i>Live axle, longitudinal leaf springs, gas-charged Bilstein monotube shock absorbers</i>	

STEERING

<i>Model</i>	<i>Quad Cab, Short Box</i>	<i>Regular Cab</i>
<i>4x4</i>		
Overall Ratio _____	13.4:1	13.4:1
Steering Wheel Turns Lock to Lock _____	2.75	2.75
Turning Diameter (Curb to Curb)(a) _____	48.9 ft. (14.9 m)	48.9 ft. (14.9 m)

BRAKES

<i>Front</i>		
<i>Size and Type</i> _____	<i>13.9 x 1.26 (353 x 35.5)</i> <i>vented disc with 2 x 2.20 (2 x 56) twin-piston sliding caliper and ABS</i>	
<i>Swept Area</i> _____	<i>313.2 sq. in. (2021 sq. cm)</i>	
<i>Rear</i>		
<i>Size and Type</i> _____	<i>13.9 x 1.18 (352.5 x 30) sliding caliper and ABS</i>	
<i>Swept Area</i> _____	<i>309.6 sq. in. (1997 sq. cm)</i>	
<i>Power Assist Type</i> _____	<i>Tandem diaphragm vacuum</i>	

ESTIMATED TRAILER TOWING CAPACITIES (a)

POWER WAGON QUAD CAB 4WD

GVWR	Box	Engine	Transmission	Payload	Base Curb Weight	GCWR (lbs.)(b)	Max. Trail (lbs.)(c)
8510	Short	5.7L V-8 gas	Automatic five-speed	2430	6081	17,000	10,750
8510	Short	5.7L V-8 gas	Manual six-speed	2400	6113	17,000	10,750

POWER WAGON REGULAR CAB 4WD

GVWR	Box	Engine	Transmission	Payload	Base Curb Weight	GCWR (lbs.)(b)	Max. Trail (lbs.)(c)
8510	Long	5.7L V-8 gas	Automatic five-speed	2660	5854	17,000	11,000
8510	Long	5.7L V-8 gas	Manual six-speed	2620	5886	17,000	11,000

Meets SULEV 1 emissions requirements in California, New York, Massachusetts, Maine and Vermont.

Meets Tier 2 Bin 10C emissions in the other states.

(a) Turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

(b) GCWR is the maximum allowable combined weight of loaded truck and trailer. It includes the weight of passengers, cargo and fuel in the truck and cargo in the trailer.

(c) GTWR is the maximum allowable weight of the trailer and its cargo. $GTWR = GCWR \text{ minus curb weight of truck minus } 150 \text{ pounds allowance for driver}$ and must be further decreased by the weight of optional equipment, trailer hitch, cargo, and passengers. Maximum trailer weights shown are rounded to the nearest 50 pounds. Recommended tongue weight is 10 to 15 percent of loaded trailer weight, but must not exceed 500 pounds using a bumper-mounted hitch ball (Class III trailers) or 1,000 pounds using a weight-distributing receiver hitch (Class IV trailers). This requirement overrides GTWRs shown. Additionally, tongue weight should never cause vehicle to exceed GVWR (Gross Vehicle Weight Rating) or GAWR (Gross Axle Weight Rating). A weight-distributing hitch is recommended for trailers more than 2,000 pounds. An exhaust brake is strongly recommended with manual transmission