

## 2008 Dodge Grand Caravan Specifications

All specifications are from data available at the time of printing.

Dimensions are in inches (millimeters) at curb weight with standard wheels and tires unless otherwise noted.

### General Information

Body Style	Multipurpose vehicle
Assembly Plant	Windsor, Ontario Canada and St. Louis South, Mo. USA
EPA Vehicle Class	Multipurpose vehicle

### Engine: 3.3-Liter, OHV, SMPI FFV V6

Availability	Standard — SE
Type and Description	Six-cylinder, 60° V-type, liquid-cooled
Displacement	201.5 cu. in. (3301 cu. cm)
Bore x Stroke	3.66 x 3.19 (93 x 81)
Valve System	OHV, 12 valves, roller followers, hydraulic lifters
Fuel Injection	Sequential, multi-port, electronic
Construction	Cast iron block, aluminum alloy heads
Compression Ratio	9.3:1
Power (SAE net, estimated)	175 hp (131 kW)
Torque (SAE net, estimated)	205 lb.-ft. (278 N•m)
Maximum Engine Speed	5,600 rpm
Fuel Requirement	Unleaded mid-grade, 87 octane (R+M) / 2 and up to E85 Ethanol
Oil Capacity	5 qt. (4.7L)
Coolant Capacity	13.36 qt. (12.64L) — standard 16.28 qt. (15.4L) — with rear heater
Emission Controls	Three-way catalytic converter, heated oxygen sensors, electronic EGR, and internal engine features <sup>1</sup>
Fuel Economy, NAFTA Markets (mpg city/highway) 3.3L Gasoline Engine, Automatic Transmission	17/24

### Engine: 3.8-Liter, OHV, SMPI V6

Availability	Standard — SXT
Type and Description	Six-cylinder, 60° V-type, liquid-cooled

Displacement	230.5 cu. in. (3778 cu. cm)
Bore x Stroke	3.78 x 3.43 (96 x 87)
Valve System	OHV, 12 valves, roller followers, hydraulic lifters
Fuel Injection	Sequential, multi-port, electronic
Construction	Cast iron block, aluminum alloy heads
Compression Ratio	9.6:1
Power (SAE net, estimated)	197 hp (147 kW)
Torque (SAE net, estimated)	230 lb.-ft. (312 N•m)
Maximum Engine Speed	5,600 rpm
Fuel Requirement	Unleaded regular 87 octane (R+M) / 2
Oil Capacity	5 qt. (4.7L)
Coolant Capacity	16.28 qt. (15.4L)
Emission Controls	Three-way catalytic converter, heated oxygen sensors, electronic EGR, and internal engine features <sup>2</sup>

Fuel Economy, NAFTA Markets (mpg city/highway)  
3.8L Gasoline Engine, Automatic Transmission

16/23

### **Engine: 4.0-Liter, SOHC, 24-Valve, SMPI V6**

Availability	Optional — SXT
Type and Description	60° bank angle, liquid-cooled, with three-plenum intake manifold, electronically controlled manifold tuning valve and short-runner valves
Displacement	241.2 cu. in. (3952 cu. cm)
Bore x Stroke	3.78 x 3.58 (96 x 91)
Valve System	SOHC, 24 valves, hydraulic, center-pivot roller rocker arms
Fuel Injection	Sequential, multi-port, electronic
Construction	Semi-permanent mold aluminum block with cast in iron liners and cast aluminum heads
Compression Ratio	10.3:1 on mid-grade fuel
Power (SAE net, estimated)	251 hp (189 kW)
Torque (SAE net, estimated)	259 lb.-ft. (350 N•m)
Maximum Engine Speed	6,000 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M) / 2

Oil Capacity	5.5 qt. (5.2L) SAE
Coolant Capacity	10W16 28 qt. (15.4L)
Emission Controls	Maniverter 3-way catalytic converters, quad heated oxygen sensors and internal engine features
Fuel Economy, NAFTA Markets (mpg city/highway) 4.0L Gasoline Engine, Automatic Transmission	16/23

### **Transaxle: 41TE, Automatic Four-Speed Overdrive**

Availability	Standard with 3.3L engine
Description	4-speed overdrive, adaptive electronic control, electronically modulated converter clutch
Gear Ratios	
1st	2.842
2nd	1.57
3rd	1.0
4th	0.69
Reverse	3.214
Final Drive Ratio	3.434
Overall Top Gear	2.369

### **Transaxle: 62TE, Automatic Six-Speed Overdrive**

Availability	Standard with 3.8L and 4.0L V6 engines
Description	6-speed, adaptive electronic control
Gear Ratios	
1st	4.127
2nd	2.842
3rd	2.283
4th	Upshift — 1.452 WOT kickdown — 1.570
5th	1.00
6th	0.690
Reverse	3.214
Transfer Ratio	0.95
Final Drive Ratio	3.246

Overall Top Gear	2.24
<b>Drivetrain</b>	
Front-wheel Drive	Standard
<b>Electrical System</b>	
Alternator	140 amp — Standard SE 160 amp — Standard SXT
Battery	600 CCA
<b>Dimensions and Capacities</b>	
Wheelbase	121.2 (3078.2)
Overhang — Front	37.7 (956.8)
Overhang — Rear	43.7 (1108.9)
Track — Front	65.5 (1663.2)
Track — Rear	64.8 (1645.0)
Overall Length	202.5 (5143.9)
Overall Width	78.7 (2000.0)
Overall Width, with Mirrors	88.5 (2246.8)
Overall Height	68.9 (1750.0)
Liftover Height	24.4 (619.9)
Cargo Width @ Wheelhouse	49.00 (1245.5)
Maximum Cargo Height, SE/SXT	48.6 (1233.4) / 46.2 (1172.4)
Angle of Approach (curb load)	14.3°
Angle of Departure (curb load)	18.7°
Breakover Angle (curb load)	13.9°
Minimum Running Ground Clearance (curb load)	6.1 (154.9)
Aero Cd	0.33
Fuel Tank Capacity, gal. (L)	20.0 (75.71)
Gross Combination Vehicle Weight Rating (GCWR), lbs. (kg)	
All Gas Engines	7000 (3175)
3.8L and 4.0L Engines with Trailer Tow Prep Package	8700 (3946.2)
Towing Capacity, lbs. (kg)	
All Engines	1800 (816.5)

3.8L and 4.0L Gas Engine with Trailer Tow Prep Package	3600 (1632.9)
U.S. Curb Weight, wet lbs. (kg)	
3.3L Gasoline Engine	SE, automatic transaxle — 4321 (1960.6) Weight Distribution % F/R — 56/44
3.8L Gasoline Engine	SXT, automatic transaxle — 4483 (2038) Weight Distribution % F/R — 56/44
4.0L Gasoline Engine	SXT, automatic transaxle — 4514 (2047.3) Weight Distribution % F/R — 56/44
<b>Accommodations</b>	
Seating Capacity — F/I/R	2/2/3
EPA Total Interior Passenger Volume, SE/SXT, cu. ft. (cu. m)	163.5 (4.63) / 156.1 (4.42)
Front	
Head Room	39.8 (1010.9)
Head Room, with Sun Roof	37.3 (946.0)
Leg Room	40.6 (1031.7)
Shoulder Room	63.0 (1600.7)
Hip Room	57.0 (1446.9)
Seat Travel	8.7 (220)
Front Passenger Volume, cu. ft. (cu. m)	58.9 (1.7)
Intermediate	
Head Room, SE/SXT	39.2 (996.7) / 39.7 (1008.1)
Leg Room, SE/SXT	36.4 (923.8) / 36.3 (922.5)
Knee Clearance, SE/SXT	3.5 (88.9) / 3.6 (92.7)
Shoulder Room	64.7 (1643.4)
Hip Room, SE/SXT	64.8 (1646.0) / 64.8 (1647.1)
Intermediate Passenger Volume, SE/SXT, cu. ft. (cu. m)	53.4 (1.51) / 54.0 (1.53)
Rear	
Head Room	37.9 (961.9)
Leg Room, SE/SXT	37.6 (954.6) / 31.8 (807.9)
Knee Clearance	4.4 (113.0) / 6.2 (156.7)
Shoulder Room	62.0 (1575.9)
Hip Room	48.7 (1237.7)

Rear Passenger Volume, cu. ft. (cu. m)	51.1 (1.4) / 43.2 (1.2)
<b>Cargo Volume Indexes</b>	
Total Passenger plus Cargo Volume, cu. ft. (cu. m), SE/SXT	199.9 (5.7) / 192.5 (5.5)
Behind Front Seats, cu. ft. (cu. m), SE/SXT	144.3 (4.1) / 140.6 (4.0)
Behind Second-row Seats, cu. ft. (cu. m)	83.0 (2.4)
Behind Third-row Seats, cu. ft. (cu. m)	32.3 (0.9)
<b>Body/Chassis</b>	
Layout	Transverse front engine, front-wheel drive
Construction	Unitized steel with hinged front doors; sliding left and right side doors — power available; liftgate with temperature-compensated gas props — power available
<b>Suspension</b>	
Front	Independent MacPherson strut, coil spring over gas-charged shock absorbers, stabilizer bar with isolated suspension cradle
Rear	Twist-beam axle with coil springs, track bar, gas-charged shock absorbers, self-leveling shock absorbers are included with Trailer Tow Packages
<b>Steering</b>	
Type	Power rack and pinion
Overall Ratio	16.9:1
Turning Diameter (curb-to-curb)	39.1 ft. (11.92 m)
Steering Turns (lock-to-lock)	3.14
<b>Brakes</b>	
Power Assist Type	All — 8 x 9 (204 x 230) Tandem-diaphragm vacuum
Availability	Standard
Front	
Size and Type	11.9 x 1.1 (302 x 28) vented rotors with 2.6 (66.0) single-piston floating caliper
Swept Area (total front)	55.0 sq. in. (355 sq. cm)
Rear	
Size and Type	12.0 x 0.47 (305 x 12) solid rotors with 42 mm single-piston IPB caliper

Swept Area (total rear)	54.3 sq. in. (350 sq. cm)
Parking Brake Type	Integral parking brake
Four-wheel Anti-lock (ABS)	Standard
Electronic Stability Program (ESP)	Standard
All-speed Traction Control	Standard

## **Wheels**

### **U.S. and Canada**

Availability	Standard — SE
Type and Material	Steel with painted bolt-on wheel cover
Size	16 x 6.5
Availability	Standard — SXT Optional — SE
Type and Material	Machined face cast aluminum with painted pocket
Size	16 x 6.5
Availability	Optional — SXT
Type and Material	Cast aluminum with painted pocket
Size	17 x 6.5

## **Tires**

### **U.S. and Canada**

Availability	Standard — SE and SXT
Size and Type	225/65R16, all season
Model	Yokohama Avid S33 black sidewall
Revs/Mile (Km)	763 (1230)
Availability	Optional — SXT
Size and Type	P225/65R17, all season
Model	Bridgestone Turanza EL400 black sidewall
Revs/Mile (Km)	736 (1187)

<sup>1</sup> Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California, New York, Massachusetts, Vermont and Maine as LEV-II (Low Emissions Vehicle).

<sup>2</sup> Meets Federal Tier 2, Bin 5+ emissions requirements; marketed in California, New York, Massachusetts, Vermont and Maine as ULEV-II (Ultra-Low Emissions Vehicle).