

2006 Dodge Caravan/Grand Caravan Specifications

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

GENERAL INFORMATION

Body Style _____ Multipurpose vehicle
Assembly Plants ____ Grand Caravan—Windsor, Ontario, Canada and Caravan—St. Louis, Missouri
EPA Vehicle Class _____ Multipurpose vehicle

ENGINE: 2.4-LITER, DOHC, 16-VALVE SMPI I-4

Availability _____ Std.—Caravan SE
Type and Description _____ Inline with balance shafts, liquid-cooled
Displacement _____ 148.2 cu. in. (2429 cu. cm)
Bore x Stroke _____ 3.44 x 3.98 (87.5 x 101.0)
Valve System _____ DOHC, 16 valves, stamped-steel rocker arms with roller followers, hydraulic lash adjusters
Fuel Injection _____ Sequential multi-port, electronic
Construction _____ Cast-iron block, cast-iron bedplate, aluminum alloy head
Compression Ratio _____ 9.4:1
Power (SAE net) _____ 150 bhp (112 kW) @ 5,100 rpm (61.8 bhp/L)
Torque (SAE net) _____ 165 lb.-ft. (226 N•m) @ 4,000 rpm
Max. Engine Speed _____ 6,250 rpm
Fuel Requirement _____ Unleaded regular, 87 octane (R+M)/2
Oil Capacity _____ 4.5 qt. (4.25L) plus filter
Coolant Capacity _____ 11.35 qt. (10.74L)
Emission Controls _____ Three-way catalytic converter, heated oxygen sensors and internal engine features(a)
Max. Gross Trailer Weight _____ 1,000 lbs. (450 kg)
Estimated EPA Fuel Economy mpg (City/Hwy) _____ 20/26

ENGINE: 3.3-LITER, OHV, 12-VALVE SMPI V-6

Availability _____ Std.—Caravan SXT, Grand Caravan 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) _____ 180 bhp (134 kW) @ 5,000 rpm (54.5 bhp/L)
Torque (SAE net) _____ 210 lb.-ft. (285 N•m) @ 4,000 rpm
Max. Engine Speed _____ 5,600 rpm
Fuel Recommendation _____ 87 octane (R+M)
Oil Capacity _____ 4 qt. (3.8L) plus filter
Coolant Capacity _____ 13.36 qt. (12.64L)—std.; 16.28 qt. (15.4L)—with rear heater
Emission Controls _____ Three-way catalytic converter, heated oxygen sensors, electronic EGR, and internal engine features(a)
Max. Gross Trailer Weight _____ 2,000 lbs. (900 kg)—std.; 3,600 lbs. (1724 kg)—with optional Trailer Preparation Group
Estimated EPA Fuel Economy mpg (City/Hwy) _____ 19/26—gasoline

ENGINE: 3.8-LITER, OHV, 12-VALVE SMPI V-6

Availability _____ Std.—Grand Caravan 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) _____ 205 bhp (153 kW) @ 5,200 rpm (54.5 bhp/L) torque (SAE net)
 _____ 240 lb.-ft. (325 N•m) @ 4,000 rpm
 Max. Engine Speed _____ 5,600 rpm
 Fuel Recommendation _____ Unleaded regular, 87 octane (R+M)/2
 Oil Capacity _____ 4 qt. (3.8L) plus filter
 Coolant Capacity _____ 13.36 qt. (12.64L)—std.; 16.28 qt. (15.4L)—with rear heater
 Emission Controls _____ Three-way catalytic converter, heated oxygen sensors, electronic EGR,
 and internal engine features(a)
 Max. Gross Trailer Weight _____ 2,000 lbs. (900 kg)—std.; 3,800 lbs. (1724 kg)—
 with optional Trailer Tow Preparation Group
 Estimated EPA Fuel Economy mpg (City/Hwy) _____ 18/25

TRANSAXLE: AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability _____ Std.—All
 Description _____ Adaptive electronic control, electronically modulated converter clutch
 Gear Ratios
 1st _____ 2.84
 2nd _____ 1.57
 3rd _____ 1
 4th _____ 0.69
 Final Drive Ratio _____ 3.62—3.3L engine; 3.43—3.8L engine
 Overall Top Gear _____ 2.49—3.3L engine; 2.37—3.8L engine

ELECTRICAL SYSTEM

Alternator _____ 140-amp—std.; 160-amp—included with rear air conditioning,
 fog lamps, heated seats and/or Trailer Tow group
 Battery _____ 600 CCA—std. with 2.4L; included with Trailer Tow group;
 500 CCA—std. with 3.3L and 3.8L engines

DIMENSIONS AND CAPACITIES(b)

Caravan

Wheelbase _____ 113.3 (2878)
 Track, front _____ 63.0 (1600)
 Track, rear _____ 64.0 (1626)
 Overall length _____ 189.3 (4808)
 Overall width _____ 78.6 (1997)
 Overall height (with Roof Rack) _____ 68.9 (1749)
 Ground clearance _____ 5.6 (142)
 Curb weight (estimated) _____ 3,763 lbs. (1707 kg)
 _____ SE; 3,921 lbs. (1779 kg)—SXT
 Weight distribution, %F/R _____ 58/42—SE; 58/42—SXT
 Frontal area _____ 31.17 sq. ft. (2.90 sq. m)
 Drag coefficient _____ 0.35
 Fuel tank capacity _____ 20 gal. (75L)

Grand Caravan

Wheelbase _____ 119.3 (3030)
 Track, front _____ 63.0 (1600)
 Track, rear _____ 64.0 (1626)

Overall length	200.5 (5093)
Overall width	78.6 (1997)
Overall height (with Roof Rack)	68.9 (1750)
Ground clearance	5.5 (138)
Curb weight (estimated)	4,183 lbs. (1742 kg)—SE; 4,339 lbs. (1962 kg)—SXT
Weight distribution, %F/R	58/42—SE; 56/44—SXT
Frontal area	31.17 sq. ft. (2.90 sq. m)
Drag coefficient	0.35
Fuel tank capacity	20 gal. (75L)

ACCOMMODATIONS

Caravan — Short Wheelbase

Seating Capacity, F/I/R _____ 2/2/3

Front

Head room	39.6 (1005)
Leg room	40.8 (1032)
Shoulder room	62.8 (1598)
Hip room	57.2 (1453)
Seat travel	8.6 (220)
Front volume index	55.9 cu. ft. (1.65 cu. m)

Intermediate

Head room	39.2 (994.7)
Leg room	36.6 (930.7)
Knee clearance	1.6 (40.4)
Shoulder room	64.7 (1644)
Hip room	67.8 (1722)
Intermediate volume index	53.7 cu. ft. (1.52 cu. m)

Rear

Head room	37.3 (948)
Leg room	34.5 (875.8)
Knee clearance	9 (24.1)
Shoulder room	61.9 (1574)
Hip room	49.0 (1246)
Rear volume index	43.2 cu. ft. (1.19 cu. m)

Cargo Volume Indexes

Aft of int. seat	44.2 cu. ft. (1.25 cu. m)
Aft of rear seat	15.1 cu. ft. (0.43 cu. m)
Seats removed	142.3 cu. ft. (4.03 cu. m)

Grand Caravan — Long Wheelbase

Seating Capacity, F/I/R _____ 2/2/3

Front

Head room	39.6 (1005)
Leg room	40.6 (1032)
Shoulder room	62.8 (1598)
Hip room	57.2 (1452)
Seat travel	8.6 (220)
Front volume index	58.2 cu. ft. (1.65 cu. m)

Recliner range _____ 38°

Intermediate

Head room	39.1 (994)
Leg room	34.7 (881.1)
Knee clearance	4.2 (106.7)
Shoulder room	64.7 (1644)
Hip room	67.6 (1717)
Intermediate volume index	51.5 cu. ft. (1.46 cu. m)

Rear

Head room	38.3 (973)
Leg room	31.9 (809)
Knee clearance	6.0 (151.3)
Shoulder room	62.1 (1577)
Hip room	49.0 (1244)
Rear volume index	41.0 cu. ft. (1.16 cu. m)

Cargo Volume Indexes

Aft of int. seat	54.9 cu. ft. (1.55 cu. m)
Aft of rear seat	26.4 cu. ft. (0.75 cu. m)
Seats stowed (fold-in-the-floor)	160.7 cu. ft. (4.55 cu. m)

BODY

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

SUSPENSION

Front _____ ISO struts with integral gas-charged shock absorbers, coil springs,
_____ asymmetrical lower control arms, link-type stabilizer bar, urethane jounce bumpers,
_____ rubber-isolated cast-aluminum crossmember—std.
Rear _____ Rubber-isolated longitudinal single-leaf springs, tubular beam axle,
_____ track bar and gas-charged shock absorbers—std.;
_____ Revised spring rates and load-leveling shock absorbers—opt. SE and SXT;
_____ stiffer springs, higher control shock—Trailer Towing Group only

STEERING

Type _____ Rack and pinion, power-assisted
Overall Ratio _____ 17.8:1
Turning Diameter (curb-to-curb) _____ 37.6 ft. (11.5 m)—Caravan; 39.4 ft. (12.0 m)—Grand Caravan
Steering Turns (lock-to-lock) _____ 3.14

TIRES

Opt. — Caravan SE, Caravan SXT and Grand Caravan SE

Size and type _____ 215/65R16 low black-letter all-season
Mfr. and model _____ Bridgestone Turanza EL42
Revs per mile (km) _____ 778 (483)

Standard — SXT

Size and type _____ 215/70R15 black sidewall all-season
Mfr. and model _____ Goodyear Integrity
Revs per mile (km) _____ 780 (485)

WHEELS

Standard — Caravan SE, Grand Caravan SE

Type and material _____ Stamped-steel
Size _____ 15 x 6.5

Standard — Caravan SXT, Grand Caravan SXT

Type and material _____ Cast-aluminum
Size _____ 16 x 6.5

BRAKES

Standard — Caravan SE

Front

Size and type _____ 11.1 x 1.10 (281 x 28) vented disc with 2.60 (66) single-piston sliding caliper

Swept area _____ 228.5 sq. in. (1474 sq. cm)

Rear

Size and type _____ 9.8 x 2.2 (250 x 55) dual-action drum

Swept area _____ 134 sq. in. (864 sq. cm)

Power Assist Type _____ 10.62 (270) single-diaphragm vacuum

Standard — Optional — Caravan SE and SXT

Front

Size and type _____ 11.1 x 1.10 (281 x 28) vented disc with 2.60 (66) single-piston sliding caliper and ABS

Swept area _____ 228.5 sq. in. (1474 sq. cm)

Rear

Size and type _____ 9.8 x 2.2 (250 x 55) dual-action drum with ABS

Swept area _____ 134 sq. in. (864 sq. cm)

Power Assist Type _____ 10.62 (270) single-diaphragm vacuum

Standard — Grand Caravan SE and SXT

Front

Size and type _____ 11.1 x 1.10 (281 x 28) vented disc with 2.60 (66) single-piston sliding caliper and ABS

Swept area _____ 228.5 sq. in. (1474 sq. cm)

Rear

Size and type _____ 11.4 x 0.5 (290 x 12.5) solid disc with 1.65 (42) single-piston sliding caliper and ABS

Swept area _____ 190.5 sq. in. (1229 sq. cm)

Power Assist Type _____ 10.62 (270) single-diaphragm vacuum

- (a) Meets Tier 2 Bin 5 (federal) and LEV 2 (CA) emission requirements.
- (b) All dimensions measured at curb weight.