

# CANADA

## 2022 Wagoneer / Grand Wagoneer

### SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.

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

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

#### GENERAL INFORMATION

Vehicle Type	Four-door sport-utility vehicle
Assembly Plant	Warren Truck Assembly Plant, Warren, Michigan
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	March 2021 as a 2022 model

#### BODY AND CHASSIS

Layout	Front engine, rear- or four-wheel drive
Construction	Steel frame

#### ENGINE: 5.7-LITRE V-8 with eTorque hybrid assist

Availability	Standard — Wagoneer
Type and Description	90-degree V-8 with variable cam timing
Hybrid Battery	48-volt, 12-cell lithium-ion, nickel manganese cobalt (NMC) graphite chemistry, 390Wh
Belt-starter Generator	12kW power, 130 lb.-ft. launch torque
Displacement	5,654 cu. cm (345 cu. in.)
Bore x Stroke	99.5 x 90.9 (3.92 x 3.58)
Valve System	Variable-cam timing, pushrod-operated overhead valves, 16 valves, hydraulic lifters with roller followers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum-alloy heads with hemispherical combustion chambers
Compression Ratio	10.5:1
Power	392 hp (292 kW) @ 5,600 rpm
Torque	404 lb.-ft. (548 N•m) @ 3,950 rpm

Max. Engine Speed	5,800 rpm
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — recommended Unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	6.6 litres (7.0 quarts)
Coolant Capacity	17.2 litres (15.6 quarts)
Factory Oil Fill	Pennzoil Gold 0W-20
Emission Controls	Three-way catalytic converters, heated oxygen sensors and internal engine features
EnerGuide (2021) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) (city/hwy/combined)	TBD

Based on 2021 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: [www.vehicles.nrcan.gc.ca](http://www.vehicles.nrcan.gc.ca)

Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico
----------------	---

#### ENGINE: 6.4-LITRE V-8

Availability	Standard — Grand Wagoneer
Type and Description	90-degree V-type, liquid-cooled
Displacement	6,417 cu. cm (392 cu. in)
Bore x Stroke	103.9 x 94.5 (4.09 x 3.72)
Valve System	Pushrod-operated overhead valves, 16 valves with sodium-filled exhaust valves and hollow stem intake valves, 16 conventional hydraulic lifters, all with roller tips
Fuel Injection	Sequential, multi-port, electronic, returnless; features Fuel Saver mode
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.9:1
Power (SAE J2723)	471 hp (351 kW) @ 6,000 rpm
Torque (SAE J2723)	455 lb.-ft. (617 N•m) @ 4,400 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity	6.6 litres (7.0 quarts)
Coolant Capacity	18.1 litres (16.4 quarts)

Factory Oil Fill	Pennzoil Ultra Platinum 0W-40
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features <sup>(b)</sup>
Exhaust Type	Dual exhaust with dual 10.1 cm (4-in.) oval black chrome tips
EnerGuide (2021) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) (city/hwy/combined)	TBD
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

Based on 2021 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: [www.vehicles.nrcan.gc](http://www.vehicles.nrcan.gc).

#### TRANSMISSION: TORQUEFLITE 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 5.7-litre V-8 with eTorque mild-hybrid assist
Description	5 clutches and 4 planetary gear set architecture. 7.03 overall ratio spread. Start/stop and electronic range select capability. Electronically modulated torque converter clutch with torsional turbine damper
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.11
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

#### TRANSMISSION: TORQUEFLITE 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 6.4-litre V-8 models
Description	5 clutches and 4 planetary gear set architecture. 7.03 overall ratio spread. Electronically modulated torque converter clutch with torsional turbine damper. Electronic range select capability.
Gear Ratios	
1st	4.71

2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

#### **TRANSFER CASE: 1-Speed**

Availability	Standard — 5.7-litre V-8 engine
Type	Single-speed
Operating Mode	Full-time active 4x4
Torque Split, Front/Rear	Variable – Auto, Tow, Snow, Mud, Sand, Rock, Sport
Low Range Ratio	None

#### **TRANSFER CASE: 2-Speed**

Availability	Optional — 5.7-litre V-8 engine Standard — 6.4-litre V-8 engine
Type	Two-speed electronically shifted
Operating Modes	4x4 Low Active, Neutral, full-time active 4x4
Low Range Ratio	2.64
Torque Split, Front/Rear	Variable — Auto, Tow, Snow, Mud, Sand, Rock, Sport

#### **AXLES**

Front	
Differential Type	Open
Availability	Standard

Ring Gear Diameter	215 (8.5)
Axle Ratios	3.21:1 — Standard with 5.7-litre V-8
	3.92:1 — Optional with 5.7-litre V-8, standard with 6.4-litre V-8
<b>Rear</b>	
Differential Type	Limited Slip or Electronic Limited Slip (ELSD)
Availability	Limited Slip Differential — Standard with 5.7-litre V-8 Electronic Limited Slip Differential (ELSD) — Optional with 5.7-litre V-8, Standard with 6.4-litre V-8
Ring Gear Diameter (in/mm)	260 (10.2)
Axle Ratios	3.21:1 — Standard with 5.7-litre V-8 3.92:1 — Optional with 5.7-litre V-8, standard with 6.4-litre V-8

## ELECTRICAL SYSTEM

Alternator	240-amp
Battery	Maintenance-free H7 730 CCA

## SUSPENSION

Front	Short- and long-arm independent with hybrid steel composite upper control arm, aluminum lower control arm, aluminum knuckle, coil springs with monotube shocks or Quadra-lift air suspension with semi-active damping, solid or hollow stabilizer bar
Rear	Five-link independent rear suspension, coil springs with monotube load leveling shocks or Quadra-lift air suspension with semi-active damping, solid or hollow stabilizer bar, cast aluminum links (tension, compression, camber, toe), high strength steel spring link

## STEERING

Type	Electric rack-and-pinion steering
Overall Ratio	16.7:1
Turning Diameter (curb-to-curb) (m/ft.)	11.6 (38.0)
Steering Turns (lock-to-lock)	3.2

## BRAKES

Type	Electronic power brakes (eBooster), anti-lock brake system (ABS)
Availability	Standard
Front	
Rotor size and type mm (inches)	378 x 30 (14.88 x 1.18) vented disc
Caliper size and type mm (inches)	57 (2.24) two-piston pin-slider caliper
Swept area, sq. cm (sq. in.)	651.5 (100.9)
Rear	
Rotor size and type mm (inches)	375 x 22 (14.76 x 0.87) solid disc
Caliper size and type mm (inches)	57 (2.24) single-piston pin-slider caliper with EPB
Swept area, sq. cm (sq. in.)	511.6 (79.2)

#### DIMENSIONS AND CAPACITIES

Wheelbase	3,124 (123.0)
Track, Front	1,740 (68.5)
Track, Rear	1,734 (68.3)
Overall Length	5,453 (214.7)
Overall Width (width at mirrors)	2,388 (94.0)
Body Width	2,124 (83.6)
Overall Height (at roof rail / at antenna)	1,921 (75.6) / 1,964 (77.3)
Load Floor Height, cm (inches)	86.4 (34.0) — standard suspension 81.0 (31.9) — air suspension
Sill Step Height, cm (inches)	57.9 (22.8) — standard suspension 53.5 (21.1) — air suspension
Ground Clearance (with 275/55R20 tire and 5.7-litre engine), cm (inches)	20.3 (8.0) — standard suspension 25.4 (10.0) — air suspension (Pos#2)
Chassis (fuel tank), cm (inches)	24.6 (9.7) — standard suspension 27.6 (10.9) — air suspension (Pos#2)

Front Axle, cm (inches)	24.3 (9.6) — standard suspension
	29.4 (11.6) — air suspension (Pos#2)
Rear Axle, cm (inches)	22.8 (9.0) — standard suspension
	27.9 (11.0) — air suspension (Pos#2)
Approach Angle (degrees)	21.5 — standard suspension
	25.0 — air suspension (Pos#2)
	25.0 (Off-road II with air dam on)
Ramp Breakover Angle (degrees)	18.5 — standard suspension
	22.0 — air suspension (Pos#2)
Departure Angle (degrees)	21.1 — standard suspension
	24.0 — air suspension (Pos#2)
Frontal Area sq. ft. (sq. m)	37.2 (3.46)
Drag Coefficient (Cd)	0.352 — Wagoneer
Aero CdA	13.1 (Cd x cross-sectional area) — Wagoneer
Fuel Tank Capacity, (US gallons / litre)	100.3 (26.5)

## ACCOMMODATIONS

Seating Capacity	<b>Wagoneer</b>
	Standard — 2/3/3 (including 2 <sup>nd</sup> row bench)
	Optional — 2/2/3 (including captain's chairs)
SAE Total Interior Passenger Volume, litres (cu. ft.)	<b>Grand Wagoneer</b>
	Standard — 2/2/3 (including captain's chairs)
	Optional — 2/3/3 (including 2 <sup>nd</sup> row bench)
Front	5,074 (179.2)
Headroom, cm (inches)	104.9 (41.3)
Legroom, cm (inches)	103.8 (40.9)
Shoulder room, cm (inches)	167.8 (66.1)
Hip room, cm (inches)	161.0 (63.4)
Seat travel, cm (inches)	20.5 (8.1)
EPA front volume index, litres (cu. ft.)	1,832 (64.7)

Cargo volume behind first-row seats, litres (cu. ft.)	3,304 (116.7) Wagoneer / 2,667 (94.2) Grand Wagoneer
<b>2<sup>nd</sup> Row</b>	
Headroom, cm (inches)	101.6 (40.0)
Legroom, cm (inches)	108.4 (42.7)
Knee clearance, cm (inches)	17.0 (6.7) Wagoneer / 14.2 (5.6) Grand Wagoneer
Shoulder room, cm (inches)	165.6 (65.2)
Hip room, cm (inches)	160.0 (63.0)
EPA 2 <sup>nd</sup> row seat volume index litres (cu. ft.)	1,826 (64.5)
Cargo volume behind second-row seats litres (cu. ft.)	2,004 (70.8) Wagoneer / 2,007 (70.9) Grand Wagoneer
<b>3<sup>rd</sup> Row</b>	
Headroom, cm (inches)	99.0 (39.0)
Legroom, cm (inches)	92.9 (36.6)
Knee clearance, cm (inches)	4.8 (1.9)
Shoulder room, cm (inches)	163.5 (64.4)
Hip room, cm (inches)	131.0 (51.6)
EPA 3 <sup>rd</sup> row seat volume index litres, (cu. ft.)	1,415 (50.0)
Cargo volume behind third-row seats litres, (cu. ft.)	775 (27.4)
Total passenger plus cargo volume litres, (cu. ft.)	5,850 (206.6)

#### WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR <sup>(a)</sup> kg (lbs.)	CURB WEIGHT <sup>(b)</sup> kg (lbs.)	PAYLOAD <sup>(c)</sup> kg (lbs.)	WEIGHT DISTRIBUTION, F/R
<b>4WD</b>	Wagoneer Series II	5.7-litre	3,470 (7,650)	2,808 (6,190)	703 (1,550)	52/48
	Wagoneer Series III	5.7-litre	3,493 (7,700)	2,826 (6,230)	708 (1,560)	52/48
	Grand Wagoneer Series I	6.4-litre	3,943 (7,700)	2,876 (6,340)	658 (1,450)	51/49



Grand Wagoneer Series II	6.4-litre	3,493 (7,700)	2,903 (6,400)	626 (1,380)	51/49
Grand Wagoneer Series III	6.4-litre	3,493 (7,700)	2,912 (6,420)	617 (1,360)	51/49

(a) Gross Vehicle Weight Rating.

(b) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.

(c) Payload is the maximum allowable weight of driver, passengers, cargo, and options, rounded to the nearest 5 kg (10 lbs.).

## WHEELS

Availability	Standard on Wagoneer Series II
Type and material	Painted cast aluminum, six spoke
Size (in.)	20 x 9
Availability	Standard on Wagoneer Series III
Type and material	Machined cast aluminum with Black Noise painted pockets
Size (in.)	20 x 9
Availability	Standard on Grand Wagoneer Series I
Type and material	Machined cast aluminum with Baltic Gray painted pockets
Size (in.)	20 x 9
Availability	Standard on Grand Wagoneer Series II, optional on Grand Wagoneer Series I
Type and material	Polished aluminum with Luster Gray painted pockets
Size (in.)	22 x 9
Availability	Standard on Grand Wagoneer Series III
Type and material	Polished aluminum with Lights Out painted pockets
Size (in.)	22 x 9
Availability	Optional on Wagoneer Series II, optional on Wagoneer Series III
Type and material	Polished aluminum with Black Noise painted pockets
Size (in.)	22 x 9
Availability	Optional on Grand Wagoneer Series II

Type and material	Painted cast aluminum Satin Carbon with chrome inserts
Size (in.)	22 x 9

Availability	Optional on Grand Wagoneer Series III
Type and material	Machined cast aluminum with Black Noise painted pockets and brushed nano steel inserts
Size (in.)	22 x 9

Availability	Optional with Advanced All Terrain Group
Type and material	Machined cast aluminum with Black Noise painted pockets
Size (in.)	18 x 8

Availability	Optional with Advanced All Terrain Group
Type and material	Machined cast aluminum with Satin Granite Crystal painted pockets
Size (in.)	20 x 9

Availability	Standard Obsidian
Type and material	Tinted machined cast aluminum with Black Noise painted pockets and Gloss Black inserts
Size (in.)	22 x 9

## TIRES

Availability	Standard – Wagoneer Series II, Wagoneer Series III
Size and type	275/55R20
Mfr. and model	Nexen Roadian HTX RH5 All Season
Revs per mile	656

Availability	Standard – Grand Wagoneer Series I; Packaged – HD Trailer Tow, Premium Group I
Size and type	275/55R20
Mfr. and model	Bridgestone Dueler H/L Alenza All Season T Rated for NA
Revs per mile	655

Availability	Standard – Grand Wagoneer Series II, Grand Wagoneer Series III; Packaged – Premium Group I
Size and type	285/45R22XL
Mfr. and model	Goodyear Eagle Touring All Season/Perf
Revs per mile	639

Availability	Packaged – Advanced All Terrain Group
Size and type	275/65R18
Mfr. and model	Firestone Destination AT2 All Terrain
Revs per mile	651

Availability	Packaged – Advanced All Terrain Group
Size and type	275/55R20
Mfr. and model	Falken Wildpeak A/T All Terrain
Revs per mile	660

Parking Brake Type	Electric power steering (standard)
Four-wheel Anti-lock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard
Brake Assist	Standard

#### TRAILER TOWING

	Engine	Axle Ratio	Maximum Trailer Weight lbs. (kg)
4WD	5.7-litre V-8	3.21	10,000 (4,536)
4WD	6.4-litre V-8	3.92	9,850 (4,468)

x x x