# 2022 Wagoneer / Grand Wagoneer

## SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.  
All dimensions are in inches (millimeters) 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-liter HEMI® 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 345 cu. in. (5,654 cu. cm)

Bore x Stroke 3.92 x 3.58 (99.5 x 90.9)

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

### ENGINE: 5.7-liter HEMI® V-8 WITH ETORQUE HYBRID ASSIST (continued)

Oil Capacity 7.0 quarts (6.6 liters)

Coolant Capacity 17.2 liter (15.6 quarts)

Factory Oil Fill Pennzoil Gold 0W-20

Emission Controls Three-way catalytic converters, heated oxygen sensors   
and internal engine features

EPA Fuel Economy mpg (city/hwy) 16/22/18 — 2WD,15/20/17 — 4WD

Assembly Plant Saltillo Engine Plant, Saltillo, Mexico

### ENGINE: 6.4-LITER V-8

Availability Standard — Grand Wagoneer

Type and Description 90-degree V-type, liquid-cooled

Displacement, cu. in. (cu. cm.) 392 (6,417)

Bore x Stroke 4.09 x 3.72 (103.9 x 94.5)

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, qt. (liter) 7 (6.6)

Coolant Capacity, qt. (liter) 18.1 liter (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(a)

Exhaust Type Dual exhaust with dual 4-in. oval black chrome tips

EPA Fuel Economy mpg (city/hwy/combined) 13/18/15 — 4WD

Assembly Plant Saltillo Engine Plant, Saltillo, Mexico

(a) Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as an LEV II (Low Emission Vehicle)   
under cleanest vehicle rules.

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

Availability Standard — 5.7-liter 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-liter 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 Optional — 5.7-liter V-8 engine

Type Single-speed

Operating Mode Full-time active 4x4

Torque Split, Front/Rear Variable (60/40) — Auto, Tow, Snow, Mud, Sand, Rock, Sport

Low Range Ratio None

### TRANSFER CASE: 2-SPEED

Availability Optional — 5.7-liter V-8 engine

Optional — 6.4-liter 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 (50/50 or 100 F/R) — Auto, Tow, Snow, Mud,   
Sand, Rock, Sport

### AXLES

Front

Differential Type Open

Availability Standard on 4x4 models

Ring Gear Diameter 8.5 (215)

Axle Ratios 3.21:1 — Standard with 5.7-liter V-8

3.92:1 — Optional with 5.7-liter V-8, standard with 6.4-liter V-8

Rear

Differential Type Limited Slip or Electronic Limited Slip (ELSD)

Availability Limited Slip Differential — Standard with 5.7-liter V-8

Electronic Limited Slip Differential (ELSD) — Optional with 5.7-liter V-8, Standard with 6.4-liter V-8

Ring Gear Diameter (in/mm) 10.2 (260)

Axle Ratios 3.21:1 — Standard with 5.7-liter V-8

3.92:1 — Optional with 5.7-liter V-8, standard with 6.4-liter 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) (ft./m) 38.0 (11.6)

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 Inches (mm) 14.88 x 1.18 (378 x 30) vented disc

Caliper size and type Inches (mm) 2.24 (57) two-piston pin-slider caliper

Swept area, (sq. in. / sq. cm) 100.9 (651.5)

Rear

Rotor size and type Inches (mm) 14.76 x 0.87 (375 x 22) solid disc

Caliper size and type Inches (mm) 2.24 (57) single-piston pin-slider caliper with EPB

Swept area, (sq. in. / sq. cm) 79.2 (511.6)

### DIMENSIONS AND CAPACITIES

Wheelbase 123.0 (3,124)

Track, Front 68.5 (1,740)

Track, Rear 68.3 (1,734)

Overall Length 214.7 (5,453)

Overall Width (width at mirrors) 94.0 (2,388)

Body Width 83.6 (2,124)

### DIMENSIONS AND CAPACITIES (continued)

Overall Height (at roof rail / at antenna) 75.6 (1,921) / 77.3 (1964)

Load Floor Height 34.0 (864) — standard suspension

31.9 (810) — air suspension

Sill Step Height 22.8 (579) — standard suspension

21.1 (537) — air suspension

Ground Clearance (with 275/55R20   
tire and 5.7-liter engine) 8.0 (203) — standard suspension

10.0 (254) — air suspension (Pos#2)

Chassis (fuel tank) 9.7 (246) — standard suspension

10.9 (277) — air suspension (Pos#2)

Front Axle 9.6 (243) — standard suspension

11.6 (294) — air suspension (Pos#2)

Rear Axle 9.0 (229) — standard suspension

11.0 (279) — 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, (gallons / liter) 26.5 (100.3)

### ACCOMMODATIONS

Seating Capacity **Wagoneer**

Standard — 2/3/3 (including 2nd row bench)

Optional — 2/2/3 (including captain’s chairs)

**Grand Wagoneer**

Standard — 2/2/3 (including captain’s chairs)

Optional — 2/3/3 (including 2nd row bench)

### ACCOMMODATIONS (continued)

SAE Total Interior Passenger Volume,   
(cu. ft. / cu. m) 179.2 (5.1)

Front

Headroom 41.3 (1049)

Legroom 40.9 (1040)

Shoulder room 66.1 (1680)

Hip room 63.4 (1611)

Seat travel 8.1 (207)

EPA front volume index (cu. ft. / cu. m) 64.7 (1.8)

Cargo volume behind first-row seats   
(cu. ft. / cu. m) 116.7 (3.3) Wagoneer / 94.2 (2.7) Grand Wagoneer

2nd Row

Headroom 40.0 (1016)

Legroom 42.7 (1085)

Knee clearance 6.7 (170) Wagoneer / 5.6 (143) Grand Wagoneer

Shoulder room 65.2 (1657)

Hip room 63.0 (1599)

EPA 2nd row seat volume index   
(cu. ft. / cu. m) 64.5 (1.8)

Cargo volume behind second-row seats   
(cu. ft. / cu. m) 70.8 (2.0) Wagoneer / 70.9 (2.0) Grand Wagoneer

3rd Row

Headroom 39.0 (991)

Legroom 36.6 (930)

Knee clearance 1.9 / 47

Shoulder room 64.4 (1635)

Hip room 51.6 (1310)

EPA 3rd row seat volume index   
(cu. ft. / cu. m) 50.0 (1.4)

Cargo volume behind third-row seats   
(cu. ft. / cu. m) 27.4 (0.8)

Total passenger plus cargo volume   
(cu. ft. / cu. m) 206.6 / 5.9

### WEIGHTS (Estimates)

| DRIVE SYSTEM | MODEL | ENGINE | GVWR lbs. (kg) | CURB WEIGHT(b) | PAYLOAD(c) lbs. (kg) | WEIGHT DISTRIBUTION, F/R |
| --- | --- | --- | --- | --- | --- | --- |
| **2WD** | Wagoneer Series II | 5.7-liter | 7,400 (3357) | 5,960 (2703) | 1,510 (685) | 51/49 |
|  | Wagoneer Series III | 5.7-liter | 7,500 (3402) | 6,000 (2722) | 1,580 (717) | 51/49 |
| **4WD** | Wagoneer Series II | 5.7-liter | 7,650 (3470) | 6,190 (2808) | 1,550 (703) | 52/48 |
|  | Wagoneer Series III | 5.7-liter | 7,700 (3493) | 6,230 (2826) | 1,560 (708) | 52/48 |
| **4WD** | Grand Wagoneer Series I | 6.4-liter | 7,700 (3943) | 6,340 (2876) | 1,450 (658) | 51/49 |
|  | Grand Wagoneer Series II | 6.4-liter | 7,700 (3493) | 6,400 (2903) | 1,380 (626) | 51/49 |
|  | Grand Wagoneer Series III | 6.4-liter | 7,700 (3493) | 6,420 (2912) | 1,360 (617) | 51/49 |

(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 10 lbs. (5kg).

### Wheels

Availability Standard on Wagoneer Series II

Type and material Painted cast aluminum, six spoke

Size (in.) 20 x 9

Availability Optional 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

### Wheels (continued)

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 Off-road Package

Type and material Machined cast aluminum with Black Noise painted pockets

Size (in.) 18 x 8

Availability Optional with Off-road Package

Type and material Machined cast aluminum with Satin Granite Crystal painted pockets

Size (in.) 20 x 9

Availability Standard Onyx

Type and material Painted cast aluminum with Gloss Black

Size (in.) 22 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 Obsidian, 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

### TIRES (CONTINUED)

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 – Advance 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

|  |  |  |  |
| --- | --- | --- | --- |
| Drive System | Engine | Axle Ratio | Maximum Trailer Weight lbs. (kg) |
| **2WD** | 5.7-liter V-8 | 3.21 | 10,000 lbs. (4536kg) |
| **4WD** | 5.7-liter V-8 | 3.21 | 10,000 lbs. (4536kg) |
| **4WD** | 6.4-liter V-8 | 3.92 | 9,850 lbs. (4472kg) |

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