# 2023 Jeep® Wrangler 4xe

## 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 Sport-utility vehicle

Assembly Plant Toledo North Assembly Plant, Toledo, Ohio

EPA Vehicle Class Multipurpose vehicle

Introduction Date August 2021 as a 2021 model

### BODY/CHASSIS

Layout Longitudinal front engine, four-wheel drive

Construction Ladder-type frame, open steel and aluminum body

### Engine: 2.0-LITER TURBO I-4

Availability Available — Sahara 4xe, Rubicon 4xe (all ESS)

Type and Description I-4 16-valve with direct injection, turbo charging, with throttled, cooled exhaust gas recirculation (EGR)

Displacement (cu. in. / cc) 121 cu. in. (1995 cu. cm)

Bore x Stroke 3.31 x 3.54 (84 x 90)

Valve System Chain-driven DOHC, 16 valves

Fuel Injection Direct injection

Construction Aluminum block, aluminum alloy heads

Compression Ratio 10.0:1

Power (SAE net) (hp / kW @ rpm) 270 hp (200 kW) at 5,250 rpm

Torque (SAE net) (lb.-ft. / N•m) 295 lb.-ft. (400 N•m) at 3,000 rpm

Max. Engine Speed (rpm) 5,800 rpm (electronically limited)

Fuel Requirement Minimum unleaded regular, 87 octane (R + M)/2; 91 octane or higher   
recommended for optimum fuel economy and performance

Fuel Tank Capacity (gallons) 17.2

Oil Capacity 5 quarts (4.7 liters)

Coolant Capacity 9.9 quarts (9.4 liters)

### Engine: 2.0-LITER TURBO I-4 (continued)

Emission Controls GPEC4 engine-management system with close-coupled catalyst   
and wide range O2 sensor

Max. Gross Trailer Weight 3,500 lbs.

EPA Fuel Economy mpg (MPGe/combined) 49/20

Assembly Plant Termoli, Italy and Trenton South Engine Plant, Trenton, Michigan

### eTORQUE BELT-START GENERATOR/MOTOR

Peak Power 44 hp (33 kW)

Starting Torque 39 lb.-ft. (53 N•m)

### TRANSMISSION: 8P75PH PHEV AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability Standard — 2.0-liter PHEV

Description Plug-in hybrid automatic transmission with AC traction motor with Motor Interrupting Clutch and Integrated Launch Element; adaptive electronic control and Auto Stick driver-interactive manual control

Gear Ratios

1st 4.71

2nd 3.14

3rd 2.11

4th 1.67

5th 1.28

6th 1.00

7th 0.84

8th 0.67

Reverse 3.32

### INTEGRATED TRANSMISSION TRACTION MOTOR

Peak Power 134 hp (100 kW)

Peak Torque 181 lb.-ft. (245 N•m)

### HIGH VOLTAGE BATTERY

Chemistry Lithium Ion Li-NMC

Charging Modes Level 1 — 120V AC, Level 2 — 240V AC

Operating Voltage 260 – 400 VDC

Gross Capacity 17.3 kWh

Maximum Charge Rate 7.2 kW

### TOTAL POWERTRAIN OUTPUT

Peak Combined Power 375 hp (280 kW) at 5,250 rpm

Peak Combined Torque 470 lb.-ft. (637 N•m) at 3,000 rpm

### TRANSFER CASE: MP3022 Selec-Trac

Available Standard — Sahara 4xe

Type Full-time

Operating Modes 2WD High (N/A 392); 4WD Auto; 4WD High; Neutral; 4WD Low

Low Range Ratio 2.72:1

### TRANSFER CASE: MP3022OR ROCK-TRAC

Available Standard — Rubicon 4xe

Type Full-time

Operating Modes 2WD High; 4WD Auto; 4WD High; Neutral; 4WD Low

Low Range Ratio 4.0:1

### Axles

Front 3rd generation Dana axles

Differential type Open or Tru-Lok electronic locking (Rubicon models)

Rear 3rd generation Dana axles

Differential type Open (Sahara 4xe) with available Trac-Lok anti-spin,   
Tru-Lok electronic locking (Rubicon 4xe)

Axle ratios 3.45, 3.73 (Sahara 4xe), 4.10 (Rubicon 4xe)

### ELECTRICAL SYSTEM

Architecture Powernet

DC/DC Converter Capacity 2.5 kW

Low Voltage Battery 600 CCA, maintenance free (standard)   
700 CCA, maintenance free (optional)

### Suspension

Front Solid axle, link coil, leading arms, track bar, coil springs, stabilizer bar

Stabilizer bar Electronic sway-bar disconnect system — (Rubicon 4xe)

Shock type Sahara 4xe: High-pressure gas-charged monotube shock absorbers with MTV technology

Rubicon 4xe: High-pressure gas-charged monotube shock absorbers with MTV technology and hydraulic rebound stop

### Suspension (continued)

Rear Solid axle, link coil, trailing arms, track bar, coil springs, stabilizer bar

Shock type Sahara 4xe: High-pressure gas-charged monotube shock absorbers with MTV technology

Rubicon 4xe: High-pressure gas-charged monotube shock absorbers with MTV technology and hydraulic rebound stop

### STEERING

Type Electro-hydraulic power

Overall ratio 15.1:1

Turning diameter (curb-to-curb) (ft./m) 38.9

Steering Turns (lock-to-lock) 3.1

P/S Pump Electro-hydraulic

### BRAKES

Type Hydro-electric anti-lock braking system with fully blended   
regeneration capacity

Front

Rotor size and type 12.9 x 1.1 (330 x 28) vented rotor

Caliper size and type 2 (51) twin-piston floating caliper

Rear

Rotor size and type 13.6 x .86 (345 x 22) vented rotor — Sahara 4xe

14 x .86 (350 x 22) vented rotor — Rubicon 4xe

Caliper size and type 2 (51) single-piston floating calipers

### Dimensions and Capacities

Wheelbase 118.4 (3,008)

Overhang — Front 29.5 (749.8)

Overhang — Rear 40.3 (1,023)

Track — Front 64.4 (1,636)

Track — Rear 64.4 (1,636)

Overall Length (includes spare tire) 188.4 (4,785)

Overall Width 73.9 (1,877)

Overall Height 73.5 (1,868)

### CLEARANCES

|  |  |  |
| --- | --- | --- |
| Clearances | 275/55R20  Standard on  Sahara 4xe | LT285/70R17 Standard on  Rubicon 4xe |
| Approach Angle (degrees) | 42.2 | 43.8 |
| Breakover Angle (degrees) | 22 | 22.5 |
| Departure Angle (degrees) | 35.2 | 35.6 |
| Ground Clearance (inches) | 10.1 | 10.8 |
| Ramp Travel Index  (Front Sta-bar disconnected) | N/A | 770 |

\*Measurements the same for both 2- and 4-door models unless specified

### CURB WEIGHT

|  |  |
| --- | --- |
| CURB WEIGHT | 2.0-liter PHEV (4-door) |
| **Wrangler Sahara** |  |
| Automatic Transmission (lbs./kg) | 5,100 (2,313) |
| **Wrangler Rubicon** |  |
| Automatic Transmission (lbs./kg) | 5,222 (2,369) |

\*Weights differ by transmission called out

### Accommodations

Seating Capacity (front/rear) 2/3

SAE Total Interior Passenger Volume,   
(cu. ft. / cu. m) 103.3 (2.93)

Front

Headroom 40.8 (1,036) hardtop, 42.6 (1,083) soft top

Legroom 40.8 (1,038)

Shoulder room 55.8 (1,417)

Hip room 53.9 (1,370)

Seat travel 8.1 (206)

EPA front volume index 54.6 (1.55)

### Accommodations (continued)

Rear

Headroom 40.3 (1,023) hardtop, 41.7 (1,059) soft top

Legroom 38.2 (970)

Knee clearance 61.6 (1,565.9)

Shoulder room 55.8 (1,417)

Hip room 55.9 (1,421)

EPA rear seat volume index   
(cu. ft. / cu. m) 48.7 (1.38)

Liftover height 29.7 (756.4)

Load floor height 30 (762.1)

Maximum cargo width at liftgate opening 47.9 (1,218.7)

Minimum cargo width at liftgate opening 41.1 (1,052)

Maximum cargo height at liftgate opening 36.0 (942.3)

Minimum cargo height at liftgate opening 35.7 (907.8)

Distance between wheelhouse interior trim 45.0 (1,143)

SAE Cargo Volume

Rear seat folded 67.4 cu. ft. (1.91)

Rear seat upright 27.7 cu. ft. (0.78)

Total passenger plus cargo volume,   
(cu. ft. / cu. m) 131.0 / 3.71

### WHEELS

Availability Standard (Sahara 4xe)

Type and material High Gloss painted cast aluminum

Size 20 x 8 in.

Availability Standard (Rubicon 4xe)

Type and material Painted pocket with Mid-Gloss paint and polished cast aluminum

Size 17 x 7.5 in.

### TIRES

Availability Standard (Sahara 4xe)

Size and type 275/55R20, on/off-road, black sidewall

Mfr. and model Bridgestone Dueler H/L Alenza

Revs per mile (km) 649 (403)

### TIRES (continued)

Availability Standard (Rubicon 4xe)

Size and type LT285/70R17C, on/off-road, black sidewall

Mfr. and model BF Goodrich KO2 All Terrain

Revs per mile (km) 645 (401)

### TOWING CAPACITIES

#### WRANGLER SAHARA 4XE

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Engine | Trans Type | Transmission | Axle Ratio | Payload | Base Wt. | Base Wt. Front | Base Wt. Rear | GAWR Front | GAWR Rear | GCWR | Max  Trailer |
| 2.0-liter I-4 gas PHEV | A8 | 8P75PH 8-speed automatic | 3.73 | 1191 | 5009 | 2540 | 2469 | 3100 | 3550 | 9000 | 3500 |

GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for driver.

#### WRANGLER RUBICON 4XE

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Engine | Trans Type | Transmission | Axle Ratio | Payload | Base Wt. | Base Wt. Front | Base Wt. Rear | GAWR Front | GAWR Rear | GCWR | Max  Trailer |
| 2.0-liter I-4 gas PHEV | A8 | 8P75PH 8-speed automatic | 4.10 | 1271 | 5129 | 2600 | 2529 | 3100 | 3550 | 9200 | 3500 |

GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for driver.

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