

2023 Jeep® Wrangler 4xe | 392

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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	Standard — Willys 4xe, 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)

2023 Jeep Wrangler 4xe | 392

ENGINE: 2.0-LITER TURBO I-4 (CONTINUED)

Emission Controls	GPEC4 engine-management system with close-coupled catalyst and wide range O ₂ 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

2023 Jeep Wrangler 4xe | 392

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 — Willys 4xe, 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	3 rd generation Dana axles
Differential type	Open or Tru-Lok electronic locking (Rubicon models)
Rear	3 rd generation Dana axles
Differential type	Open (Willys 4xe, Sahara 4xe) with available Trac-Lok anti-spin, Tru-Lok electronic locking (Rubicon 4xe)
Axle ratios	3.73 (Willys 4xe, 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	Willys 4xe, 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

2023 Jeep Wrangler 4xe | 392

SUSPENSION (CONTINUED)

Rear	Solid axle, link coil, trailing arms, track bar, coil springs, stabilizer bar
Shock type	Willys 4xe, 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 — Willys 4xe, 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)

2023 Jeep Wrangler 4xe | 392

CLEARANCES

CLEARANCES	LT255/75R17 Standard on Willys 4xe	275/55R20 Standard on Sahara 4xe	LT285/70R17 Standard on Rubicon 4xe	LT285/70R17 Standard on Rubicon 4xe 20 th Anniversary
Approach Angle (degrees)	42.2	42.2	43.8	44.1
Breakover Angle (degrees)	22	22	22.5	23.3
Departure Angle (degrees)	35.2	35.2	35.6	37.4
Ground Clearance (inches)	10.1	10.1	10.8	11.2
Ramp Travel Index (Front Sta-bar disconnected)	NA	N/A	770	770
Water fording (inches)	30	30	31.5	32

CURB WEIGHT

CURB WEIGHT	2.0-liter PHEV (4-door)
Wrangler Willys	
Automatic Transmission (lbs./kg)	5,072 (2,301)
Wrangler Sahara	
Automatic Transmission (lbs./kg)	5,063 (2,297)
Wrangler Rubicon	
Automatic Transmission (lbs./kg)	5,171 (2,346)
Wrangler Rubicon – 20th Anniversary	
Automatic Transmission (lbs./kg)	5,208 (2,362)

2023 Jeep Wrangler 4xe | 392

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)
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 (Willys 4xe)
Type and material	Black painted cast aluminum
Size	17 x 7.5 in.
Availability	Standard (Sahara 4xe)
Type and material	High Gloss painted cast aluminum
Size	20 x 8 in.

2023 Jeep Wrangler 4xe | 392

WHEELS (CONTINUED)

Availability	Standard (Rubicon 4xe)
Type and material	Painted pocket with Mid-Gloss paint and polished cast aluminum
Size	17 x 7.5 in.
Availability	Standard (Rubicon 4xe 20 th Anniversary)
Type and material	Beadlock capable, Low Gloss Black paint and Low Gloss Black trim ring with Low Gloss Black bolts cast aluminum
Size	17 x 7.5 in.

TIRES

Availability	Standard (Willys 4xe)
Size and type	LT255/75R17C, on/off-road, outline white letter
Mfr. and model	Firestone Destination M/T2
Revs per mile (km)	650 (404)
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)
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 WILLYS 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	1130	5072	2561	2511	3100	3550	9000	3500

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

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	1140	5063	2539	2524	3100	3550	9000	3500

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

2023 Jeep Wrangler 4xe | 392

TOWING CAPACITIES (CONTINUED)

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	1230	5171	2599	2572	3100	3550	9200	3500

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

WRANGLER RUBICON 4xe – 20TH ANNIVERSARY

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	1373	5208	2614	2594	3100	3550	9200	3500

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

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