



UNDER EMBARGO UNTIL WEDNESDAY, APRIL 5, 2023, AT 11:35 A.M. EDT

2024 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	Standard (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)
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
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 — Sport S 4xe, Willys 4xe, Sahara 4xe, High Altitude 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 4xe models)
Rear	3 rd generation Dana axles
Differential type	Dana 44 HD Full Float (Rubicon 4xe) Open (Sport S 4xe, Sahara 4xe) Trac-Lok anti-spin (High Altitude 4xe) Tru-Lok electronic locking (Willys 4xe, Rubicon 4xe)
Axle ratios	3.73 (Sport S 4xe, Sahara 4xe, High Altitude 4xe), 4.10 (Willys 4xe, 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	Sport S 4xe, Willys 4xe, Sahara 4xe, High Altitude 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
Rear	Solid axle, link coil, trailing arms, track bar, coil springs, stabilizer bar
Shock type	Sport S 4xe, Willys 4xe, Sahara 4xe, High Altitude 4xe: High-pressure gas-charged monotube shock absorbers Rubicon 4xe: High-pressure gas-charged monotube shock absorbers with hydraulic rebound stop



STEERING

Type	Electro-hydraulic power
Overall ratio	14.9:1
Turning diameter (curb-to-curb) (ft)	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	14 x .86 (350 x 22) vented rotor
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	245/75R17 Standard on Sport S 4xe	LT285/70R17 Standard on Willys 4xe	275/55R20 Standard on Sahara 4xe	275/55R20 Standard on High Altitude 4xe	LT285/70R17 Standard on Rubicon 4xe
Approach Angle (degrees)	42.2	43.8	42.2	42.2	43.8
Breakover Angle (degrees)	22	22.5	22	22	22.5
Departure Angle (degrees)	35.2	35.6	35.2	35.2	35.6
Ground Clearance (inches)	10.1	10.8	10.1	10.1	10.8
Ramp Travel Index (Front Sta-bar disconnected)	N/A	N/A	N/A	N/A	770
Water fording (inches)	30	31.5	30	30	31.5



CURB WEIGHT

Curb Weight	2.0-liter PHEV (4-door)
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Wrangler Sport S	
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Automatic Transmission (lbs./kg)	5,049 (2,290)
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Wrangler Willys	
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Automatic Transmission (lbs./kg)	5,075 (2,302)
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Wrangler Sahara	
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Automatic Transmission (lbs./kg)	5,075 (2,302)
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Wrangler High Altitude	
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Automatic Transmission (lbs./kg)	5,265 (2,388)
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Wrangler Rubicon	
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Automatic Transmission (lbs./kg)	5,226 (2,371)
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ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
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SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	103.3 (2.93)
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Front

Headroom	40.8 (1,036) hardtop, 42.6 (1,083) soft top
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Legroom	40.8 (1,038)
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Shoulder room	55.8 (1,417)
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Hip room	53.9 (1,370)
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Seat travel	8.1 (206)
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EPA front volume index	54.6 (1.55)
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Rear

Headroom	40.3 (1,023) hardtop, 41.7 (1,059) soft top
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Legroom	38.2 (970)
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Knee clearance	61.6 (1,565.9)
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Shoulder room	55.8 (1,417)
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Hip room	55.9 (1,421)
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EPA rear seat volume index (cu. ft. / cu. m)	48.7 (1.38)
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Liftover height	29.7 (756.4)
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Load floor height	30 (762.1)
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Maximum cargo width at liftgate opening	47.9 (1,218.7)
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ACCOMMODATIONS (CONTINUED)

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 (Sport S 4xe)
Type and material	Machined Baltic Gray aluminum
Size	20 x 8.0 in.
Availability	Standard (Willys 4xe)
Type and material	Black painted cast aluminum
Size	17 x 7.5 in.
Availability	Standard (High Altitude 4xe)
Type and material	Machined Baltic Gray aluminum
Size	20 x 8 in.
Availability	Standard (Sahara 4xe)
Type and material	High Gloss Black painted aluminum
Size	20 x 8 in.
Availability	Standard (Rubicon 4xe)
Type and material	Machined aluminum with black painted pockets
Size	17 x 7.5 in.

TIRES

Availability	Standard (Sport S 4xe)
Size and type	255/60R20, on/off-road, black sidewall
Mfr. and model	Nexen Roadian HTX2
Revs per mile (km)	652 (405)
Availability	Standard (Sahara 4xe)
Size and type	255/55R20, on/off-road, black sidewall
Mfr. and model	Nexen Roadian HTX2
Revs per mile (km)	652 (405)



TIRES (CONTINUED)

Availability	Standard (High Altitude 4xe)
Size and type	275/55R20, on/off-road, black sidewall
Mfr. and model	General Grabber AT Sport
Revs per mile (km)	674 (419)
Availability	Standard (Rubicon and Willys 4xe)
Size and type	LT285/70R17C, on/off-road, black sidewall
Mfr. and model	BFGoodrich All-Terrain T/A KO2
Revs per mile (km)	637 (396)

TOWING CAPACITIES

WRANGLER Sport S 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	1398	5049	2529	2520	3100	3550	9100	3500

GCWR = Base Weight + EPA OPTIONS WEIGHT + 2 Passenger Weight + Trailer weight rating + Trailer equipment

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	4.10	1270	5177	2593	2584	3100	3550	9100	3500

GCWR = Base Weight + EPA OPTIONS WEIGHT + 2 Passenger Weight + Trailer weight rating + Trailer equipment

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	1378	5075	2519	2506	3100	3550	9050	3500

GCWR = Base Weight + EPA OPTIONS WEIGHT + 2 Passenger Weight + Trailer weight rating + Trailer equipment.

WRANGLER High Altitude 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	1188	5265	2589	2676	3100	3550	9200	3500

GCWR = Base Weight + EPA OPTIONS WEIGHT + 2 Passenger Weight + Trailer weight rating + Trailer equipment.



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	1328	5226	2579	2554	3100	3550	9250	3500

GCWR = Base Weight + EPA OPTIONS WEIGHT + 2 Passenger Weight + Trailer weight rating + Trailer equipment.

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