

CANADA

2024 Jeep® Wrangler 4xe

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	Sport-utility vehicle
Assembly Plant	Toledo North Assembly Plant, Toledo, Ohio, USA
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-LITRE 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 (cc / cu. in.)	1,995 cu. cm (121 cu. in.)
Bore x Stroke	84 x 90 (3.31 x 3.54)
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, litres (quarts)	4.7 (5.0)
Coolant Capacity, litres (quarts)	9.4 (9.9)
Emission Controls	GPEC4 engine-management system with close-coupled catalyst and wide range O ₂ sensor
Max. Gross Trailer Weight, kg (lbs.)	1,587 (3,500)

Energuide (2023) Fuel Consumption Ratings

L/100 km (city/hwy/combined) TBD

Based on 2023 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

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

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
	Dana 44 HD Full Float (Rubicon 4xe)
Differential type	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
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STEERING

Type	Electro-hydraulic power
Overall ratio	14.9:1
Turning diameter (curb-to-curb), m (ft)	11.8 (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	330 x 28 (12.9 x 1.1) vented rotor
Caliper size and type	51 (2) twin-piston floating caliper
Rear	
Rotor size and type	350 x 22 (14 x .86) vented rotor
Caliper size and type	51 (2) single-piston floating calipers

DIMENSIONS AND CAPACITIES

Wheelbase	3,008 (118.4)
Overhang — Front	749.8 (29.5)
Overhang — Rear	1,023 (40.3)
Track — Front	1,636 (64.4)
Track — Rear	1,636 (64.4)
Overall Length (includes spare tire)	4,785 (188.4)
Overall Width	1,877 (73.9)
Overall Height	1,868 (73.5)

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, cm (inches)	25.6 (10.1)	27.4 (10.8)	25.6 (10.1)	25.6 (10.1)	27.4 (10.8)
Ramp Travel Index (Front Sta-bar disconnected)	N/A	N/A	N/A	N/A	770
Water fording, cm (inches)	76.2 (30)	80.0 (31.5)	76.2 (30)	76.2 (30)	80 (31.5)

CURB WEIGHT

Curb Weight 2.0-litre PHEV (4-door)

Wrangler Sport S

Automatic Transmission, kg (lbs.)	2,290 (5,049)
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Wrangler Willys

Automatic Transmission, kg (lbs.)	2,302 (5,075)
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Wrangler Sahara

Automatic Transmission, kg (lbs.)	2,302 (5,075)
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Wrangler High Altitude

Automatic Transmission, kg (lbs.)	2,388 (5,265)
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Wrangler Rubicon

Automatic Transmission, kg (lbs.)	2,371 (5,226)
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ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
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SAE Total Interior Passenger Volume, litres (cu. ft.)	2,925 (103.3)
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Front

Headroom	1,036 (40.8) hardtop, 1,083 (42.6) soft top
Legroom	1,038 (40.8)
Shoulder room	1,417 (55.8)
Hip room	1,370 (53.9)
Seat travel	206 (8.1)
EPA front volume index, litres (cu. ft.)	1,546 (54.6)

Rear

Headroom	1,023 (40.3) hardtop, 1,059 (41.7) soft top
Legroom	970 (38.2)
Knee clearance	1,565.9 (61.6)
Shoulder room	1,417 (55.8)
Hip room	1,421 (55.9)

EPA rear seat volume index, litres (cu. ft.)	1,379 (48.7)
Liftover height	756.4 (29.7)
Load floor height	762.1 (30)
Maximum cargo width at liftgate opening	1,218 .7 (47.9)

ACCOMMODATIONS (CONTINUED)

Minimum cargo width at liftgate opening	1,052 (41.1)
Maximum cargo height at liftgate opening	942.3 (36.0)
Minimum cargo height at liftgate opening	907.8 (35.7)
Distance between wheelhouse interior trim	1,143 (45.0)
SAE Cargo Volume	
Rear seat folded, litres (cu. ft.)	1,908.5 (67.4)
Rear seat upright, litres (cu. ft.)	784.3 (27.7)
Total passenger plus cargo volume, litres (cu. ft.)	3,709.5 (131.0)

WHEELS

Availability	Standard (Sport S 4xe)
Type and material	Machined Baltic Grey 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 Grey 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 km (mile)	405 (652)
Availability	Standard (Sahara 4xe)

Size and type	255/55R20, on/off-road, black sidewall
Mfr. and model	Nexen Roadian HTX2
Revs per km (mile)	405 (652)

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 km (mile)	419 (674)
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 km (mile)	396 (637)

TOWING CAPACITIES, KG (LBS.)

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-litre I-4 gas PHEV	A8	8P75PH 8-speed automatic	3.73	634 (1,398)	2,290 (5,049)	1,147 (2,529)	1,143 (2,520)	1,406 (3,100)	1,610 (3,550)	4,127 (9,100)	1,587 (3,500)

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-litre I-4 gas PHEV	A8	8P75PH 8-speed automatic	4.10	576 (1,270)	2,348 (5,177)	1,176 (2,593)	1,172 (2,584)	1,406 (3,100)	1,610 (3,550)	4,127 (9,100)	1,587 (3,500)

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-litre I-4 gas PHEV	A8	8P75PH 8-speed automatic	3.73	625 (1,378)	2,301 (5,075)	1,142 (2,519)	1,136 (2,506)	1,406 (3,100)	1,610 (3,550)	4,105 (9,050)	1,587 (3,500)

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-litre I-4 gas PHEV	A8	8P75PH 8-speed automatic	3.73	538 (1,188)	2,388 (5,265)	1,174 (2,589)	1,213 (2,676)	1,406 (3,100)	1,610 (3,550)	4,173 (9,200)	1,587 (3,500)

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-litre I-4 gas PHEV	A8	8P75PH 8-speed automatic	4.10	602 (1,328)	2,370 (5,226)	1,169 (2,579)	1,158 (2,554)	1,406 (3,100)	1,610 (3,550)	4,195 (9,250)	1,587 (3,500)

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

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