

FCA CANADA

2021 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 Assembly Complex, Toledo, Ohio, USA
EPA Vehicle Class	Multipurpose vehicle

BODY/CHASSIS

Layout	Longitudinal, front engine, transfer case, four-wheel drive
Construction	Ladder-type frame, open steel and aluminum body

ENGINE: 2.0-LITRE TURBO I-4

Type and Description	I-4 16-valve with direct injection, turbocharging, with throttled, cooled EGR
Displacement, cc (cu. in.)	1,995 (121)
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, litres (gallons)	65 (17.2)
Oil Capacity, litres (quarts)	4.7 (5)
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	1,587 kg (3,500 lbs.)
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 Nm)

TRANSMISSION: 8P75PH PHEV AUTOMATIC, EIGHT-SPEED OVERDRIVE

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 torque	181 lb.-ft. (245 Nm)
Peak power	134 hp (100 kW)

HIGH VOLTAGE BATTERY

Chemistry	Lithium Ion Li-NMC
Operating Voltage	260 – 400 VDC
Gross Capacity	17.3 kWh

TOTAL POWERTRAIN OUTPUT

Peak combined torque	470 lb.-ft. (637 Nm) at 3,000 rpm
Peak combined power	375 hp (280 kW) at 5,250 rpm

TRANSFER CASE: MP3022 SELEC-TRAC (4xe and Sahara 4xe)

Type	Full-time
Operating Modes	2WD High; 4WD Auto; 4WD High; Neutral; 4WD Low
Low Range Ratio	2.72:1

TRANSFER CASE: MP3022OR ROCK-TRAC (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 44
Differential type	Open (4xe and Sahara 4xe) or Tru-Lock electronic locking (Rubicon 4xe)
Rear	3rd Generation Dana 44
Differential type	Open (4xe and Sahara 4xe) with available Trac-Lock anti-spin Tru-Lok electronic locking (Rubicon 4xe)
Axle ratios	3.73 (4xe and Sahara 4xe) or 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	4xe: Gas-charged twin-tube shock absorbers with full displacement Multi-tuned Valve (MTV) technology Sahara 4xe: High-pressure gas-charged monotube shock absorbers with MTV technology

	Rubicon 4xe: High-press 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	4xe: Gas-charged twin-tube shock absorbers with full displacement MTV technology 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	13.7:1
Turning diameter (curb-to-curb), m (ft)	12 (39.4)
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 calipers
Rear	
Rotor size and type	345 x 22 (13.6 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)	4,786 (188.4)
Overall Width	1,875 (73.8)
Overall Height	1,868 (73.5)

CLEARANCES

Approach angle, degrees	42.2 (4xe and Sahara 4xe), 43.8 (Rubicon 4xe)
Breakover angle, degrees	22.0 (4xe and Sahara 4xe), 22.5 (Rubicon 4xe)
Departure angle, degrees	35.2 (4xe and Sahara 4xe), 35.6 (Rubicon 4xe)
Ground clearance, inches	10.1 (4xe and Sahara 4xe), 10.8 (Rubicon 4xe)

CURB WEIGHT, kg (lb) 2,267 (5,000) (4xe); 2,313 (5,100) (Sahara 4xe); 2,368 (5,222) (Rubicon 4xe)

ACCOMMODATIONS

Seating Capacity, F/R	2/3
SAE Total Interior Passenger Volume, litres (cu. ft.)	2,925 (103.3)

FRONT

Headroom	1,036 (40.8) hardtop / 1,087 (42.8) 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, 1,082 (42.6) 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)
Maximum cargo width at liftgate opening	1,217 (47.9)
Minimum cargo width at liftgate opening	1,054 (41.5)
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, litres (cu. ft.)	
Rear seat folded	1,908 (67.4.)
Rear seat upright	784 (27.7)
Total passenger plus cargo volume, litres (cu. ft.)	3,709 (131)
WHEELS	
Availability	Standard (4xe, 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 (4xe, Sahara 4xe)
Size and Type	275/55R20, on/off-road, black sidewall
Mfr. And Model	Bridgestone Dueler H/L Alenza
Revs per km (mile)	403 (649)
Availability	Standard (Rubicon 4xe)
Size and Type	LT285/70R17, on/off-road, black sidewall
Mfr. And Model	BF Goodrich KO2 All-Terrain
Revs per km (mile)	396 (637)

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