

# 2021 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 Assembly Complex, Toledo, Ohio |
| 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-LITER TURBO I-4**

| Type and Description           | I-4 16-valve with direct injection, turbocharging, with throttled, cooled EGR   |
|--------------------------------|---|
| Displacement (cu. in. / cc)    | 121 cu. in. (1,995 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) (lbft. / N•m) | 295 lbft. (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.   |
| 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 lbft. (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 lbft. (245 Nm) |
|-------------|--------------------|
| Peak power  | 134 hp (100 kW)    |

## **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 torque | 470 lbft. (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)

| Туре            | 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)

| Туре            | 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**

| Туре                                 | Electro-hydraulic power |
|--------------------------------------|-------------------------|
| Overall ratio                        | 13.7:1                  |
| Turning diameter (curb-to-curb) (ft) | 39.4                    |
| Steering Turns (lock-to-lock)        | 3.1                     |
| P/S pump                             | Electro-hydraulic       |

#### **BRAKES**

| Туре                  | 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 calipers   |
| Rear                  |  |
| Rotor size and type   | 13.6 x .86 (345 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 (4,786) |
| Overall Width                        | 73.8 (1,875)  |
| Overall Height                       | 73.5 (1,868)  |

## **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) |
|                          |   |

## **ACCOMMODATIONS**

| Seating Capacity, F/R                                     | 2/3          |
|---|--------------|
| SAE Total Interior Passenger<br>Volume, (cu. ft. / cu. m) | 103.3 (2.93) |
| Front   |              |

| Headroom               | 40.8 (1,036) hardtop / 42.8 (1,087) 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, 42.6 (1,082) 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)   |
| Maximum cargo width at liftgate opening              | 47.9 (1,217)   |
| Minimum cargo width at liftgate opening              | 41.5 (1,054)   |
| 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 (1143)  |
| 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 / 3.71   |
| 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 Mile (km) | 649 (403)                                |
| Availability       | Standard (Rubicon 4xe)                   |
| Size and Type      | LT285/70R17, on/off-road, black sidewall |
| Mfr. And Model     | BF Goodrich KO2 All-Terrain              |
| Revs per Mile (km) | 637 (396)                                |

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