

## 2020 Jeep® Wrangler

# 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 Supplier Park, Toledo, Ohio
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	Fall 2017 as a 2018 model

### BODY/CHASSIS

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

### ENGINE: 3.6-LITER PENTASTAR V-6

Availability	Standard — Sport, Sahara (MTX only), Rubicon (all ESS) Available — Sahara (with eTorque mild-hybrid assist)
Type and Description	60-degree, V-type, liquid-cooled
Displacement (cu. in. / cc)	220 cu. in. (3,604 cu. cm)
Bore x Stroke	3.78 x 3.27 (96 x 83)
Valve System	Chain-driven DOHC, 24 valves and hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	11.3:1
Power (SAE net) (hp / kW @rpm)	285 hp (213 kW) at 6,400 rpm
Torque (SAE net) (lb.-ft. / N•m)	260 lb.-ft. (353 N•m) at 4,800 rpm
Max. Engine Speed (rpm)	6,600 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Fuel Tank Capacity (gallons)	17.5 (2-door), 21.5 (4-door)
Oil Capacity	5.0 quarts (4.7 liters)
Coolant Capacity	10 quarts (10.1 liters)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features

Max. Gross Trailer Weight	2,000 lbs. (2-door), 3,500 lbs. (4-door)
EPA Fuel Economy mpg (city/hwy/combined)	17/25/20 — manual with ESS (2-door) 17/23/19 — manual with ESS (4-door) 18/23/20 — automatic with ESS (2-door) 18/22/20 — automatic with ESS (4-door) 19/22/20 — automatic with eTorque mild-hybrid assist (4-door only)
Assembly Plant	Saltillo South Engine Plant, Saltillo, Coahuila, Mexico

#### **ENGINE: 2.0-LITER TURBO I-4**

Availability	Available — Sahara (w/ eTorque mild-hybrid assist) Available — Sport, Rubicon (w/ Engine Start Stop)
Type and Description	I-4 16-valve with direct injection, turbo charging, with throttled, cooled 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)	17.5 (2-door), 21.5 (4-door)
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 <sub>2</sub> sensor
Max. Gross Trailer Weight	2,000 lbs. (2-door), 3,500 lbs. (4-door)
EPA Fuel Economy mpg (city/hwy/combined)	22/24/23 — automatic with ESS (2-door) 21/22/21 — automatic with ESS (4-door) 21/22/21 — automatic with eTorque mild-hybrid assist (4-door only)
Assembly Plant	Termoli, Italy and Trenton South Engine Plant, Trenton, Michigan

**ENGINE: 3.0-LITER ECODIESEL V-6**

Availability	Available – Sport, Rubicon, Sahara (4-door only)
Type and Description	90-degree diesel V-6
Displacement	182 cu. in. (2,987 cu. cm)
Bore x Stroke	3.27 x 3.60 (83 x 92)
Valve System	Chain driven DOHC, 24 valves, hydraulic lash adjusters with roller fingers follower
Fuel Injection	Common rail, 29,000 psi (2000 bar), solenoid injectors
Construction	Compacted graphite iron cylinder block, aluminum alloy heads
Compression Ratio	16.0:1
Power	260 hp (194 kW) @ 3600 rpm
Torque	442 lb.-ft. (600 N•m) @ 1400-2800 rpm
Max. Engine Speed	4,600 rpm
Fuel Requirement	Ultra-low sulfur diesel
Fuel Tank Capacity (gallons)	18.3 (4-door)
Oil Capacity	9.0 quarts (8.5 liters)
Coolant Capacity	12.3 quarts (11.6 liters)
Emission Controls	High-pressure EGR, low-pressure EGR, oxidation catalyst, diesel particulate filter, SCR with urea injection
Max. Gross Trailer Weight	3,500 lbs. (4-door)
EPA Fuel Economy mpg (city/hwy)	TBD
Assembly Plant	Cento, Italy

**TRANSMISSION: 850RE AUTOMATIC, EIGHT-SPEED OVERDRIVE**

Availability	Standard — 2.0-liter I-4 Optional — 3.6-liter V-6
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch

Gear Ratios

1st	4.71
2nd	3.13
3rd	2.10
4th	1.67
5th	1.28
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

**TRANSMISSION: 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE**

Availability	Standard — 3.0-liter EcoDiesel V-6
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	4.71
2nd	3.13
3rd	2.10
4th	1.67
5th	1.28
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

**TRANSMISSION: D478 MANUAL, SIX-SPEED WITH OVERDRIVE**

Availability	Standard — 3.6-liter V-6
Description	Synchronized in all forward gears and Reverse, multi-rail shift system with top-mounted shift lever
Gear Ratios	
1st	5.13
2nd	2.63
3rd	1.53
4th	1.00
5th	0.81
6th	0.72
Reverse	4.49
Final Drive ratio	3.45 standard, 3.73 optional (4.10 Rubicon)

**TRANSFER CASE: NV241 COMMAND-TRAC**

Available	Standard — Sport and Sahara
Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	2.72:1

**TRANSFER CASE: NV241OR ROCK-TRAC**

Available	Standard — Rubicon
Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	4.0:1
Axle Ratio	3.45 standard 4.10 standard Rubicon

**TRANSFER CASE: MP3022 SELEC-TRAC**

Available	Optional — Sahara
Type	Full-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	4.0:1
Axle Ratio	3.45 standard 4.10 standard Rubicon with manual (optional for automatic)

## AXLES

Front	3rd Generation Dana axles
Differential type	Open or Tru-Lok electronic locking (on Rubicon models)
Axle ratios	3.45, 3.73 (EcoDiesel), 4.10
Rear	3rd Generation Dana axles
Differential type	Open (Sport and Sahara) with available Trac-Lok anti-spin, Tru-Lok electronic locking (Rubicon)
Axle ratios	3.45, 3.73 (EcoDiesel), 4.10

## ELECTRICAL SYSTEM

Alternator (standard)	180 amp
Battery (standard)	650 CCA, maintenance free

## SUSPENSION

Front	Solid axle, link coil, leading arms, track bar, coil springs, stabilizer bar
Stabilizer bar	Electronic sway-bar disconnect system — standard, Rubicon
Shock type	Sport: Gas-charged twin-tube shock absorbers with full displacement Multi-tuned Valve (MTV) technology Sahara: High-pressure gas-charged monotube shock absorbers with MTV technology Rubicon: 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: Gas-charged twin-tube shock absorbers with full displacement MTV technology Sahara: High-pressure gas-charged monotube shock absorbers with MTV technology Rubicon: High-pressure gas-charged monotube shock absorbers with MTV technology and hydraulic rebound stop

## STEERING

Type	Electro-hydraulic power
Overall ratio	17.4:1 — 2-door, 15.6:1 — 4-door, 14.3:1 — EcoDiesel
Turning diameter (curb-to-curb) (ft./m)	34.5 — 2-door, 39.4 — 4-door
Steering Turns (lock-to-lock)	3.6 — 2-door, 3.2 — 4-door, 3.13 — EcoDiesel
P/S pump	Electro-hydraulic

## BRAKES

Type	Power-assisted, anti-lock brake system
Availability	Standard
Front	
Rotor size and type	12.9 x .94 (330 x 24) vented rotor — Sport 12.9 x 1.1 (330 x 28) vented rotor — Sahara and Rubicon
Caliper size and type	1.88 (48) twin-piston floating caliper — Sport 2 (51) twin-piston floating caliper — Sahara and Rubicon
Rear	
Rotor size and type	12.9 x .47 (328 x 12) solid rotor — Sport 13.4 x .55 (342 x 14) solid rotor — Sahara and Rubicon
Caliper size and type	1.77 (45) single-piston floating caliper — Sport 1.88 (48) single-piston floating caliper — Sahara and Rubicon

## DIMENSIONS AND CAPACITIES

Wheelbase	96.8 (2,460) — 2-door, 118.4 (3,008) — 4-door
Overhang — Front	29.2 (741.6)
Overhang — Rear	40.8 (1,036.3)
Track — Front	62.9 (1,598)
Track — Rear	62.9 (1,598)
Overall Length (includes spare tire)	166.8 (4,237) — 2-door, 188.4 (4,785) — 4-door
Overall Width	73.8 (1,875)
Overall Height	73.6 (1,868.4)
Liftover Height	29.7 (756.4)
Cargo Width at Swing-Gate Opening	41.1 (1,052)
Cargo Height at Swing-Gate Opening	36 (942.3)
Load Floor Height	30 (762.1)

## CLEARANCES

	<b>245/75R17 Standard on Sport</b>	<b>255/70R18 Standard on Sahara</b>	<b>LT285/70R17 Standard on Rubicon</b>
Approach Angle (degrees)	41.4	41.8	44 (2-door) 43.9 (4-door)
Breakover Angle (degrees)	25 (2-door) 20.3 (4-door)	21	27.8 (2-door) 22.6 (4-door)
Departure Angle (degrees)	35.9 (2-door) 36.1 (4-door)	36.1	37
Ground Clearance (inches)	9.7	10	10.8

\*measurements the same for both 2- and 4-door models unless specified

<b>CURB WEIGHT</b>	<b>2.0-liter (2- and 4-door)</b>	<b>3.0-liter (4-door)</b>	<b>3.6-liter (2- and 4-door)</b>
<b>Wrangler Sport</b>			
Automatic Transmission (lbs./kg)	3,948 (1,791) / 4,196 (1,903)	4,654 (2,111)	3,919 (1,778) / 4,167 (1,890)
Manual Transmission (lbs./kg)	N/A	N/A	3,948 (1,791) / 4,196 (1,903)
<b>Wrangler Sahara</b>			
Automatic Transmission (lbs./kg)	4,406 (1,999)	4,737 (2,149)	4,406 (1,999)
Manual Transmission (lbs./kg)	N/A	N/A	4,263 (1,934)
<b>Wrangler Rubicon</b>			
Automatic Transmission (lbs./kg)	4,222 (1,915) / 4,478 (2,031)	4,862 (2,205)	4,193 (1,902) / 4,449 (2,018)
Manual Transmission (lbs./kg)	N/A	N/A	4,222 (1,915) / 4,478 (2,031)

\*weights differ by transmission called out

## ACCOMMODATIONS

Seating Capacity (front/rear)	2/2 — 2-door, 2/3 — 4-door
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	103.7 (2.94)
<b>Front</b>	
Headroom	40.7 (1,036) hardtop / 42.6 (1,083) soft top
Legroom	41.2 (1,038)
Shoulder room	55.7 (1,417)
Hip room	53.9 (1,370)
Seat travel	8.1 (206)
EPA front volume index	53.8 (1.52)



Rear	
Headroom	40.2 (1,023) hardtop, 41.7 (1,059) soft top
Legroom	35.7 (904.2) — 2-door, 38.3 (974) — 4-door
Knee clearance	61.6 (1,565.9)
Shoulder room	57.7 (1,458) — 2-door, 55.7 (1,417) — 4-door
Hip room	45 (1,143) — 2-door, 56.7 (1,440) — 4-door
EPA rear seat volume index (cu. ft. / cu. m)	49.9 (1.40)
Liftover height	29.7 (756.4)
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 (1143)
SAE Cargo Volume	
Rear seat folded	72.4 cu. ft. (2.05)
Rear seat upright	31.7 cu. ft. (0.89)
Total passenger plus cargo volume, (cu. ft. / cu. m)	150.4 cu. ft.

## WHEELS

Availability	Standard (Sport)
Type and Material	Painted steel, Low Gloss Black painted
Size	17 x 7.5 in.
Availability	Standard (Sport S)
Type and Material	Fully painted cast-aluminum with High Gloss Tech Silver
Size	17 x 7.5 in.
Availability	Optional (Sport S)
Type and Material	Painted and polished cast-aluminum with Low Gloss Granite Crystal
Size	17 x 7.5 in.
Availability	Standard (Sahara)

Type and Material	Painted spokes with polished cast-aluminum
Size	18 x 7.5 in.

Availability	Optional (Sahara)
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Type and Material	Painted High Gloss Technical Gray with polished cast-aluminum
Size	18 x 7.5 in.

Availability	Standard (Rubicon)
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Type and Material	Painted pocket with Mid-Gloss paint and polished cast-aluminum
Size	17 x 7.5 in.

Availability	Optional (Rubicon)
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Type and Material	Painted pocket with Mid-Gloss paint and polished cast-aluminum
Size	17 x 7.5 in.

## TIRES

Availability	Standard (Sport)
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Size and Type	P245/75R17, on/off-road, black sidewall
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Mfr. and Model	Michelin LTX MS2, Bridgestone Dueler HT 685, Bridgestone Dueler AT RH-S, Goodyear Wrangler Adventure AT
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Revs per Mile (km)	665 (413) — Michelin LTX MS2
	661 (411) — Bridgestone Dueler HT 685 & AT RH-S
	668 (415) — Goodyear Wrangler Adventure AT

Availability	Standard (Sahara)
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Size and Type	P255/70R18, on/off-road, OWL
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Mfr. and Model	Bridgestone Dueler HT 685, Bridgestone Dueler AT RH-S, Goodyear Wrangler Adventure AT
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Revs per Mile (km)	649 (403)
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Availability	Standard (Rubicon)
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Size and Type	LT285/70R17C, on/off-road, black sidewall
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Mfr. and Model	BF Goodrich KO2 All-Terrain
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Revs per Mile (km)	645 (401)
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Availability	Optional (Rubicon)
Size and Type	LT285/70R17C
Mfr. and Model	Falken Wildpeak M/T
Revs per Mile (km)	617 (383)
Four-wheel anti-lock brakes	Standard
Electronic stability control	Standard
All-speed traction control	Standard

## TOWING CAPACITIES

### WRANGLER SPORT (4-door)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas	M6	D478 6-speed manual	3.45	1233	4167	2217	1950	2700	3000	8117	3500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	3.45	1204	4196	2246	1950	2700	3000	8117	3500
3.0-liter V-6 diesel	A8	8HP75 8-speed automatic	3.73	1136	4654	2494	2160	3100	3100	8427	3500
2.0-liter I-4 gas	A8	850RE 8-speed automatic	3.45	1204	4196	2298	2038	2700	3000	8117	3500

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

### WRANGLER SAHARA (4-door)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas	M6	D478 6-speed manual	3.45	1237	4263	2255	2007	2700	3000	8117	3500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	3.45	1208	4406	2321	2085	2700	3000	8117	3500
3.0-liter V-6 diesel	A8	8HP75 8-speed automatic	3.73	1188	4737	2578	2159	3100	3100	8427	3500
2.0-liter I-4 gas	A8	850RE 8-speed automatic	3.45	1208	4406	2321	2085	2700	3000	8117	3500

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

### WRANGLER RUBICON (4-door)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas	M6	D478 6-speed manual	4.10	1351	4449	2339	2110	3100	3100	8117	3500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	4.10	1322	4478	2368	2110	3100	3100	8117	3500
3.0-liter V-6 diesel	A8	8HP75 8-speed automatic	3.73	1233	4682	2636	2226	3100	3100	8427	3500
2.0-liter I-4 gas	A8	850RE 8-speed automatic	4.10	1322	4478	2368	2110	3100	3100	8117	3500

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

