

2011 Jeep® Wrangler Unlimited

TECHNICAL SPECIFICATIONS

Dimensions are in millimeters unless otherwise noted.

Note: Information shown is correct at time of publication, and is subject to change without notice. Specifications are valid for models sold in Europe and may vary in other international markets.

GENERAL INFORMATION	
Body Style	Four-door sport-utility vehicle
Assembly Plant	Toledo North Assembly Plant, Ohio
ENGINE: 3.8-LITER, EURO 5	
Availability	All models
Type and Description	Six-cylinder, 60° V-type, liquid-cooled
Displacement	3778 cm ³
Bore x Stroke	96 x 87
Valve System	OHV, 12 valves, roller followers, hydraulic lifters
Fuel Injection	Sequential, multi-port, electronic
Construction	Cast-iron block, aluminum alloy heads
Compression Ratio	9.6:1
Power	199 hp (146 kW) @ 5,000 rpm
Torque	315 N•m @ 4,000 rpm
Fuel Recommendation	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	5.7L plus filter
Coolant Capacity	12.5L
Emission Controls	Two mini-oxidation three-way catalytic converters, four heated oxygen sensors, electronic EGR and internal engine features
ENGINE: 2.8-LITER TURBO DIESEL, EURO 5	
Availability	All models
Type and Description	Four cylinders in-line, variable geometry turbocharger, high-pressure direct injection
Displacement	2776 cm ³
Bore x Stroke	94 x 100
Valve System	DOHC, four valves per cylinder, 16 Type 2 vertical valves
Fuel Injection	Bosch common-rail direct-injection fuel system, 1800-bar (27,000 psi) maximum fuel pressure, Piezoelectric injectors
Construction	Cast-iron block, aluminum cylinder head, composite-material intake manifold, SiMoiron exhaust manifold, forged-steel crankshaft
Compression Ratio	16.5:1
Power	200 hp (147 kW) @ 3,600 rpm

Torque	460 N•m @ 1,600-2,600 rpm – automatic transmission; 410 N•m @ 2,600 -3,200 rpm – manual transmission
Fuel Recommendation	Diesel, DIN ENS 590
Oil Capacity	6.6 L plus filter
Coolant Capacity	12.6L
Emission Controls	Oxy-catalyst, Diesel Particulate Filter (DPF) and cooled EGR, with stop-start technology coupled to manual transmission
TRANSMISSION: NSG 370—MANUAL, SIX-SPEED OVERDRIVE	
Availability	With 2.8-liter turbo diesel engine
Description	Synchronized in all forward gears and Reverse, multi-rail shift system with top-mounted shift lever
Clutch	Hydraulic actuation
Gear Ratios	
1 st	4.46
2 nd	2.61
3 rd	1.72
4 th	1.25
5 th	1
6 th	0.79
Reverse	4.06
Axle Ratio	3.21 standard, 3.73 on Rubicon (optional on Sport and Sahara)
TRANSMISSION: 42RLE—AUTOMATIC, FOUR-SPEED OVERDRIVE	
Availability	With 3.8-liter engine
Description	Electronic governor, electronically controlled converter clutch
Gear Ratios	
1 st	2.84
2 nd	1.57
3 rd	1
4 th	0.69
Reverse	2.21
Axle Ratio	3.73 standard, 4.10 on Rubicon
TRANSMISSION: W5A580—AUTOMATIC, FIVE-SPEED OVERDRIVE	
Availability	With 2.8-liter turbo diesel engine
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1 st	3.59
2 nd	2.19

3 rd	1.41
4 th	1
5 th	0.83
Reverse	3.16
Axle Ratio	3.21 standard, 3.73 on Rubicon (optional on Sport and Sahara)
TRANSFER CASE: COMMAND-TRAC®	
Availability	Standard on Wrangler Sahara
Type	NV241, two-speed Part-time, shift-on-the-fly
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low-range Ratio	2.72:1
TRANSFER CASE: ROCK-TRAC®	
Availability	Standard on Wrangler Rubicon
Type	NV241OR, two-speed Part-time, shift-on-the-fly
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low-range Ratio	4.0:1
DIMENSIONS AND CAPACITIES	
General Overall Length	4751
Overall Width (without Mirrors)	1877
Height	1800 – 1840 (hard top) / 1825 – 1865 (soft top)
Wheelbase	2947
Track, Front	1572
Track, Rear	1572
Overhang, Front	804
Overhang, Rear	1000
Cx	0,495
Fuel-tank Capacity	85L

CLEARANCES	17" (standard on Sahara and Rubicon – optional on Sport)	18" (optional on Sahara)	16" (standard on Sport)
Approach Angle, Degrees	37.8/38 on Rubicon	37.8	37.9
Breakover Angle, Degrees	20/21.2 on Rubicon	20	20.9
Departure Angle, Degrees	31.4	31.7	29.8
Front Axle to Ground	266.7	266.7	243.8
Rear Axle to Ground	256.5	259.1	236.2

WEIGHTS	
CURB WEIGHT	1994-2128 kg with 3.8-liter engine 2128-2238 kg with 2.8-liter CRD and manual transmission 2073-2253 kg with 2.8-liter CRD and automatic transmission
GROSS WEIGHT	2540 kg with 3.8-liter engine 2585 kg with 2.8-liter CRD
ACCOMMODATIONS	
Seating Capacity, F/R	2/3
Front	
Head Room	1074.5
Legroom	1039.2
Shoulder Room	1417
Hip Room	1350.8
Rear	
Head Room	1025.4
Legroom	920.8
Shoulder Room	1417
Hip Room	1374
Cargo Volume (liters)	
Rear Seat Installed	498
Rear Seat Folded	934
SUSPENSION	
Front	Dana 30 axle (Dana 44 on Rubicon), leading arms, Panhard bar, coil springs, stabilizer bar, gas-charged shock absorbers — Electronic Sway-Bar Disconnect System standard on Rubicon
Rear	Dana 44 axle, trailing arms, Panhard bar, coil springs, high-pressure gas-charged shock absorbers
FUEL CONSUMPTION AND EMISSIONS (EU Standard)	

3.8-liter	3.73 axle ratio	4.10 axle ratio
Urban Cycle	17.3 L/100 km	17.5 L/100 km
Extra-urban Cycle	9.3 L/100 km	9.4 L/100 km
Combined Cycle	12.3	12.4 L/100 km
Combined CO ₂	285	288 g/km
2.8-liter		
Urban Cycle	3.21 axle ratio: 8.6 L/100 km (manual); 10.0 L/100 km (auto) 3.73 axle ratio: 9.6 (manual); 10.3 (auto)	
Extra-urban Cycle	3.21 axle ratio: 6.7 L/100 km (manual); 7.3 L/100 km (auto) 3.73 axle ratio: 7.5 (manual); 7.9 (auto)	
Combined Cycle	3.21 axle ratio: 7.4 L/100 km (manual); 8.3 L/100 km (auto) 3.73 axle ratio: 8.3 (manual); 8.8 (auto)	
CO ₂ emissions	3.21 axle ratio: 194 g/km (manual); 217 g/km (auto) 3.73 axle ratio: 217 (manual); 230 (auto)	
PERFORMANCES		
3.8-liter		
Acceleration 0-100 km/h	11.9 sec (manual) 11.8 sec (automatic)	
Top Speed	176 km/h	
Towing	3,500 kg	
2.8-liter		
0-100 km/h	11.1 sec (manual) – 10.7 sec (automatic)	
Top Speed	172 km/h	
Towing	2,200 kg (manual)/1,000 kg (automatic) 2,500 kg (manual)/2,200 kg (automatic) on Rubicon	