

2011 Jeep® Wrangler

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	Two-door sport-utility vehicle
Assembly Plant	Toledo Supplier Park, Toledo, 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 (26,000 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
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		
TRANSFER CASE: COMMAND-TRAC®			
Availability	Standard on Wrangler Sport and Sahara models		
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			
Overall Length	4,223		
Overall Width (without Mirrors)	1,873		
Overall Height, Hardtop	1,800 – 1,840 with hard top/1,825-1,865 with soft top		
Wheelbase	2,424		
Track, Front	1,572		
Track, Rear	1,572		
Overhang, Front	804		
Overhang, Rear	1,000		
Cx	0.495		
Fuel-tank Capacity	66.6 L (2.8 CRD) 70.4 (3.8)		
CLEARANCES (tires)			
	16 " (standard on Sport)	17" (standard on Sahara and Rubicon, optional on Sport)	18" (optional on Sahara)
Approach Angle, Deg.	37.8	37.8/38.1 (Rubicon)	37.8
Breakover Angle, Deg.	25.5	25.5/25.9 (Rubicon)	25.5
Departure Angle, Deg.	29.7	31.3	31.6
Front Axle to Ground	243.8	266.7	269.2
Rear Axle to Ground	238.8	259.1	261.6
WEIGHTS			

CURB WEIGHT	1827-1999 kg with 3.8-liter engine 1975-2060 kg with 2.8-liter CRD and manual transmission 1.933-2.075 kg with 2.8-liter CRD and automatic transmission	
GROSS WEIGHT	2268 kg with 3.8-liter engine 2506 kg with 2.8-liter CRD	
ACCOMMODATIONS		
Seating Capacity, F/R	2/2	
Front		
Head Room	1046	
Legroom	1039	
Shoulder Room	1417	
Hip Room	1351	
Rear		
Head Room	1019	
Legroom	879.9	
Shoulder Room	1514	
Hip Room	1100	
Cargo Volume (liters)		
Rear Seat Installed	141.6	
Rear Seat Folded	425	
Rear Seat Removed	714	
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	16,9	17.4 L/100 km
Extra-urban Cycle	9,0	9.0 L/100 km
Combined Cycle	11,9	12.1 L/100 km
Combined CO ₂	276	280g/km
2.8-liter		
Urban Cycle	3.21 axle ratio - 8.3 L/100 km (manual); 9.7 L/100 km (auto) 3.73 axle ratio – 9.3 (manual); 10.2 (auto)	
Extra-urban Cycle	3.21 axle ratio - 6.5 L/100 km (manual); 7.1 L/100 km (auto) 3.73 axle ratio – 7.2 (manual); 7.7 (auto)	

Combined Cycle	3.21 axle ratio - 7.1L/100 km (manual); 8.1 L/100 km (auto) 3.73 axle ratio – 8.0 (manual); 8.6 (auto)
CO ₂ emissions	3.21 axle ratio - 187 g/km (manual); 213 g/km (auto) 3.73 axle ratio – 209 (manual); 227 (auto)
PERFORMANCES	
3.8-liter	
0-100 km/h	11.2 (manual) 11.1 sec (automatic)
Top Speed	176 km/h
Towing	2,000 kg
2.8-liter	
0-100 km/h	10.6 sec (manual) 10.6 sec (automatic)
Top Speed	172 km/h
Towing	1,000 kg (manual) - 1.000 kg (automatic)