

Note: Information shown is based on data available at time of publication (September 1, 2009). Specifications are valid for Europe and may vary in other international markets. Vehicle model availability may change per individual markets.

Jeep® Wrangler SPECIFICATIONS

All dimensions are in millimeters (inches) unless otherwise noted.

GENERAL INFORMATION

Body Style	Two-door sport-utility vehicle
Assembly Plant	Toledo, Ohio
Vehicle Segment	Multi-purpose vehicle

ENGINE: 3.8-LITER, OHV, 12-VALVE SMPI V-6

Availability	Standard
Type and Description	Six-cylinder, 60° V-type, liquid-cooled
Displacement	3778 cu. cm (230.5 cu. in.)
Bore x Stroke	96 x 87 (3.78 x 3.43)
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	151 kW (202 hp DIN) @ 5200 rpm
Torque	321 N•m (237 lb.-ft.) @ 4000 rpm
Fuel Recommendation	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	5.7 L (6.0 qt.) plus filter
Coolant Capacity	12.64 L (13.36 qt.) std.
Emission Controls	Two mini-oxidation three-way catalytic converters, four heated oxygen sensors, electronic Exhaust-gas Recirculation (EGR) and internal engine features.

Fuel Consumption

Urban Cycle	16.4 L/100 km
Ex-urban Cycle	8.8 L/100 km
Combined Cycle	11.6 L/100 km

ENGINE: 2.8-LITER TURBO DIESEL

Availability	Optional on Wrangler Sport, Sahara and Rubicon
Type and Description	Four cylinder, in-line, liquid-cooled, turbocharged
Displacement	2.8 liters (2777cc / 169 cu. in)
Bore x Stroke	94 x 100mm (3.7 x 3.94 in.)
Valve System	Belt driven, DOHC, 16 valves
Fuel Injection	Direct injection, common-rail 23,000 PSI (1600 bar)
Construction	Cast iron block, aluminum alloy heads
Compression Ratio	17.5:1

Max. Power	130 kW (177 hp DIN) @ 3800 rpm
Max. Torque	410 Nm (302 lb.-ft.) @ 2000-2600 rpm
Max. Engine Speed	4500 rpm, electronically limited
Fuel Recommendation	Diesel 15 ppm max. sulfur
Oil Capacity	6.0 L (6.3 qt.)
Coolant Capacity	13.4 L (14.2 qt.)
Emission Controls	Exhaust-gas Recirculation (EGR), catalytic converter with optional DPF
Fuel Consumption	
Urban Cycle	12.0 L/100 km
Ex-urban Cycle	7.8 L/100 km
Combined Cycle	9.3 L/100 km

ELECTRICAL SYSTEM

Alternator	140-amp
Battery	600 CCA, maintenance-free

TRANSMISSION: NSG 370—MANUAL, SIX-SPEED OVERDRIVE

Availability	Standard on all models
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	0.84
Reverse	4.06
Axle Ratio	3.21 standard, 4.10 optional (standard on Rubicon)
Overall Top-gear	2.69 standard, 3.44 optional (standard on Rubicon)

TRANSMISSION: 42RLE—AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability	Optional on all models with gas 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	4.1
Overall Top-gear	2.83

TRANSMISSION: 545RFE—AUTOMATIC, FIVE-SPEED

Availability	Optional with 2.8 L diesel engine
Description	Five-speed, overdrive, electronic governor, electronically controlled converter clutch
Gear Ratios	
1 st	3.0
2 nd	1.67—upshift 1.50—downshift
3 rd	1.0
4 th	.75
5 th	.67
Reverse	3.0
Axle Ratio	4.10
Overall Top-gear	2.75

TRANSFER CASE: NV241 COMMAND-TRAC®

Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low-range Ratio	2.72:1
Center Differential Type	None

TRANSFER CASE: NV241OR ROCK-TRAC®

Type	Part-time, heavy-duty
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low-range Ratio	4.0:1
Center Differential Type	None

DIMENSIONS AND CAPACITIES

Overall Length	3881.2 (152.8)
Overall Width (without Mirrors)	1872.9 (73.7)
Overall Height, Hard Top	1800.1 (70.9)
Wheelbase	2424.1 (95.4)
Track, Front	1572.3 (61.9)
Track, Rear	1572.3 (61.9)
Overhang, Front	679.2 (26.7)
Overhang, Rear	777.9 (30.6)
Maximum Payload (includes Occupants and Cargo)	454 kg (1,000 lbs.)
Fuel-tank Capacity	(18.6 gallons)

CLEARANCES

	P225/75R16	P245/75R16	P255/75R17	P255/70R18	LT255/75R17
Approach Angle, Deg.	40.8	42.0	43.8	44.6	44.3
Breakover Angle, Deg.	21.8	23.1	24.9	25.5	25.4
Departure Angle, Deg.	37.4	38.7	40.3	40.6	40.4
Front Axle to Ground (inches)	9.1	9.6	10.3	10.6	10.5
Rear Axle to Ground (inches)	8.8	9.4	10.1	10.3	10.2

ACCOMMODATIONS

Seating Capacity, F/R	2/2
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Front

Head Room	1048.4 (41.3)
Leg Room	1041.4 (41.0)
Shoulder Room	1416.7 (55.8)
Hip Room	1412.8 (55.6)
Seat Travel	Driver—239.5 (9.4) Passenger—239.5 (9.4)
Front-Volume Index, cu. m (cubic ft.)	1.55 (54.6)

Rear

Head Room	1024.6 (40.3)
Leg Room	904.2 (35.6)
Shoulder Room	1565.9 (61.6)
Hip Room	1135.6 (44.7)
Rear-Seat Volume Index, cubic ft. (cu. m)	1.367 (48.3)
Cargo Liftover Height	706.1 (27.8)
Maximum Cargo Width at Swing-Gate Opening	1491.0 (58.7)
Minimum Cargo Width at Swing-Gate Opening	1046.5 (41.2)
Maximum Cargo Height at Swing-Gate Opening	942.3 (37.1)
Minimum Cargo Height at Swing-Gate Opening	939.8 (37.0)
Distance Between Wheelhouses	1135.4 (44.7)

Cargo Volume cubic ft. (cu. m)

Rear Seat Installed	1.60 (56.5 cu. ft.)
Rear Seat Removed	1.73 (61.2 cu. ft.)
Behind Rear Seat	0.19 (17.15 cu. ft.)

BODY AND CHASSIS

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

SUSPENSION

Front	<p>Live axle, leading arms, track bar, coil springs, stabilizer bar, low-pressure (on 16-inch wheel packages) gas-charged shock absorbers—Standard Monotube high-pressure (on 17- and 18-inch wheel packages) gas-charged shock absorbers—Standard; Electronic Sway-Bar Disconnect System—Standard, Rubicon</p>
Rear	<p>Live axle, trailing arms, track bar, coil springs, stabilizer bar, low-pressure (on 16-inch wheel packages) gas-charged shock absorbers—Standard Monotube high-pressure (on 17- and 18-inch wheel packages) gas-charged shock absorbers—Standard</p>