

Jeep® Brand New Diesel Engines outside North America

Note: Information shown is correct at time of publication (September 20, 2010) and is subject to change without notice. Information and specifications included in this document are valid for models sold outside of North America.

ENGINE: NEW 2.2-LITER TURBO DIESEL

Optional on Jeep Compass and Jeep Patriot models

Assembly Plant	Kolleda, Germany
Type and Description	Four cylinders in-line, variable geometry turbocharger, high-pressure direct injection
Displacement	2143 cm ³ (131 in ³)
Bore x Stroke	83 mm x 99 mm (3.27 in x 3.90 in)
Valve System	Chain-driven, DOHC, 16 valves
Fuel Injection	Electronically controlled Delphi common-rail system with high-pressure direct injection solenoid injectors
Construction	Cast-iron closed-deck block with cast cooling between liners, aluminum cylinder head, composite-material intake manifold, cast-iron exhaust manifold, forged-steel crankshaft
Compression Ratio	16.2:1
Maximum Power	163 hp DIN (120 kW) @ 3600-4200 rpm
Maximum Torque	320 N•m (236 lb-ft) @ 1400-3600 rpm
Max. Engine Speed	5200 rpm (electronically limited)
Fuel Requirement	49 cetane diesel, DIN EN590
Emission Controls	Oxy-catalyst with downstream Diesel Particulate Filter (DPF) and cooled EGR
Emission Class	Euro V

Performance

0-100 km/h Time	9.7 seconds
Top Speed	201.6 km/h (125 mph)
Towing Capacity	2000 kg (4409 lb)

Fuel Consumption and Emissions (EU Standard)

Urban Cycle	7.9 L/100 km
Extra-urban Cycle	5.9 L/100 km
Combined Cycle	6.6 L/100 km
Combined CO ₂	172 g/km

ENGINE: NEW 2.8-LITER TURBO DIESEL

Optional on Jeep Cherokee models

Assembly Plant	Cento, Italy
Type and Description	Four cylinders in-line, variable geometry turbocharger, high-pressure direct injection
Displacement	2776 cm ³ (169 in ³)
Bore x Stroke	94 mm x 100 mm (3.70 in x 3.94 in)
Valve System	Belt-driven, DOHC, 16 valves
Fuel Injection	Bosch common-rail direct-injection fuel system, 1800-bar (26,000 psi) maximum fuel pressure, Piezo electric injectors
Construction	Cast-iron block, aluminum cylinder head, composite-material intake manifold, SiMo iron exhaust manifold, forged-steel crankshaft
Compression Ratio	16.5:1
Maximum Power	200 hp DIN (147 kW) @ 3600 rpm
Maximum Torque	460 N•m (339 lb-ft) @ 1600-2600 rpm – automatic transmission; 410 N•m (302 lb-ft) @ 2000-3200 rpm – manual transmission
Max. Engine Speed	4600 rpm (electronically limited)
Fuel Requirement	Diesel, DIN EN590
Emission Controls	Oxy-catalyst, Diesel Particulate Filter (DPF) and cooled EGR
Emission Class	Euro V

Performance

	Manual	Automatic
0-100 km/h Time	11.3 seconds	9.9 seconds
Top Speed	193 km/h (120 mph)	190 km/h (118 mph)
Towing Capacity (with 3.21:1 axle ratio)	2800 kg (6173 lb)	2800 kg (6173 lb)

Fuel Consumption and Emissions (EU Standard)

	Manual	Automatic
Urban Cycle	9.3 L/100 km	9.3 L/100 km – AWD; 9.0 L/100 km – RWD
Extra-urban Cycle	6.7 L/100 km	6.9 L/100 km – AWD; 6.7 L/100 km – RWD
Combined Cycle	7.7 L/100 km	7.8 L/100 km – AWD; 7.6 L/100 km – RWD
Combined CO ₂	202 g/km	205 g/km – AWD; 198 g/km – RWD

ENGINE: NEW 2.8-LITER TURBO DIESEL

Optional on Jeep Wrangler and Wrangler Unlimited models

Assembly Plant	Cento, Italy
Type and Description	Four cylinders in-line, variable geometry turbocharger, high-pressure direct injection
Displacement	2776 cm ³ (169 in ³)
Bore x Stroke	94 mm x 100 mm (3.70 in x 3.94 in)
Valve System	Belt-driven, DOHC, 16 valves
Fuel Injection	Bosch common-rail direct-injection fuel system, 1800-bar (26,000 psi) maximum fuel pressure, Piezo electric injectors
Construction	Cast-iron block, aluminum cylinder head, composite-material intake manifold, SiMo iron exhaust manifold, forged-steel crankshaft
Compression Ratio	16.5:1
Maximum Power	200 hp DIN (147 kW) @ 3600 rpm
Maximum Torque	460 N•m (339 lb-ft) @ 1600-2600 rpm – automatic transmission; 410 N•m (302 lb-ft) @ 2000-3200 rpm – manual transmission
Max. Engine Speed	4600 rpm (electronically limited)
Fuel Requirement	Diesel, DIN EN590
Emission Controls	Oxy-catalyst, Diesel Particulate Filter (DPF) and cooled EGR, with Stop/Start technology when equipped with manual transmission
Emission Class	Euro V

Performance

Wrangler	Manual	Automatic
0-100 km/h Time	10.6 seconds	10.6 seconds
Top Speed	172 km/h (107 mph)	173 km/h (108 mph)
Towing Capacity	1000 kg (2205 lb)	1000 kg (2205 lb)

Wrangler Unlimited	Manual	Automatic
0-100 km/h Time	11.1 seconds	10.7 seconds
Top Speed	172 km/h (107 mph)	173 km/h (108 mph)
Towing Capacity <i>(with 3.21:1 axle ratio)</i>	2200 kg (4850 lb)	1000 kg (2205 lb)

Fuel Consumption and Emissions (EU Standard)

Wrangler	Manual	Automatic
Urban Cycle	8.3 L/100 km	9.7 L/100 km
Extra-urban Cycle	6.5 L/100 km	7.1 L/100 km
Combined Cycle	7.1 L/100 km	8.1 L/100 km
Combined CO ₂	187 g/km	213 g/km

Wrangler Unlimited	Manual	Automatic
Urban Cycle	8.6 L/100 km	10.0 L/100 km
Extra-urban Cycle	6.7 L/100 km	7.3 L/100 km
Combined Cycle	7.4 L/100 km	8.3 L/100 km
Combined CO ₂	194 g/km	217 g/km