

## ALL-NEW FORD RANGER: PRELIMINARY TECHNICAL SPECIFICATIONS

### Features

Structure	Computer-optimized, high-efficiency, unitary-welded steel, body on frame
Safety elements - Body	<p>Optimized frame and body structure to achieve moderate deceleration levels whilst minimizing intrusions into the passenger compartment in offset and straight front impacts, side impacts and rear impacts.</p> <p>Front end optimized for pedestrian protection, with energy absorbing material in the front bumper and 'hexogeneous' under-bonnet structure</p>
Passive safety and restraint system elements	<p>Ford Intelligent Protection System (IPS) featuring:</p> <ul style="list-style-type: none"><li>• Full size driver and passenger airbags</li><li>• Driver knee airbag</li><li>• Standard inflatable side curtains for front and second row occupants</li><li>• Standard thorax-protecting side airbags for front occupants</li><li>• Three-point safety belts in all positions</li><li>• Safety belt reminders for driver &amp; front passenger</li><li>• Safety belt pretensioners and load limiters for driver &amp; front passenger</li><li>• Passenger airbag deactivation switch</li><li>• ISOFIX anchor points for the rear outer seats</li></ul>
Security system elements	<ul style="list-style-type: none"><li>• Thatcham Cat1 alarm with interior scanning capability, with Battery Back-up Sounder</li><li>• Advanced Ford PATS immobiliser</li><li>• Remote and manual key operated central locking</li></ul>
Corrosion protection	12 year anti-corrosion warranty.
Aerodynamics	Ranger Double Cab CD: 0.40 A: 2.86
Suspension	<p>Front – Double wishbone front suspension with coil-spring</p> <p>Rear – Berlin eye leafs springs</p>
Steering	<p>Type – Rack and pinion steering, power assisted</p> <p>Turning circle (m, Kerb-to-Kerb) – 11.8 (4x2); 12.4 (4x4)</p>

Turns lock-to-lock – 3.5

**Brakes**

Front – ventilated discs, 302 x 32mm

Rear – drums, 270 x 55mm (4x2); 295 x 55mm (4x4)

Modulation:  
Standard: Electronic Stability Program (ESP), Traction Control System (TCS), Electronic Brake Assist.

ESP system features: Hill Descent Control (HDC), Hill Launch Assist (HLA), Trailer Sway Mitigation (TSM), Load Adaptive Control (LAC), Emergency Brake Assist (EBA), Emergency Brake Light (EBL), Roll-Over Mitigation (ROM)

**Wheels & tyres**

Wheel type	Pressed Steel	Pressed Steel / Alloy	Alloy	Alloy
Wheel size	6.5 x 16"	7.0 x 16"	8.0 x 17"	8.0 x 18"
Tyre size	215/70 R 16	255/55 R 16	265/65 R 17	265/60 R 18

Spare wheel:  
 16" full-size steel spare

Engine Type	<b><u>2.2L Duratorq TDCi 125 PS/92 kW</u></b>	
Displacement (cc)	2198	
Bore (mm)	86.0	
Stroke (mm)	94.6	
Fuel type, grade	Diesel GOPS A10 B10 Gazole EN590 with 10% of FAME EN14214	
Max power (ISO kW/PS)	92/125	
At engine speed (rpm)	3700	
Max torque (ISO Nm)	320	
At engine speed (rpm)	1500-2500	
Compression ratio	15.7:1	
Cylinders	4 in line	
Turbocharger	Fixed Geometry Turbocharger	
Fuel injection	High-pressure common-rail with fuel pressure 1800bar	
Emission controls	Coated Diesel Particulate Filter (cDPF) Oxidation catalyst Water cooled EGR Euro Stage V	
Emission level		
<b><u>TRANSMISSION</u></b>		
Transmission type:	Ford MT82 manual 6-speed	
Gear ratios		
	6th	0.794
	5th	1.000
	4th	1.223
	3rd	1.721
	2nd	2.839
	1st	5.441
	Reverse	4.935
	Final Drive (4x2)	3.31
	Final Drive (4x4)	3.55
Clutch	Hydraulically operated self-adjust clutch with dual mass flywheel	
4x4 Transfer box	Two speed, right hand drop, single offset , aluminium shift-on-the-fly transfer box	
4x4 ratios	1:1 (High Range) 2.48:1 (Low Range)	
Max. speed when switching	120 km/h	

Engine Type	<b><u>2.2L Duratorq TDCi 150 PS/120 kW</u></b>	
Displacement (cc)	2198	
Bore (mm)	86.0	
Stroke (mm)	94.6	
Fuel type, grade	Diesel GOPS A10 B10 Gazole EN590 with 10% of FAME EN14214	
Max power (ISO kW/PS)	120/150	
At engine speed (rpm)	3700	
Max torque (ISO Nm)	375	
At engine speed (rpm)	1500-2500	
Compression ratio	15.7:1	
Cylinders	4 in line	
Turbocharger	Variable Geometry Turbocharger with position sensor	
Fuel injection	High-pressure common-rail with fuel pressure 1800bar	
Emission controls	Coated Diesel Particulate Filter (cDPF) Oxidation catalyst Water cooled EGR Euro Stage V	
Emission level		

#### **TRANSMISSION**

Transmission type:	Ford MT82 manual 6-speed	Ford 6R80 automatic 6-speed	
Gear ratios			
	6th	0.794	0.691
	5th	1.000	0.867
	4th	1.223	1.143
	3rd	1.721	1.521
	2nd	2.839	2.342
	1st	5.441	4.171
	Reverse	4.935	3.400
	Final Drive (4x2)	3.31	-
	Final Drive (4x4)	3.55	3.73

Clutch	Hydraulically operated self-adjust clutch with dual mass flywheel	6-speed automatic transmission with manual Sport Mode, Brake Shift Interlock, Grade Control Logic (Automatic modes), Emergency downshift (Manual mode)
4x4 Transfer box	Two speed, right hand drop, single offset , aluminium shift-on-the-fly transfer box	
4x4 ratios	1:1 (High Range) 2.48:1 (Low Range)	
Max. speed when switching	120 km/h	

Engine Type	<b><u>3.2L Duratorq TDCi 200 PS/147 kW</u></b>	
Displacement (cc)	<b>3198</b>	
Bore (mm)	89.9	
Stroke (mm)	100.76	
Fuel type, grade	Diesel GOPS A10 B10 Gazole EN590 with 10% of FAME EN14214	
Max power (ISO kW/PS)	147/200	
At engine speed (rpm)	3000	
Max torque (ISO Nm)	470	
At engine speed (rpm)	1500-2750	
Compression ratio	15.7:1	
Cylinders	5 in line	
Turbocharger	Variable Geometry Turbocharger with position sensor	
Fuel injection	High-pressure common-rail with fuel pressure 1800bar	
Emission controls	Coated Diesel Particulate Filter (cDPF) Oxidation catalyst Water cooled EGR Euro Stage V	
Emission level		

#### TRANSMISSION

Transmission type:	Ford MT82 manual 6-speed	Ford 6R80 automatic 6-speed	
Gear ratios			
	6th	0.794	0.691
	5th	1.000	0.867
	4th	1.223	1.143
	3rd	1.721	1.521
	2nd	2.839	2.342
	1st	5.441	4.171
	Reverse	4.935	3.400
	Final Drive (4x4)	3.55	3.73

Clutch	Hydraulically operated self-adjust clutch with dual mass flywheel	6-speed automatic transmission with manual Sport Mode, Brake Shift Interlock, Grade Control Logic (Automatic modes), Emergency downshift (Manual mode)
4x4 Transfer box	Two speed, right hand drop, single offset , aluminium shift-on-the-fly transfer box	
4x4 ratios	1:1 (High Range) 2.48:1 (Low Range)	
Max. speed for on-the-fly shifting	120 km/h	

## Dimensions and capacities

<b>Exterior (mm)</b>	Single Cab	Super Cab	Double Cab
Overall length	5274	5359	5359
Overall width	1850	1850	1850
Overall height max (empty vehicle)	1800 (1703)	1804	1815
Wheelbase	3220	3220	3220
Ground clearance	229	229	232
Wading depth (4x4)	800 (600)	800 (600)	800
Front tread (4x4)	1560 (1590)	1560	1560
Rear tread (4x4)	1560 (1590)	1560	1560
Front overhang	905	905	905
Rear overhang	1149	1226	1226
<b>Angles (deg.)</b>			
Approach angle	n.a.	n.a.	27.7°
Departure angle	n.a.	n.a.	25.9°
Ramp angle	n.a.	n.a.	24.4°
<b>Interior (mm)</b>			
<b>Front (mm)</b>			
Headroom	1024	1024	1022
Max. leg room	1058	1058	1058
Shoulder room	1437	1437	1440
<b>Rear (mm)</b>			
Headroom	-	938	975
Max. legroom	-	796	902
Shoulder room	-	1400	1430
<b>Cargo Bed (mm)</b>			
Width	1544	1544	1544
Width between arches	1139	1139	1139
Length	2317	1847	1560
Height	511	511	511
Loading height	835 (724)	835	835

Different figures for 4x2 versions in brackets.



## Weights

Versions	Minimum kerbweight (kg)	Gross Vehicle Mass (kg)	Gross Payload (kg)	Max. towable mass (kg)
<b>Single Cab</b>				
2.2L TDCi 150 PS 4x2	1791	2925	1134	2500 (750)
2.2L TDCi 150 PS 4x4	1891	3200	1309	3350 (750)
<b>Super Cab</b>				
2.2L TDCi 150 PS 4x2	1835	2925	1090	2500 (750)
2.2L TDCi 150 PS 4x4	1946	3200	1254	3350 (750)
<b>Double Cab</b>				
2.2L TDCi 150 PS 4x4	2048	3200	1152	3350 (750)
2.2L TDCi 150 PS 4x4 automatic	2063	3200	1137	3350 (750)
3.2L TDCi 200 PS 4x4	2073	3200	1127	3350 (750)
3.2L TDCi 200 PS 4x4 automatic	2083	3200	1117	3350 (750)

Minimum kerbweight represents the lightest kerbweight including full fluid levels and 90% fuel levels, subject to manufacturing tolerances and options, etc. fitted.XLT, Limited and Wildtrak models will have greater kerb masses and, therefore, lower payloads due to the increased amount of standard equipment

Towing limits quoted represent the maximum braked towing capacity of the vehicle on a 12 per cent gradient at sea level – unbraked towing capacities in brackets.

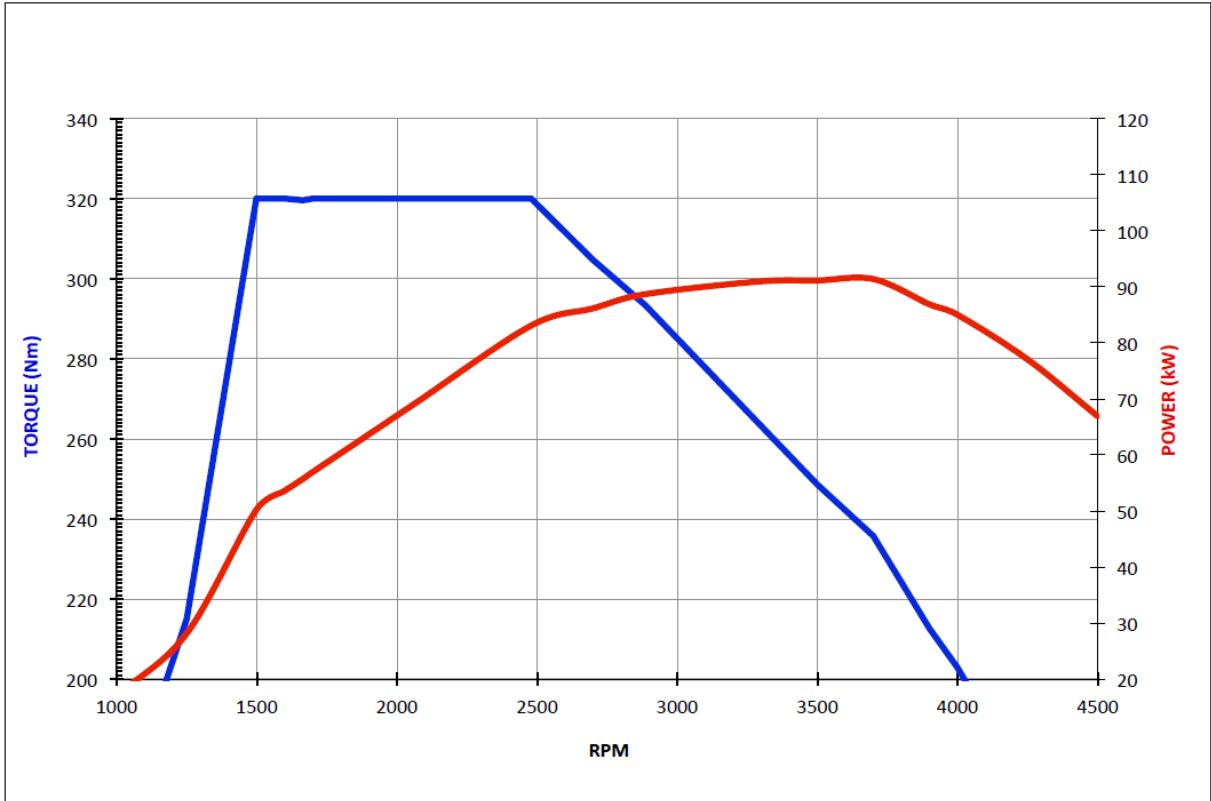
The performance and economy of all models will be reduced when used for towing.80 kg roof load for all versions. 220 kg nose weight limit for all versions.

## Economy, Performance and Emissions

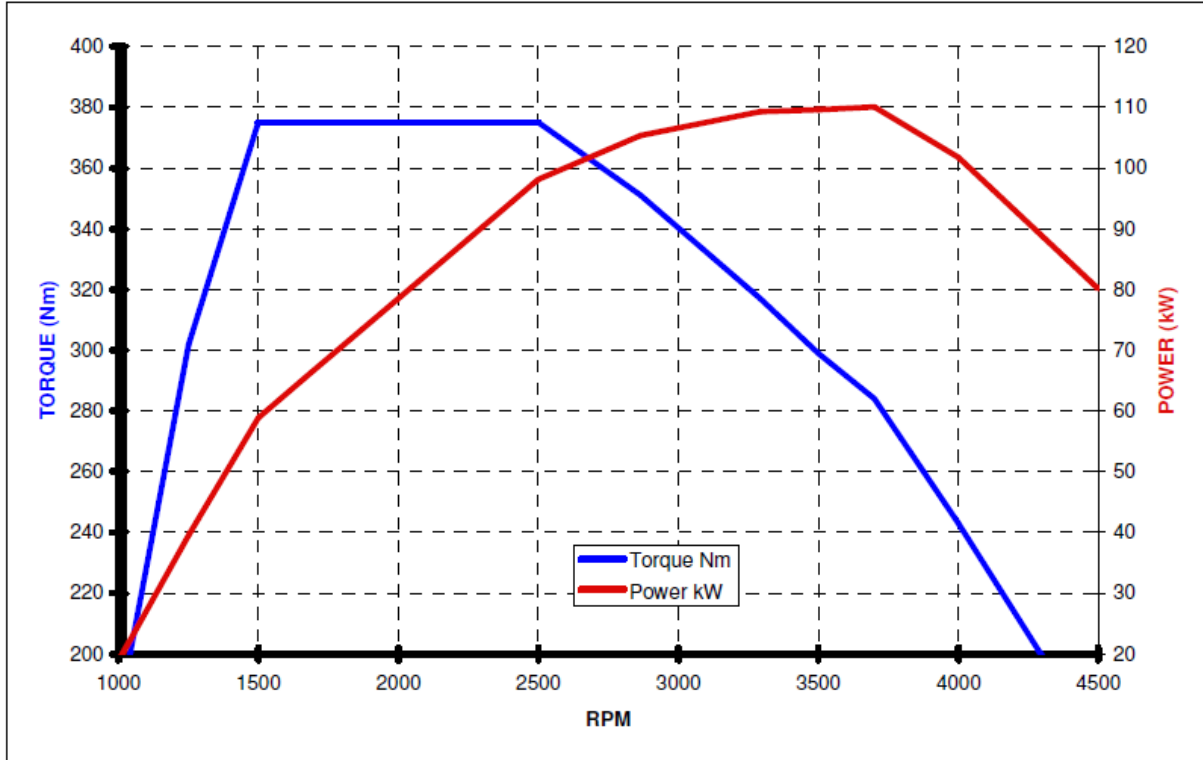
	CO <sub>2</sub> emissions (g/km) <sup>00</sup>	Fuel consumption (L/100 km)			Performance	
		Urban	Extra Urban	Combined	Max. speed (km/h)	0-100 km/h (secs)
<b>Single Cab</b>						
2.2 Duratorq TDCi (125 PS (92 kW)) 4x2	192	8.5	6.7	7.3	170	13.1
2.2 Duratorq TDCi (125 PS (92 kW)) 4x4	199	8.3	7.2	7.6	175	13.9
2.2 Duratorq TDCi (150 PS (110 kW)) 4x2	209	9.6	7.1	8.0	170	10.7
2.2 Duratorq TDCi (150 PS (110 kW)) 4x4	219	9.7	7.5	8.3	175	11.6
<b>Super Cab (inc. XLT and Limited)</b>						
2.2 Duratorq TDCi (125 PS (92 kW)) 4x4	199	8.3	7.2	7.6	175	14.4
2.2 Duratorq TDCi (150 PS (110 kW)) 4x2	209	9.6	7.1	8.0	170	11.2
2.2 Duratorq TDCi (150 PS (110 kW)) 4x4	219	9.7	7.5	8.3	175	11.8
2.2 Duratorq TDCi (150 PS (110 kW)) 4x4 automatic	248	11.9	8.0	9.4	175	12.4
<b>Double Cab (inc. XLT, Limited and Wildtrak)</b>						
2.2 Duratorq TDCi (125 PS (92 kW)) 4x4	199	8.3	7.2	7.6	175	14.9
2.2 Duratorq TDCi (150 PS (110 kW)) 4x4	224	10.1	7.7	8.5	175	12.3
2.2 Duratorq TDCi (150 PS (110 kW)) 4x4 automatic	248	11.9	8.0	9.4	175	12.6
3.2 Duratorq TDCi (200 PS (147 kW)) 4x4	249	12.0	8.1	9.5	175	10.3
3.2 Duratorq TDCi (200 PS (147 kW)) 4x4 automatic	274	13.1	8.9	10.4	175	10.4

<sup>00</sup>All CO<sub>2</sub> emissions figures in g/km and fuel consumption figures in L/100 km are from officially approved tests in accordance with EEC Directive 1999/100/EC. The CO<sub>2</sub> emissions and fuel consumption test figures shown in the chart do not express or imply any guarantee of the emissions or fuel consumption of a car of the class in question. All the figures are based on tests conducted on vehicles with standard wheels and tyres; optional or accessory wheels and tyres may have an effect on the emissions and fuel consumption of a vehicle. **Note:** All vehicles are 6-speed manual unless otherwise stated.

I4 2.2 MP Diesel - Stage 5  
92 kW/125 PS @ 3700 RPM  
320 Nm (1500 - 2500 RPM)



2.2 I4 Diesel - Stage V  
110 kW/150 PS @ 3700 RPM  
375 Nm (1500 - 2500 RPM)



3.2 l5 Diesel - Stage V  
147 kW/200 PS @ 3000 RPM  
475 Nm (1500 - 2750 RPM)

