



# TECHNICAL SPECIFICATIONS

## FORD S-MAX SPECIFICATIONS

### PERFORMANCE AND ECONOMY

Engine	Power (PS)	CO <sub>2</sub> (g/km)	Fuel consumption l/100 km (mpg) <sup>ØØ</sup>			Performance <sup>Ø</sup>		
			Urban	Extra Urban	Combined	Max speed km/h (mph)	0-100 km/h 0-62 mph (sec)	50-100 km/h 31-62 mph (sec)*
1.5L EcoBoost petrol 6-speed manual (with Auto-Start-Stop)	160	149	8.0 (35.3)	5.6 (50.4)	6.5 (43.4)	200 (124)	9.9	10.4
2.0L EcoBoost petrol 6-speed automatic (with Auto-Start-Stop)	240	180	10.3 (27.4)	6.5 (43.4)	7.9 (35.7)	226 (140)	8.4	N/A
2.0L EcoBoost petrol 6-speed automatic	240	204	12.5 (22.6)	6.9 (40.9)	8.9 (31.7)	226 (140)	8.4	N/A
2.0L TDCi diesel 6-speed manual (with Auto-Start-Stop)	120	129	5.6 (50.4)	4.6 (61.4)	5.0 (56.5)	183 (114)	13.4	12.7
2.0L TDCi diesel 6-speed manual (with Auto-Start-Stop)	150	129	5.6 (50.4)	4.6 (61.4)	5.0 (56.5)	198 (123)	10.8	10.8
2.0L TDCi diesel 6-speed manual Intelligent AWD (with Auto-Start-Stop)	150	129**	5.6 (46.3)	4.6 (57.6)	5.0 (52.3)	196 (122)	12.1	11.3
2.0L TDCi diesel 6-speed PowerShift** (with Auto-Start-Stop)	150	129	5.6 (50.4)	4.6 (61.4)	5.0 (56.5)	196 (122)	10.8	N/A
2.0L TDCi diesel 6-speed manual (with Auto-Start-Stop)	180	129	5.6 (50.4)	4.6 (61.4)	5.0 (56.5)	211 (131)	9.7	9.4
2.0L TDCi diesel 6-speed PowerShift** (with Auto-Start-Stop)	180	129	5.6 (50.4)	4.6 (61.4)	5.0 (56.5)	208 (129)	9.5	N/A
2.0L TDCi diesel 6-speed PowerShift Intelligent AWD (with Auto-Start-Stop)	180	149	6.4 (44.1)	5.4 (52.3)	5.8 (48.7)	206 (128)	10.5	N/A
2.0L TDCi diesel bi-turbo 6-speed PowerShift (with Auto-Start-Stop)	210	144	6.3 (44.8)	5.1 (55.4)	5.5 (51.4)	218 (135)	8.8	N/A

Measurements with 17-inch wheels. \*In 4th gear. \*\*With ultra-low rolling resistance tyres. øFord test figures. øøThe declared Fuel/Energy Consumptions, CO<sub>2</sub> emissions and electric range are measured according to the technical requirements and specifications of the European Regulations (EC) 715/2007 and (EC) 692/2008 as last amended. Fuel consumption and CO<sub>2</sub> emissions are specified for a vehicle variant and not for a single car. The applied standard test procedure enables comparison between different vehicle types and different manufacturers. In addition to the fuel efficiency of a car, driving behaviour as well as other non-technical factors play a role in determining a car's fuel/energy consumption, CO<sub>2</sub> emissions and electric range. CO<sub>2</sub> is the main greenhouse gas responsible for global warming.

## **WEIGHTS**

	<b>Kerb weight (kg)<sup>#</sup></b>	<b>Gross Vehicle Mass (kg)</b>	<b>Gross Train Mass (kg)</b>	<b>Max. Towable Mass (braked) (12%*) (kg)</b>	<b>Max. Towable Mass (braked) (8%*) (kg)</b>	<b>Max. Towable Mass (unbraked) [kg]</b>
1.5L EcoBoost petrol 6-speed manual (with Auto-Start-Stop) 160 PS	1645	2450	4050	1600	1800	750
2.0L EcoBoost petrol 6-speed automatic (with Auto-Start-Stop) 240 PS	1704	2510	4310	1800	1800	750
2.0L EcoBoost petrol 6-speed automatic 240 PS	1704	2510	4310	1800	1800	750
2.0L TDCi diesel 6-speed manual (with Auto-Start-Stop) 120 PS	1725	2505	4005	1500	2000	750
2.0L TDCi diesel 6-speed manual (with Auto-Start-Stop) 150 PS	1725	2530	4530	2000	2000	750
2.0L TDCi diesel 6-speed manual Intelligent AWD (with Auto-Start-Stop) 150 PS	1784	2590	4590	2000	2000	750
2.0L TDCi diesel 6-speed PowerShift (with Auto-Start-Stop) 150 PS	1733	2540	4540	2000	2000	750
2.0L TDCi diesel 6-speed manual (with Auto-Start-Stop) 180 PS	1726	2535	4535	2000	2000	750
2.0L TDCi diesel 6-speed PowerShift (with Auto-Start-Stop) 180 PS	1734	2540	4540	2000	2000	750
2.0L TDCi diesel 6-speed manual Intelligent AWD (with Auto-Start-Stop) 180 PS	1809	2615	4615	2000	2000	750
2.0L TDCi diesel 6-speed automatic (with Auto-Start-Stop) 210 PS	1766	2575	4575	2000	2000	750

# Represents the lightest kerbweight assuming driver at 75 kg, full fluid levels and 90% fuel levels, subject to manufacturing tolerances and options, etc., fitted. Towing limits quoted represent the maximum towing ability of the vehicle at its Gross Vehicle Mass to restart on a 12 per cent gradient at sea level. The performance and economy of all models will be reduced when used for towing. Nose weight limit is a maximum of 90 kg on all models. Gross Train Mass includes trailer weight. \*Gradient at sea level.

## **DIMENSIONS**

<b>Exterior (mm)</b>	
Overall length	4796
Overall width with/without mirrors	2137/1916
Overall width with folded back mirrors	1953
Overall max height (unladen) (5-Seats/7-Seats)	1658/1655
Wheelbase	2849
Track front	1606
Track rear	1606
Minimum ground clearance	128
<b>Interior First Row (mm)</b>	
Front headroom (without/with glass roof)	1022/996
Front max legroom (mid-height rearmost seating position)	1081
Front shoulder room	1531
Front hip room	1431
<b>Interior Second Row (mm)</b>	
Rear headroom (without/with glass roof)	971/952
Rear legroom	1046
Rear shoulder room	1535
Rear hip room	1470
<b>Interior Third Row (mm)</b>	
Third row headroom	943
Third row legroom	716
Third row shoulder room	1386
Third row hip room	1047
<b>Luggage capacity (litres)<sup>†</sup></b>	
7-seat mode (laden to roof)	285
5-seat mode (laden to package tray) with 5-Seats	700
5-seat mode (laden to roof) with 5-Seats/ with 7-Seats	1035/ 965
2-seat mode (laden to roof) with 5-Seats/ with 7-Seats	2200/ 2020
<b>Loading length</b>	
Loading length at floor to first row	1988
Loading length at floor to 2nd row	1187
Loading width between wheelhouses	1044
Load opening width (at floor)	1165
Load opening height (at vehicle centreline)	865
Cargo height (at rear wheel centreline)	999
Liftover height (kerb)	632
<b>Fuel tank capacity (litres)</b>	
Petrol	70
Diesel	70

‡ Measured in accordance with ISO 3832. Dimensions may vary dependent on the model and equipment fitted.

### **STEERING AND SUSPENSION**

System	Rack and Pinion Electric Power Assisted Steering (EPAS), optional Ford Adaptive Steering (not available at launch)
Turning circle wall-to-wall (m)	12.0
Turning circle kerb-to-kerb (m)	11.6

### **CHASSIS**

Independent MacPherson strut front suspension with stabiliser bar.  
Independent integral link with rear stabiliser bar – optional self-levelling.  
Optional Continuous Control Damping system

### **BRAKES**

	Front	Rear
Disc dimensions (mm)	316 x 32	316 x 11
Disc type	Cast iron vented	Cast iron solid
Calliper piston No. and dimensions (mm)	2 x 44	1 x 38
Calliper type	Floating cast iron	Floating cast iron
Parking brake type	Electric	

### **WHEELS & TYRES**

	Wheels	Tyres
Steel	7.5 J x 17	235/55 R17
Alloy	7.5 J x 17 (5x2-spoke)	235/55 R17
Alloy	7.5 J x 17 (20-spoke)	235/55 R17
Alloy	7.5 J x 17 (10-spoke)	235/55 R17
Alloy	7.5 J x 17 (5-spoke)	235/55 R17
Alloy	7.5 J x 18 (5x2-spoke)	235/50 R18
Alloy	7.5 J x 18 (5-spoke)	235/50 R18
Alloy	8 J x 19 (20-spoke)	245/45 R19

### **DRIVE OPTIONS**

Front wheel drive
All-wheel drive 'Intelligent AWD-System' with variable torque distribution, electronically controlled, available with 2.0-litre TDCi 150 PS and 180 PS only

## PETROL ENGINES

		<b>1.5-litre EcoBoost petrol (160 PS)</b>	<b>2.0-litre EcoBoost petrol (240 PS)</b>
Type		Inline four cylinder turbo petrol direct fuel injection and Ti-VCT, transverse	Inline four cylinder turbo petrol direct fuel injection and Ti-VCT, transverse
Displacement	cm <sup>3</sup>	1498	1999
Bore	mm	79.02	87.50
Stroke	mm	76.40	83.10
Compression ratio		10.0:1	10.0:1
Max power	PS (kW)	160 (117)	240 (177)
	at rpm	6000	5400
Max torque	Nm	240	345
	at rpm	1500-4500	2300-4900
Valve gear		DOHC with 4 valves per cylinder, twin independent variable cam timing	DOHC with 4 valves per cylinder, twin independent variable cam timing
Cylinders		4 in-line	4 in-line
Cylinder head		Cast aluminium	Cast aluminium
Cylinder block		Cast aluminium	Cast aluminium
Camshaft drive		Low friction Belt-in-Oil with dynamic tensioner	Single chain
Crankshaft		Cast iron, 4 counterweights, 5 main bearings	Cast iron, 8 counterweights, 5 main bearings
Engine management		Bosch MED17	Bosch MED17
Fuel injection		High pressure direct fuel injection with 6 hole injectors	High pressure petrol direct injection with 7-hole injectors
Emission level		Euro Stage 6	Euro Stage 6
Turbocharger		Borg Warner	Borg Warner
Lubrication system		Electronically controlled variable displacement oil pump	TBA
Cooling system		Double acting thermostat with clutched mechanical water pump	TBA
Transmission		6-speed (MMT6) manual	6-speed (6F35) auto
Gear ratios		1 - 3.817 2 - 2.149 3 - 1.422 4 - 1.028 5 - 0.821 6 - 0.685 Rev - 3.951 FD - 4.063	1 - 4.584 2 - 2.964 3 - 1.912 4 - 1.446 5 - 1.000 6 - 0.746 Rev - 2.943 FD - 3.208

## **DIESEL ENGINES**

		<b>2.0-litre TDCi diesel (120 PS)</b>	<b>2.0-litre TDCi diesel (150, 180 PS) Intelligent All-Wheel Drive</b>	
Type		Inline four cylinder turbo diesel, transverse	Inline four cylinder turbo diesel, transverse	
Displacement	cm <sup>3</sup>	1997	1997	
Bore	mm	85.0	85.0	
Stroke	mm	88.0	88.0	
Compression ratio		17.0:1	17.0:1	
Max power	PS (kW)	120 (88)	150 (110)	180 (132)
	at rpm	3500	3500	3500
Max torque	Nm	310	350	400
	at rpm	1750-2000	2000-2500	2000-2500
Valve gear		DOHC with 4 valves per cylinder	DOHC with 4 valves per cylinder	
Cylinders		4 in line	4 in-line	
Cylinder head		Cast aluminium	Cast aluminium	
Cylinder block		Cast iron	Cast iron	
Camshaft drive		Belt driven cams with primary drive tensioner	Belt driven cams with primary drive tensioner	
Crankshaft		Steel, 4 counterweights, 5 main bearings	Steel, 4 counterweights, 5 main bearings	
Engine management		Ford Common Rail Diesel Engine Management System	Ford Common Rail Diesel Engine Management System	
Fuel injection		Multipoint direct injection	Multipoint direct injection	
Emission level		Euro Stage 6	Euro Stage 6	
Turbocharger		Variable Nozzle, high mounted	Variable Nozzle, high mounted	
Cooling system		Ford Active Thermal Management System	Ford Active Thermal Management System	
Transmission		6-speed (MMT6) manual	6-speed (MMT6) manual 150 PS only	6-speed (MPS6) PowerShift automatic 180 PS only
Gear ratios		1 - 3.583	1 - 3.583	1 - 3.583
		2 - 1.864	2 - 1.864	2 - 1.952
		3 - 1.156	3 - 1.156	3 - 1.194
		4 - 0.816	4 - 0.816	4 - 0.829
		5 - 0.886	5 - 0.886	5 - 0.943
		6 - 0.737	6 - 0.737	6 - 0.756
		Reverse - 3.711 FD -4.063	Reverse - 3.711 FD -4.063	Reverse - 4.843 FD - 4.357

		<b>2.0-litre TDCi diesel (150, 180 PS)</b>		<b>2.0-litre TDCi diesel bi-turbo (210 PS)</b>
Type		Inline four cylinder turbo diesel, transverse		Inline four cylinder bi-turbo diesel, transverse
Displacement	cm <sup>3</sup>	1997		1997
Bore	mm	85.0		85.0
Stroke	mm	88.0		88.0
Compression ratio		17.0:1		16.0:1
Max power	PS (kW)	150 (110)	180 (132)	210 (154)
	at rpm	3500	3500	3750
Max torque	Nm	350	400	450
	at rpm	2000-2500	2000-2500	2000-2250
Valve gear		DOHC with 4 valves per cylinder		DOHC with 4 valves per cylinder
Cylinders		4 in-line		4 in-line
Cylinder head		Cast aluminium		Cast aluminium
Cylinder block		Cast iron		Cast iron
Camshaft drive		Belt driven cams with primary drive tensioner		Belt driven cams with primary drive tensioner
Crankshaft		Steel, 4 counterweights, 5 main bearings		Steel, 4 counterweights, 5 main bearings
Engine management		Ford Common Rail Diesel Engine Management System		Ford Common Rail Diesel Engine Management System
Fuel injection		Multipoint direct injection		Multipoint direct injection
Emission level		Euro Stage 6		Euro Stage 6
Turbocharger		Variable Nozzle, high mounted		Twin-sequential Borg Warner fixed- geometry
Cooling system		Ford Active Thermal Management System		Ford Active Thermal Management System
Transmission		6-speed (MMT6) manual	6-speed (MPS6) PowerShift automatic	6-speed (MPS6) PowerShift automatic
Gear ratios		1 - 3.583 2 - 1.864 3 - 1.156 4 - 0.816 5 - 0.886 6 - 0.737 Reverse - 3.711 FD - 4.063	1 - 3.583 2 - 1.952 3 - 1.194 4 - 0.829 5 - 0.943 6 - 0.756 Reverse - 4.843 FD - 4.357	1 - 3.583 2 - 1.952 3 - 1.194 4 - 0.829 5 - 0.943 6 - 0.756 Reverse - 4.843 FD - 4.357

*Note: The data information in this press release reflects preliminary specifications and was correct at the time of going to print. However, Ford policy is one of continuous product improvement. The right is reserved to change these details at any time.*

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