



TECHNICAL SPECIFICATIONS

FORD KUGA SPECIFICATIONS

FUEL CONSUMPTION AND ECONOMY

Petrol engines	Power PS	Wheel size inch	CO ₂ from (g/km NEDC)	Fuel consumption from (l/100 km NEDC)			Fuel consumption from (l/100 km WLTP)	CO ₂ from (g/km WLTP)
			Combined	Urban	Extra Urban	Combined	Overall	Overall
1.5-litre EcoBoost 6-speed manual	120	17	127	6.8	4.9	5.6	6.7	152
		18	130	6.9	5.1	5.8	6.8	156
		19	130	6.9	5.1	5.8	6.9	156
1.5-litre EcoBoost 6-speed manual	150	17	125	6.5	4.9	5.5	6.6	150
		18	129	6.7	5.1	5.7	6.8	154
		19	129	6.7	5.1	5.7	6.8	155
		20	129	6.7	5.1	5.7	6.8	155

Diesel engines	Power PS	Wheel size inch	CO ₂ from (g/km NEDC)	Fuel consumption from (l/100 km NEDC)			Fuel consumption from (l/100 km WLTP)	CO ₂ from (g/km WLTP)
			Combined	Urban	Extra Urban	Combined	Overall	Overall
1.5-litre EcoBlue 6-speed manual	120	17	109	4.7	3.8	4.2	5.1	133
		18	111	4.8	3.9	4.3	5.2	136
		19	111	4.8	3.9	4.3	5.2	136
		20	111	4.8	3.9	4.3	5.2	137
1.5-litre EcoBlue 8-speed auto	120	17	116	5.0	4.1	4.4	5.4	141
		18	119	5.1	4.2	4.5	5.5	145
		19	119	5.1	4.2	4.5	5.5	146
		20	119	5.1	4.2	4.5	5.6	146
2.0-litre EcoBlue 8-speed auto	190	17	127	5.6	4.3	4.8	5.9	155
		18	129	5.7	4.4	4.9	6.1	159
		19	129	5.7	4.4	4.9	6.1	159
		20	129	5.7	4.4	4.9	6.1	160

Hybrid engines	Power PS	Wheel size inch	CO ₂ from (g/km NEDC)	Fuel consumption from (l/100 km NEDC)			Fuel consumption from (l/100 km WLTP)	CO ₂ from (g/km WLTP)	
			Combined	Urban	Extra Urban	Combined	Overall	Overall	
2.0-litre EcoBlue Hybrid 6-speed manual	150	17	111	4.7	4.0	4.3	5.0	132	
		18	113	4.7	4.1	4.4	5.1	135	
		19	113	4.7	4.1	4.4	5.1	135	
		20	113	4.7	4.1	4.4	5.1	135	
2.5-litre Petrol Plug-In Hybrid	225	18	26	N/A	N/A	1.2	1.4	32	
		19	26	N/A	N/A	1.2	1.4	32	
		20	26	N/A	N/A	1.2	1.4	32	
		Electric range NEDC					72 km (44.7 miles)		
		Equivalent all-electric range overall WLTP					56 km (34.8 miles)		
		Equivalent all-electric range city WLTP					68 km (42.2 miles)		

PERFORMANCE

Petrol engines	Power PS	Max speed km/h (mph)	0-100 km/h sec	50-100 km/h sec ¹
1.5-litre EcoBoost 6-speed manual	120	184 (114)	11.6	9.5
1.5-litre EcoBoost 6-speed manual	150	195 (121)	9.7	9.5

Diesel engines	Power PS	Max speed km/h	0-100 km/h sec	50-100 km/h sec ¹
1.5-litre EcoBlue 6-speed manual	120	180 (112)	11.7	11.5
1.5-litre EcoBlue 8-speed auto	120	177 (110)	12	N/A
2.0-litre EcoBlue 8-speed auto	190	208 (129)	8.7	N/A

Hybrid engines	Power PS	Max speed km/h	0-100 km/h sec	50-100 km/h sec ¹
2.0-litre EcoBlue Hybrid 6-speed manual	150	194 (121)	9.6	7.8
2.5-litre Petrol Plug-In Hybrid	225	200 (124)	9.2	N/A

¹ In 4th gear

WEIGHTS

	Kerb weight (kg) ²	Gross Vehicle Mass (kg)	Gross Train Mass (kg)	Max. Towable Mass (braked) (kg)	Max. Towable Mass (unbraked) (kg)	Max. Roof Load (kg)
1.5-litre EcoBoost (120 PS) 6-speed manual FWD	1564	2075	3675	1600	750	75
1.5-litre EcoBoost (150 PS) 6-speed manual FWD	1564	2075	3875	1800	750	75
1.5-litre EcoBlue (120 PS) 6-speed manual FWD	1576	2085	3585	1500	750	75

1.5-litre EcoBlue (120 PS) 8-speed auto FWD	1599	2110	3610	1500	750	75
2.0-litre EcoBlue (190 PS) 8-speed auto AWD	1735	2245	4345	2100	750	75
2.0-litre EcoBlue Hybrid (150 PS) 6-speed manual FWD	1680	2155	4055	1900	750	75
2.5-litre Petrol Plug-In Hybrid (225 PS)	1844	2320	3520	1200	750	75

²Represents the lightest kerbw eight assuming driver at 75 kg, full fluid levels and 90 per cent fuel levels, subject to manufacturing tolerances and options, etc., fitted. Weights represent base model specification without panoramic glass roof.

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. Gross Train Mass includes trailer weight.

DIMENSIONS³

		Kuga Trend and Titanium	Kuga Vignale	Kuga ST- Line	Kuga Plug- In Hybrid (Trend and Titanium)
Overall length	mm	4614	4629	4626	4614
Overall width with mirrors	mm	2178	2178	2178	2178
Overall width without mirrors	mm	1883	1883	1883	1883
Overall width with mirrors folded	mm	2000	2000	2000	2000
Overall height with roof rails	mm	1678	1680	1666	1675
Wheelbase	mm	2710	2710	2710	2710
Track front	mm	1597	1597	1599	1597
Track rear	mm	1588	1588	1590	1588
Approach angle	deg	19.1	19.3	18.0	18.8
Departure angle	deg	23.6	23.5	22.6	24.4
Minimum running ground clearance - kerb	mm	191	190	178	160
Ground clearance at maximum load	mm	146	148	137	139
Interior First Row					
Headroom without sunroof	mm	1017	1017	1017	1017
Headroom with sunroof	mm	985	985	985	985
Legroom	mm	1077	1077	1077	1077
Shoulder room	mm	1464	1464	1464	1464
Hip room	mm	1410	1410	1410	1410
Interior Second Row					
Headroom without sunroof	mm	999	999	999	999

Headroom with sunroof	mm	981	981	981	981
Minimum leg room	mm	986	986	986	942
Maximum leg room	mm	1035	1035	1035	989
Shoulder room	mm	1423	1423	1423	1423
Hip room	mm	1355	1355	1355	1355
Cargo Compartment					
Lift in height	mm	715	713	702	712
Cargo height	mm	885	855	855	833
Rear opening height	mm	773	773	773	773
Loading length at floor to first row	mm	1739	1739	1739	1729
Load width between wheel arches	mm	1051	1051	1051	1051
Load opening width at floor	mm	1070	1070	1070	1070
Luggage capacity					
Cargo volume behind first row (2-seat mode; laden to roof) with tyre repair kit ⁴	litres	1534	1534	1534	1481
Cargo length at floor behind second row with tyre repair kit	mm	961	961	961	933
Closed cargo compartment second row (under cargo shade) with tyre repair kit (min-max depending on sliding second row position)	litres	475-645	475-645	475-645	411-581

³ Front-wheel drive with 17- to 19-inch wheels

⁴ V214-1. Dimensions may vary dependent on the model and equipment fitted.

DRIVER ASSISTANCE TECHNOLOGIES⁵

Active Park Assist 2
Adaptive Cruise Control with Stop & Go, Speed Sign Recognition and Lane Centring
Adaptive Front Lighting System (including predictive curve light and sign-based light)
Auto high beam
Auto lighting
Blind Spot Information System (BLIS)
Cross Traffic Alert
Distance Indication
Driver Alert
Emergency Brake Assist
Evasive Steering Assist
Forward Collision Warning with Brake Support
Front and rear parking sensors
Front wide-view camera
Glare-free high beam
Hill Start Assist
Intelligent Speed Limiter
Enhanced Lane-Keeping System with Road Edge Detection and BLIS Assist
Local Hazard Information
Post-Collision Braking
Pre-Collision Assist with Active Braking (including Intersection functionality)
Rain-sensing wipers
Rear wide-view camera

Selectable Drive Modes
Traffic Sign Recognition
Wrong Way Alert

COMFORT AND CONVENIENCE⁵

12.3-inch LCD instrument cluster
B&O Sound System
FordPass Connect on-board modem
Hands-free tailgate
Head-up display
Openable panoramic roof
Retractable tow bar
SYNC 3 with 8-inch touchscreen
Wireless charging pad

⁵Feature availability dependent on vehicle specification

STEERING

System	Column-mounted electric power-assisted steering, mechanical steering gear
Ratio	13.75:1
Turning circle (m) kerb-to-kerb	11.38

CHASSIS

Front suspension	Independent MacPherson struts, L-shaped lower control arm, steering gear and hollow stabilizer bar mounted on subframe
Rear suspension	Isolated subframe for the Short Long Arm (SLA) independent rear suspension, multi-compound bushes with different stiffness characteristics separating the subframe from the body structure, springs located below floor, hollow stabilizer.

BRAKES

	Front	Rear
Braking	Hydraulically operated dual-circuit system with diagonal distribution. Vented front discs. Solid rear discs with Electric Park Brake system (EPB). Electronic four-channel anti-lock braking system (ABS) with electronic brake-force distribution (EBD). Electronic brake booster on hybrid powertrains and for selected driver assistance technologies. Electronic stability control system (ESC), including roll stability control (RSC) and trailer sway control (TSC).	
Disc dimensions (mm)	Ø308 x 27 Ø330 x 27	Ø302 x 11
Piston dimensions (mm)	Ø57 2 x Ø44	Ø36 (iEPB)

WHEELS & TYRES

7 x 17-inch with 225/65 R17
7.5 x 18-inch with 225/60 R18
7.5 x 19-inch with 225/55 R19
7.5 x 20-inch with 245/45 R20
8.0 x 20-inch with 245/45 R20

PETROL ENGINES

		1.5-litre EcoBoost (120, 150 PS)	
Type		In-line three-cylinder turbo petrol, Ti-VCT, transverse	
Displacement	cm ³	1497	
Bore	Mm	84.0	
Stroke	Mm	90.00	
Compression ratio		11.0:1	
Max power	PS (kW)	120 (88)	150 (110)
	at rpm	5500	6000
Max torque steady state	Nm	240	240
	at rpm	1600-3000	1600-4000
Valve gear		DOHC with 4 valves per cylinder, twin independent variable cam timing	
Cylinders		3 in-line, cylinder deactivation technology on cylinder one	
Cylinder head		Cast aluminium with iron liners	
Cylinder block		Cast aluminium	
Camshaft drive		Chain driven with hydraulic tensioner	
Crankshaft bearings		Cast iron, 6 counterweights, 4 main bearings	
Engine management		Bosch MG1CS016 with CAN-Bus and individual cylinder knock control. FGEC software	
Fuel injection		3 high-pressure direct fuel injection, 6-hole injectors (DI) plus 3 low-pressure port injectors (PFI)	
Emission level		Euro 6d-TEMP	
Emission control		Rapid light-off catalyst, gasoline particulate filter	
Turbocharger		Continental radial-axial (RAAX) turbocharger	
Lubrication system		Two-stage variable displacement oil pump	
Cooling system		Single thermostat	
Transmission		6-speed manual	
Gear ratios		6th 0.578	
		5th 0.690	
		4th 0.868	
		3rd 1.194	
		2nd 1.952	
		1st 3.727	
		R 3.886 FDR 4.056	

DIESEL ENGINES

		1.5-litre EcoBlue (120 PS)	
Type		In-line four-cylinder turbo diesel, transverse	
Displacement	cm ³	1499	
Bore	Mm	75.0	
Stroke	Mm	84.8	
Compression ratio		16.4:1	

Max power	PS (kW)	120 (88)	
	at rpm	4000	
Max torque steady state	Nm	300	
	at rpm	1750-2250	
Valve gear		DOHC with 4 valves per cylinder	
Cylinders		4 in-line	
Cylinder head		Cast aluminium	
Cylinder block		Cast aluminium	
Camshaft drive		Low-friction, Kevlar-reinforced primary drive belt. Cam-to-cam chain	
Crankshaft		Steel forging, 4 counter-weights, 5 main bearings	
Engine management		Bosch FDEC	
Fuel injection		Common rail direct fuel injection; 2000 bar injection pressure; 8-hole injectors	
Emission level		Euro 6d-TEMP	
Emission control		High-pressure exhaust gas recirculation; water-air charge cooling	
Turbocharger		Low-inertia variable geometry turbocharger with electronic control	
Lubrication system		Pressure-fed lubrication system with full flow oil filter, variable displacement oil pump	
Cooling system		Water pump with electrically switchable thermostat	
Transmission		6-speed manual	8-speed automatic
Gear ratios			8th 0.62
			7th 0.75
		6th 0.578	6th 1.00
		5th 0.690	5th 1.45
		4th 0.868	4th 1.92
		3rd 1.194	3rd 3.01
		2nd 1.952	2nd 3.31
		1st 3.727	1st 4.69
		R 3.886	R 2.96
		FDR 4.056	FDR 3.47

		2.0-litre EcoBlue (190 PS)	
Type		In-line four-cylinder turbo diesel, transverse	
Displacement	cm ³	1995	
Bore	Mm	84.00	
Stroke	Mm	90.00	
Compression ratio		15.8:1	
Max power	PS (kW)	190 (140)	
	at rpm	3500	
Max torque steady state	Nm	400	
	at rpm	2000-3000	
Valve gear		DOHC with 4 valves per cylinder	
Cylinders		4 in-line	
Cylinder head		Cast aluminium	
Cylinder block		Cast iron	
Camshaft drive		Low-friction belt-in-oil with dynamic tensioner	
Crankshaft		Forged steel, 4 counter-weights, 5 main bearings	
Engine management		Ford Common Rail Diesel Engine Management System	
Fuel injection		Common rail direct fuel injection; 2200 bar injection pressure; 8-hole piezo-electric injectors	
Emission level		Euro 6d-TEMP	
Emission control		High- and low-pressure exhaust gas recirculation; water-air charge	

		cooling; selective catalytic reduction after treatment
Turbocharger		Low-inertia variable geometry turbocharger with electronic control
Lubrication system		Pressure-fed lubrication system with full flow oil filter, variable displacement oil pump
Cooling system		Engine driven water pump with thermostat control
Transmission		8-speed automatic
Gear ratios		8th 0.62 7th 0.75 6th 1.00 5th 1.45 4th 1.92 3rd 3.01 2nd 3.31 1st 4.69 R 2.96 FDR 3.17

HYBRID ENGINES

		2.0-litre EcoBlue Hybrid (150 PS)
Type		Inline four cylinder turbo diesel, transverse
Displacement	cm ³	1995
Bore	Mm	84.00
Stroke	Mm	90.00
Compression ratio		15.8:1
Max power	PS (kW)	150 (110)
	at rpm	3500
Max torque	Nm	370
	at rpm	2000-2500
Valve gear		DOHC with 4 valves per cylinder
Cylinders		4 inline
Cylinder head		Cast aluminium
Cylinder block		Cast iron
Camshaft drive		Low-friction belt-in-oil with dynamic tensioner
Crankshaft		Forged steel, 4 counter-weights, 5 main bearings
Engine management		Ford Common Rail Diesel Engine Management System
Fuel injection		Common rail direct fuel injection; 2200 bar injection pressure; 8-hole piezo-electric injectors
Emission level		Euro 6d-TEMP
Emission control		High- and low-pressure exhaust gas recirculation; water-air charge cooling; selective catalytic reduction after treatment
Turbocharger		Low-inertia variable geometry turbocharger with electronic control
Electric motor		11.5kW belt-driven integrated starter/generator
Battery		48V 10Ah lithium-ion air-cooled battery pack
Lubrication system		Pressure-fed lubrication system with full flow oil filter, variable displacement oil pump
Cooling system		Engine driven water pump with thermostat control
Transmission		6-speed manual
Gear ratios		6th 0.526 5th 0.633 4th 0.816 3rd 1.156

		2nd 1.864 1st 3.583 R 3.643 FDR 4.533
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2.5-litre Petrol Plug-In Hybrid (225 PS)		
Type		Atkinson Cycle port fuel injection engine
Motor		Permanent magnet 3-phase AC synchronous traction motor, liquid cooled
Max power	PS (kW)	225 (165)
	at rpm	N/A
Max torque	Nm	N/A
	at rpm	N/A
Battery		Lithium-ion
High-voltage cooling system		Liquid-cooled/heated
Battery capacity	kWh	14.4 kWh 48 Ah
Transmission		Ford-developed single-speed automatic
Gear ratio		2.91 FDR
Fuel tank	litres	42.7
Displacement	cm ³	2488
Bore	mm	89.0
Stroke	mm	100.0
Compression ratio		13.0:1.0
Valve gear		DOHC with 4 valves per cylinder, Twin independent variable cam timing (Ti-VCT)
Cylinders		4 inline
Cylinder head		Aluminium
Cylinder block		Aluminium
Camshaft drive		Low-friction belt-in-oil with dynamic tensioner
Crankshaft		Forged steel, 6 counter-weights, 4 main bearings
Engine management		Bosch MED17 with CAN-Bus and individual cylinder knock control. Bosch software
Fuel injection		High-pressure direct fuel injection with 6-hole injectors
Emission level		Euro 6d-TEMP
Lubrication system		Electronically controlled variable displacement oil pump
Engine cooling system		Liquid cooled, separate from high-voltage cooling/heating system

DRIVE LINE

Drive options:	AWD: Electronically controlled Ford Intelligent All Wheel Drive with variable torque distribution
	FWD: Front-wheel drive

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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.

The declared fuel/energy consumptions, CO₂-emissions and electric range are determined according to the technical requirements and specifications of the European Regulations (EC) 715/2007 and (EU)

2017/1151 as last amended. Light Duty Vehicle type-approved using the World Harmonised Light Vehicle Test Procedure (WLTP) will have fuel/energy consumption and CO₂-emission information for New European Drive Cycle (NEDC) and WLTP. WLTP will fully replace the NEDC latest by the end of the year 2020. The applied standard test procedures enable comparison between different vehicle types and different manufacturers. During NEDC phase-out, WLTP fuel consumption and CO₂ emissions are being correlated back to NEDC. There will be some variance to the previous fuel economy and emissions as some elements of the tests have altered, so the same car might have different fuel consumption and CO₂ emissions.

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